RAPPORT

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Austria

Testing a solid fuel fired hydronic heater model PE1 Pellet 35 (non CBI report)

(16 bilagor)

This test report is a revised version of the test report dated 2017-10-05, 2017-10-18, 2018-02-06, 2021-05-17 and 2023-01-19. This revision is an update of the test report to renew certification for the boiler PE1 pellet 35.

The revised parts in this test report have been written in italics.

The following tables and pages have been revised:

Appendix 10: Technicians notes with additional information about boiler settings.

Appendix 11: 50 hours conditioning of the boiler including information of the burn rate.

Appendix 14: Added appendix with filter weights including ambient filters.

The assignment

Testing the wood pellet hydronic heater model PE1 Pellet 35 in accordance with test method E2618-13 and ASTM 2515-11 for compliance with EPA 40 CFR Part 60, March 16, 2015.

Item for testing

Wood pellet hydronic heater – PE1 Pellet 35 (serial nr.: 200220478), manufactured by Fröling Heizkessel- und Behälterbau, Austria. The hydronic heater arrived at RISE on 05th September 2017. The hydronic heater was in used condition.

This test report relates only to the actual item tested.

The boiler was conditioned by the manufacturer the 27th July 2017 to the 25th August 2017 (see appendix 11).

The boiler was tested 13th September 2017 to 18st September 2017.

Technical description

The pellets fuel are transported from the pellet storage by a suction turbine via the suction hose into the hopper. The pellets are transported to the downpipe by the stoker screw and fall in a metered quantity onto the combustion grate of the sturdy steel combustion chamber. Hot air is added by the automatic ignition rod to ignite the pellets. The heat generated during combustion is used in the heat exchanger to heat the water. The flue gases produced during the combustion process are channelled outside through the chimney. The movement of the integrated spiral springs automatically cleans the heat exchanger. The ash from the steel combustion chamber

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falls through an automatic sliding grate into an ash chamber where it is transported via the ash screw into a large ash container. The boiler is equipped with a lambda sensor.

The hydronic heater PE1 Pellet 35 is intended for indoor installation.

Informative material supplied

Owner´s manual, Pellet boiler PE1 Pellet 15-35, B1570017_en-us

Drawings listed in table 1 were supplied by the manufacturer

Table 1. Drawings

Drawing number	**Date**
Z005059-IDW	15.02.2006
Z011565-IDW	13.01.2012
Z011576-IDW	13.01.2012
Z011581-IDW	13.01.2012
Z011596-IDW	13.01.2012
Z008155-IDW	22.03.2006
Z022603-IDW	18.06.2008
Z023662-IDW	14.11.2007
Z063542-IDW	15.02.2013
Z053043-IDW	26.02.2013
Z063623-IDW	06.02.2013
Z067112-IDW	03.10.2013
Z067239-IDW	09.10.2013
Z069583-IDW	03.02.2014
Z068481-IDW	27.11.2013
Z069605-IDW	04.02.2014
Z068487-IDW	27.11.2013
Z069135-IDW	17.02.2014
Z068498-IDW	28.11.2013
Z068488-IDW	27.11.2013
Z067630-IDW	17.02.2014
Z067117-IDW	27.01.2014
Z0068489-IDW	28.11.2013
Z0071552-IDW	15.04.2014
Z071797-IDW	24.04.2014
Z071872-IDW	15.05.2014

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Z071700-IDW	18.04.2014
Z072525-IDW	27.05.2014
Z073752-IDW	17.07.2014
Z078576-IDW	09.02.2015
Z078577-IDW	16.02.2015
Z083466-IDW	14.08.2015
Z083541-IDW	17.08.2015
Z083540-IDW	17.08.2015
Z083538-IDW	17.08.2015
Z083522-IDW	17.08.2015
Z083529-IDW	17.08.2015
Z083524-IDW	17.08.2015
Z083523-IDW	17.08.2015
Z083518-IDW	17.08.2015
Z083546-IDW	18.08.2015
Z083542-IDW	17.08.2015
Z083550-IDW	18.08.2015
Z088778-IDW	10.03.2016
Z100305-IDW	08.06.2017
Z100289-IDW	08.06.2017
Z100294-IDW	08.06.2017
Z100288-IDW	08.06.2017
Z100296-IDW	08.06.2017
Z100268-IDW	08.06.2017

Test arrangement

The hydronic heater was connected to a test rig according to method E 2618-13. The chimney was connected to a dilution tunnel (see appendix 7)**.**

The chimney diameter was 150 mm, with a height of about 5 m above the upper surface of the scale. The dilution tunnel diameter was 200 mm.

The manufacturer conducted a minimum of 50 hours of pre-test burning to condition the unit before testing. The wood pellet hydronic heater PE1 Pellet 35 is a non-catalytic appliance. The convection part in the heater was equipped with turbulators. The lambda sensor was set at 8 % O_2 during the tests.

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Test procedure

Testing was carried out at/by RISE Department for Energy and Circular Economy during September 2017 in accordance with the EPA regulations 40 CFR Part 60 subpart QQQQ and test methods ASTM E 2618-13 and ASTM 2515-11.

Calculation of the average overall thermal efficiency (η_{SLM}) was done in accordance with Canadian standard CSA B415.1-10, clause 13.7 except for 13.7.2 (e), (f), (g), and (h) where the following average fuel properties for oak was used: %C = 50.0, %H = 6.6, %O = 43.2, % Ash = 0.2.

The CO emissions were measured continuously during the test period in the chimney. Emissions of CO in g/min were calculated according to the Canadian standard CSA B415.1-10 clause 13.9 (using the spreadsheet in annex F).

The test fuel used was the Premium pellet manufactured by Sturmberger Pelletsproduktions GmbH and was classified as EN plus. The fuel was delivered in 15 kg plastic bags (see appendix 5 for fuel analysis).

The fuel analysis was performed by RISE, Department for Chemistry, Materials and Surfaces.

Particulate filters used are made of glass fiber with a diameter of 47 mm.

Leakage check of the particulate sampling trains was carried out before and after the tests.

Instead of the thermopile on the load side of the heat exchanger one pair of PT-100 sensors was used to measure the temperatures. This was communicated with EPA by email (17/05/2016) and was approved. The PT-100 sensor has a higher accuracy and higher sensitivity compared to the thermocouple.

The appliance was in operation at the specified draw rate one hour before the test started. The test period lasted 4 hours at each heat output rate category according to method E2618-13 clause 12.3.3.

The boiler settings were done according to the manufacturer instructions (see appendix 10 technician notes).

A representative from the company Fröling was present as an observer during the tests.

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Summary of test results (Hangtag information)

The table below shows a summary of the results and hangtag information. For complete results see appendix 2.

Table 2. Additional (Hangtag) information

MANUFACTURER:	**Fröling Heizkessel- und Behälterbau Ges.m.b.H. Industriestrasse 12 AT-4710 Grieskirchen Austria**		
MODEL NUMBER:	**PE1 Pellet 35 kW**		
8-HOUR OUTPUT RATING	$Q_{out-8hr}$	**N.A**	Btu/hr
8-HOUR AVERAGE EFFICINCY	$\eta_{avg-8hr}$	**N.A**	(Using higher heating value)
		N.A	(Using lower heating value)
MAXIMUM OUTPUT RATING	Q_{max}	**119,500**	BTU/HR
ANNUAL EFFICIENCY RATING:	η_{avg}	**80.1**	(Using higher heating value)
		86.2	(Using lower heating value)
PARTICLE EMISSIONS:	E_{avg}	**0.678**	Grams/hr (Average)
		0.053	Lbs/mmBtu/hr Output
CO EMISSIONS	CO_{avg}	**0.074**	Grams/minute

N.A = Not Applicable because the hydronic heater is an automatic pellet fuelled appliance.

Comments and observations

The hydronic heater PE1 Pellet 35 manufactured by Fröling Heizkessel- und Behälterbau, Austria, meets the step 2 requirement 2020 for PM emissions in EPA 40 CFR Part 60 of 0.10 lb/mmBtu heat output (average) and at each individual test rate.

The model PE1 Pellet 35 is safety tested by OMNI –Test Laboratories, Inc and listed to UL 2523-2013 and CAN/CSA B366.1-2011.

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Quality assurance

RISE Research Institute of Sweden AB is accredited according to ISO/IEC 17025 as well as accredited by EPA as a test lab to perform tests according to EPA 40 CFR Part 60 subpart QQQQ.

RISE Research Institutes of Sweden AB
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Appendix 1 Identification

Appendix 2 Results

Appendix 3 Dilution tunnel traverse run

Appendix 4 Sampling equipment leakage check

Appendix 5 Test fuel specification

Appendix 6 Instrumentation and uncertainty of measurement

Appendix 7 Test setup

Appendix 8 Calculations

Appendix 9 Proportional rate variation

Appendix 10 Technician notes

Appendix 11 50 hrs conditioning of the boiler

Appendix 12 CSA B415.1-10 results

Appendix 13 Calibrations

Appendix 14 Filter weights

Appendix 15 Raw data including pre-burn

Appendix 16 Manual (including warranty rights)

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Identification

Figure 1. PE1 Pellet 35 kW

Technical data

Table 3. Technical data

Nominal output, Btu/h (kW)	119.500 (35)
Weight empty, lbs (kg)	840 (380)
Water content, gal (l)	16 (60)
Dimensions, (height x depth x width), inch (mm)	58 x 33.5 x 29.5 (1470 x 850 x 750)
Pellet container capacity, gal (l)	20 (76)
Ash box capacity, gal (l)	7.4 (28)
Maximum boiler temperature setting °F (°C)	194 (90)
Airborne sound level, db(A)	< 70

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Results

Table 4 shows the test results for the pellet fired hydronic heater PE1 Pellet 35. Further test results are presented in table 5 to 9.

Table 4. Test results from Category I and IV

	Unit	Category I	Category II	Category III	Category IV
Test date		14/09/2017	15/09/2017	18/09/2017	13/09/2017
Atmospheric pressure	mm Hg (mbar)	727 (969)	734 (979)	(992)	(973)
Test duration	minute	240	240	240	240
Absolute average gas static pressure in dilution tunnel	mm Hg	728	736	746	731
Average tunnel velocity	m/s	4.2	4.2	4.7	5.0
Average gas tunnel temperature (at Pitot tube)	°F (°C)	73 (23)	68 (20)	73 (23)	73 (23)
Average temperature at PM filter, system 1	°F (°C)	70 (21)	70 (21)	70 (21)	70 (21)
Average temperature at PM filter, system 2	°F (°C)	70 (21)	70 (21)	72 (22)	70 (21)
Flue gas temp (chimney)	°F (°C)	142 (61)	162 (72)	198 (92)	286 (141)
Average temperature of the appliance and water at start of the test	°F (°C)	145 (63)	154 (68)	156 (69)	162 (72)
Average temperature of the appliance and water at the end of the test	°F (°C)	145 (63)	158 (70)	156 (69)	162 (72)
Average temperature of return water as it enters the appliance	°F (°C)	135 (57)	136 (58)	140 (60)	144 (62)
Average temperature of supply water as it leaves the appliance	°F (°C)	156 (69)	172 (78)	172 (78)	180 (82)
Average inlet temperature load side of the heat exchanger	°F (°C)	131 (55)	131 (55)	131 (55)	133 (56)
Average outlet temperature load side of the heat exchanger	°F (°C)	151 (66)	165 (74)	163 (73)	167 (75)
Test load as fired	lb (kg)	11.3 (5.1)	16.5 (7.5)	32.1 (14.6)	69.9 (31.7)
Fuel moisture content on fired basis	%	7.0	7.0	7.0	7.0
Diameter of pellet	mm	6	6	6	6
Water flow rate on the load side	gal/min (l/min)	1.73 (6.53)	1.57 (5.93)	3.48 (13.2)	7.06 (26.73)
Water flow rate on the supply side	gal/min (l/min)	1.69 (6.38)	1.59 (6.00)	3.42 (12.96)	7.09 (26.82)

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Heat input (LHV)	Btu	83,748	122,876	238,832	519,097
Heat output (supply side)	Btu/hr (kW)	18,426 (5.4)	27,638 (8.1)	56,300 (16.5)	121,131 (35,5)
Heat output (load side)	Btu/hr (kW)	17,255 (5.0)	26,194 (7.7)	54,796 (16.0)	121,300(35.6)
Efficiency delivered (HHV)	%	76.5	79.2	85.2	86.8
Efficiency delivered (LHV)	%	82.4	85.3	91.8	93.5
Stack loss efficiency (HHV)[1]	%	87.2	87.0	86.1	84.5[2]
CO (average, chimney)	ppm	133	75	57	178
CO (average, chimney)	%	0.013	0.008	0.006	0.018
CO2 (average, chimney)	%	7.1	8.0	9.5	12.7
CO, average[3]	g/min	0.054	0.018	0.111	0.298
Room air blank filter	mg	0	0	0	0.1
Total amount of particulate matter collected in dilution tunnel	mg	1.2	0.5	1.5	2.5
Average gas flow rate in dilution tunnel	dscm/min	7.34	7.52	8.47	8.70
Absolute average dry gas meter temperature	K	294	294	294	294
Volume of gas sample measured corrected to standard conditions	dscm	0.846	0.826	0.953	0.630
Volume of room air gas sample measured corrected to standard conditions	dscm	2.438	2.355	2.485	2.300
Difference of PM between the two sampling trains	g/kg_{dry}	0.31	0.02	0.04	0.05
Difference of total emissions between the two sampling trains in percent	*%*	*39.7*	*4.8*	*9.3*	*9.9*

[1] Stack loss efficiency calculated according to B415.1-10.

[2] The Stack loss efficiency is lower than the efficiency delivered and the reason for that can be that the jacket losses from the appliance is relatively lower at rated output than from the other part loads. Thus, this will lead to a higher delivered efficiency at rated output but the stack loss method do not take that into account. Further, the flue gas temperature is also much higher on the rated output than on the other part loads which will lead to higher stack losses and give lower stack loss efficiency.

It is also to be noted that the rated heat output at supply side is about 0.1 % lower than the load side which indicates that the relative losses in the test rig is lower on higher heat outputs, while the stack losses do not take that into account.

Efficiency calculation according to ASTM 2618-13 calculates the moisture content on a dry weight base while calculation according to CSA B415.1-10 calculate the moisture content on a wet weight base which also leads to a difference between the two methods.

[3] CO emission in g/min calculated according to B415.1-10.

[4] The difference in emission factors ($E_{g/kg}$) between the two sampling trains was less than 0.5 g/kg according to ASTM E2515-11 clause 11.7

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The tables 5 to 8 refers to the corresponding tables in ASTM E2618-13.

Table 5 Test condition summary

						Θ	W_{fuel}	MC_{ave}	Q_{in}	Q_{out}
Category	Run No	Load % Capacity	Target Load	Actual Load	Actual Load	Test Duration	Wood Weight as-fired	Wood Moisture	Heat Input	Heat Output
			Btu/hr	Btu/hr	% of max	hrs	lb	% DB	Btu	Btu
I	2	<15	<17,914	17,255	14	4	11.27	7.5	90,165	69,019
II	3	16 - 24	19,108 – 28,662	26,194	22	4	16.54	7.5	132,290	104,775
III	4	25 - 50	29,856 – 59,713	54,796	46	4	32.14	7.5	257,130	219,182
IV	1	100	119,425	121,300	102	4	69.86	7.5	558,868	485,200

Table 6. Test results summary

			T2 min	E_T	E	E	$E_{g/hr}$	$E_{g/kg}$	η_{del}	η_{SLM}
Category	Run No	Load % Capacity	Min return water temp	Total PM emissions	PM output based	PM output based	PM rate	PM factor	Delivered efficiency	Stack loss efficiency
			°F	g	lb/mmBtu out	g/MJ	g/hr	g/kg	%	%
I	2	<15	134	2.62	0.084	0.036	0.655	0.551	76.5	87.2
II	3	16 - 24	135	1.09	0.023	0.010	0.273	0.156	79.2	87.0
III	4	25 - 50	138	3.28	0.033	0.014	0.819	0.241	85.2	86.1
IV	1	100	144	8.20	0.037	0.016	2.049	0.278	86.8	84.5

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Table 7. Heating season weighting

Category	Weighting factor	$\eta_{del,i}$ x F_i	$E_{g/MJ,i}$ x F_i	$E_{g/kg,i}$ x F_i	$E_{lb/mmBtu\ Out,i}$ x F_i	$E_{g/hr,i}$ x F_i	$CO_{g/min}$ x F_i
I	0.175	13.39	0.006	0.096	0.015	0.115	0.009
II[1]	0.275	21.78	0.003	0.043	0.006	0.075	0.005
III[1]	0.450	38.34	0.006	0.108	0.015	0.368	0.050
IV	0.100	8.68	0.002	0.028	0.004	0.205	0.030
Totals	**1.000**	**82.2**	**0.017**	**0.275**	**0.040**	**0.763**	**0.094**

Table 8. Year-Round use weighting

Category	Weighting factor	$\eta_{del,i}$ x F_i	$E_{g/MJ,i}$ x F_i	$E_{g/kg,i}$ x F_i	$E_{lb/mmBtu\ Out,i}$ x F_i	$E_{g/hr,i}$ x F_i	$CO_{g/min}$ x F_i
I	0.437	33.43	0.016	0.241	0.037	0.286	0.024
II[1]	0.238	18.85	0.002	0.037	0.005	0.065	0.004
III[1]	0.275	23.43	0.004	0.066	0.009	0.225	0.031
IV	0.050	4.34	0.001	0.014	0.002	0.102	0.015
Totals	**1.000**	**80.1**	**0.023**	**0.358**	**0.053**	**0.678**	**0.074**

Table 9 shows the PM emissions from the first hour of measurement measured with one of the two sampling trains.

Table 9. 1st hour emissions

Category	1st hour emissions (g/hr)	*1st hour emissions (lb/mmBtu)*
I	0.47	*0.015*
II	0.32	*0.007*
III	0.64	*0.006*
IV	*1.26*	*0.006*

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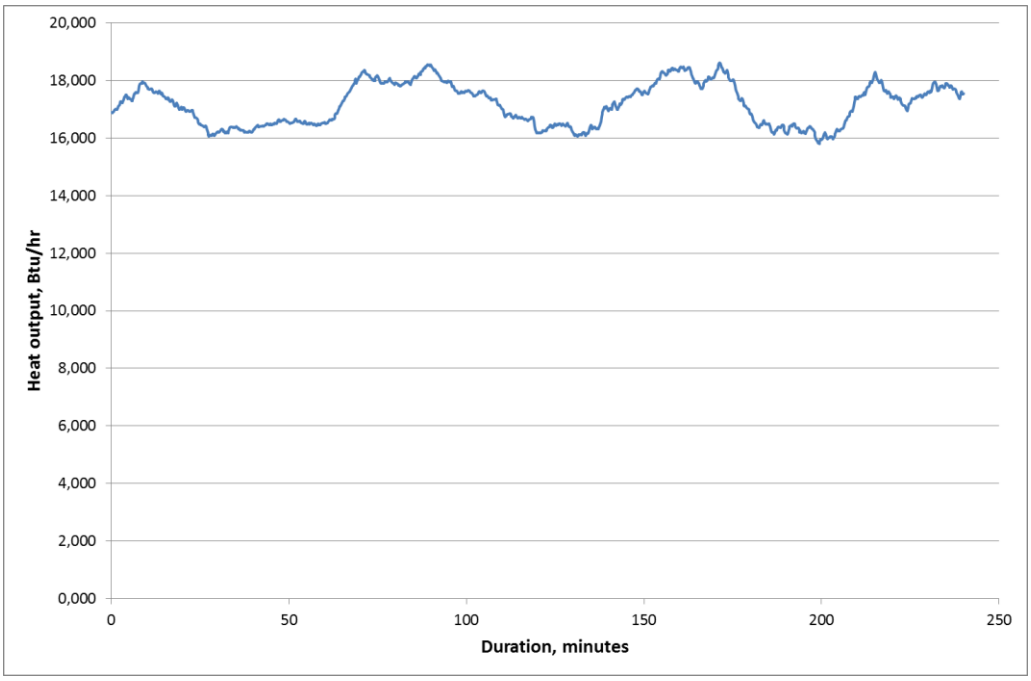

Figure 1. Heat output load Category I

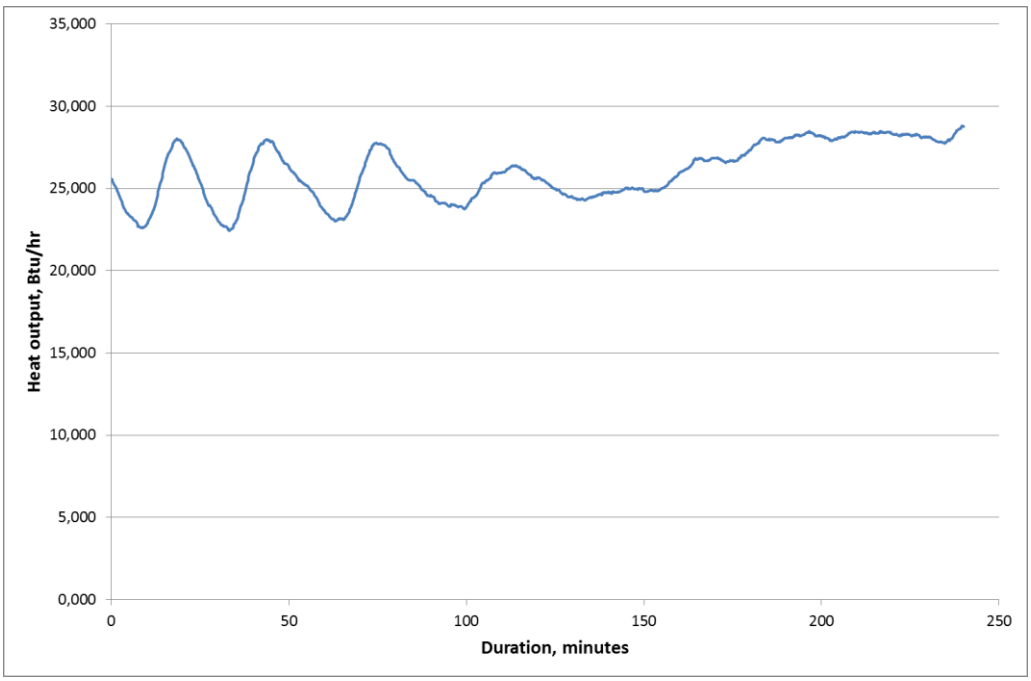

Figure 2. Heat output load Category II

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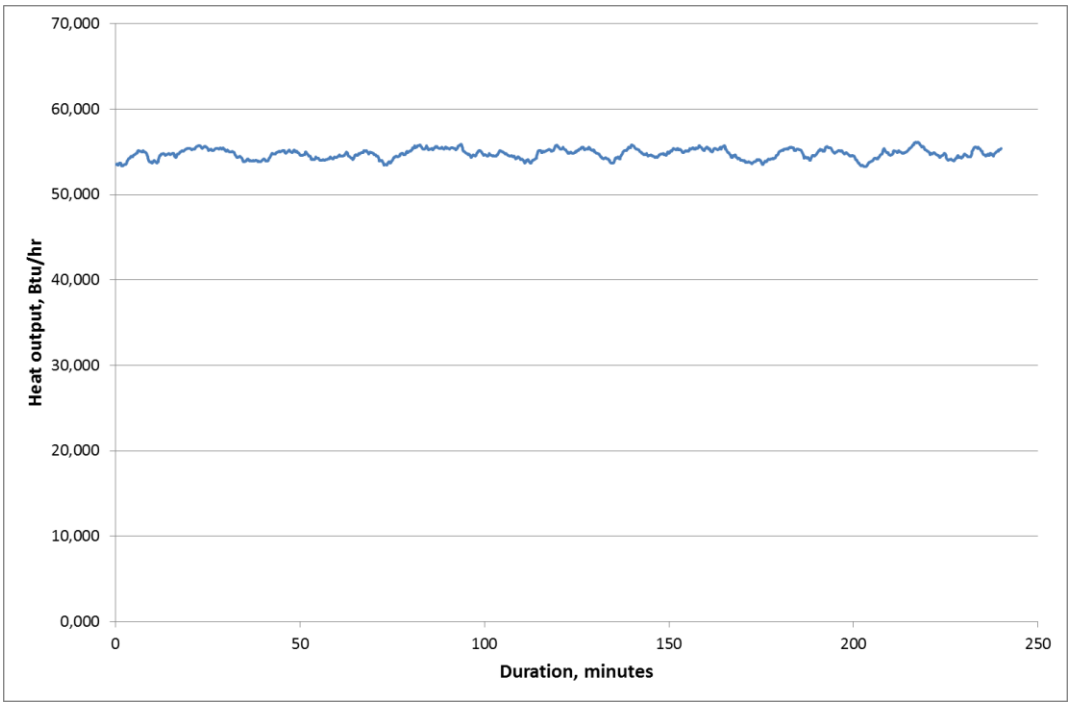

Figure 3. Heat output load Category III

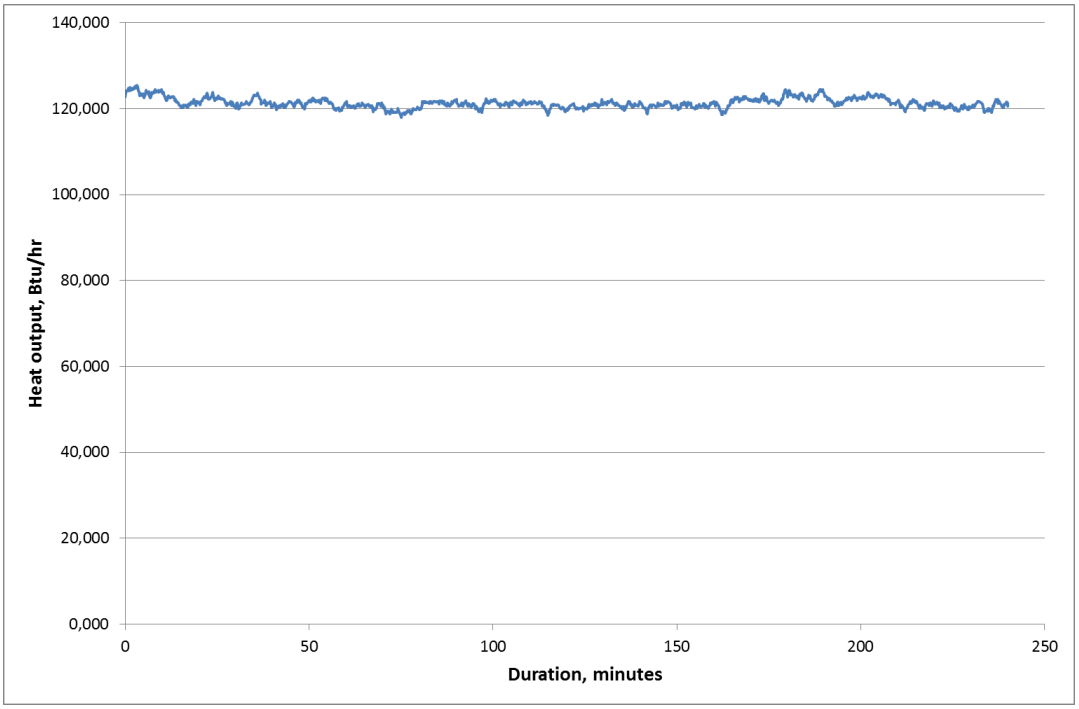

Figure 4. Heat output load Category IV

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Pretest dilution tunnel traverse run

The dilution tunnel inside diameter was 200 mm (7.87 inch) and cross sectional area was 0.03 m^2 (0.32 ft^2).

Table 10. Dilution tunnel traverse

Traverse point	Position, mm (inches)	Velocity, m/s
Y1	186.6	5.28
Y2	150.0	5.51
Center	100.0	5.55
Y3	50.0	5.54
Y4	13.4	5.35
X1	186.6	5.40
X2	150.0	5.53
Center	100.0	5.55
X3	50.0	5.51
X4	13.4	5.32
V_{strav}, average (Y + X)		5.43
V_{scent}, average (Center)		5.55

$$F_p = \frac{Vstrav}{Vscent} = \frac{5.43}{5.55} = 0.9786$$

The F_p factor has been included in the calculations of the particulate results.

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Sampling equipment leakage check

The leakage check of the sampling trains were performed at a vaccum of 150 mm Hg (5.9 in Hg). This vacuum was not exceeded during the tests.

Table 11a. sampling train leakage check IV

	Leakage rate m^3/min		**Check**
	Pre-test	Post-test	
Sample system 1	0.0002	0.0002	OK
Sample system 2	0.0002	0.0003	OK
Ambient system	0.0002	0.0002	OK

Table 11a. sampling train leakage check III

	Leakage rate m^3/min		**Check**
	Pre-test	Post-test	
Sample system 1	0.0001	0.0002	OK
Sample system 2	0.0002	0.0002	OK
Ambient system	0.0002	0.0001	OK

Table 11a. sampling train leakage check II

	Leakage rate m^3/min		**Check**
	Pre-test	Post-test	
Sample system 1	0.00025	0.0002	OK
Sample system 2	0.0002	0.00025	OK
Ambient system	0.0001	0.0001	OK

Table 11a. sampling train leakage check IV

	Leakage rate m^3/min		**Check**
	Pre-test	Post-test	
Sample system 1	0.0002	0.0001	OK
Sample system 2	0.0002	0.0002	OK
Ambient system	0.00025	0.00025	OK

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Test fuel specifications

Test methods

Water content:	SS-EN-ISO 18134-2
Ash content:	SS-EN-ISO 18122
Sulphur content:	SS EN-ISO 16994
Carbon, hydrogen and nitrogen content:	SS-EN-ISO 16948
Oxygen content:	Calculated as a difference
Calorific value:	SS-EN 14918

Results

Test fuel as fired basis

Water content, % of mass	7.0
Ash content, % of mass	0.3
Sulphur content, S, % of mass	<0.01
Carbon content, C, % of mass	46.8
Hydrogen content, H, % of mass	6.5
Nitrogen content, N, % of mass	0.05
Gross calorific (HHV) value at constant volume, MJ/kg	18.76
Net calorific (LHV) value at constant pressure, MJ/kg	17.35

Test fuel as dry basis

Ash content, % of mass	0.3
Sulphur, S, % of mass	<0.01
Carbon content, C, % of mass	50.4
Hydrogen content, H, % of mass	6.1
Nitrogen content, N, % of mass	0.06
Oxygen content, O, (diff) % of mass	43.0
Gross calorific (HHV) value at constant volume, MJ/kg	20.18
Net calorific (LHV) value at constant pressure, MJ/kg	18.84

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Instrumentation and uncertainty

The designations listed below refer to RISE quality system

Resistance thermometer, PT-100	ETf-QD Db 2
Thermocouple, type K	ETf-QD Db 3
Water flow meter Valmet 9V-MP150	Inv.nr. 201 414
Data logging system	Inv.nr. 201 673
Particulate sampling equipment (system 1)	Inv.nr. 901 070
Particulate sampling equipment (system 2)	Inv.nr. 202 743
Particulate sampling equipment (ambient)	Inv.nr. 200 399
Differential pressure gauge Furness FCO 14 (static pressure)	Inv.nr. 200 628
Differential pressure gauge Furness FCO 12 (Dynamic pressure tunnel)	Inv.nr. 202 747
CO/CO2- analyzer XStream (CO 0-5000 ppm)	Inv.nr. 901 077

Calibration gases

The calibration gases used to calibrate the gas analyser were accredited and delivered from AGA.

Table 12. Calibration gases

	Concentration	Uncertainty	Id. No.
CO	4040 ppm	1.0 % rel.	100408441
CO_2	16.0 %	1.0 % rel.	100408441

Uncertainty of measurement

Temperature difference, load side	±0.05 °C
Flue gas temperature	±3 °C
Ambient temperature	±1 °C
Static pressure in chimney	±10 %
Liquid flow, load side	±1 %
Fuel quantity	±0.01 kg
PM Filter weight	±0.1 mg
CO_2-concentration	±0.3 %-points
CO-concentration	±33 ppm
Boiler efficiency[1]	±2.0 %-points

[1] Do not include the losses in the test rig.

The uncertainty has been calculated according to EA-4/16 with coverage factor k=2

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Test setup

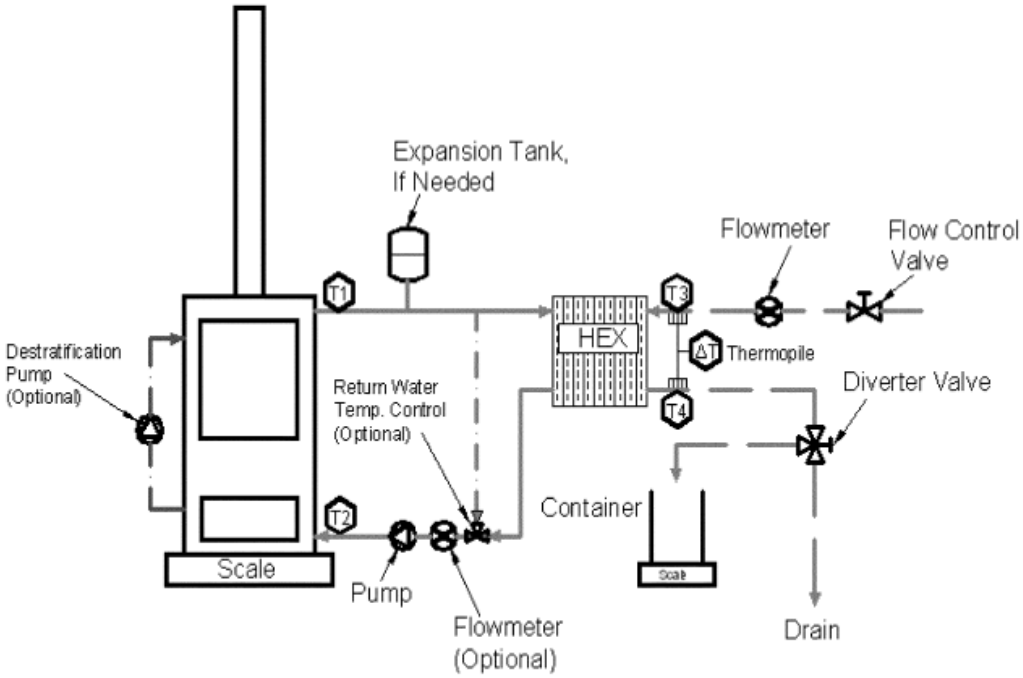

Figure 5. Test rig

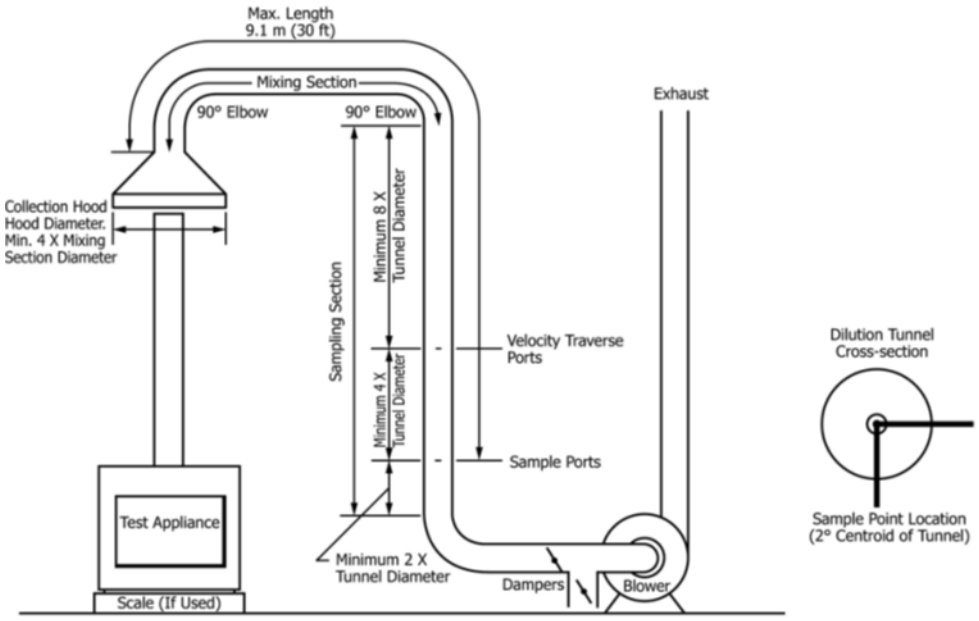

Figure 6. Dilution tunnel

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Calculations

The example calculations has been performed according to ASTM 2515-11 and ASTM 2618-13.

MC	*Moisture content (oven dry method according to ASTM D4442), %*
m_n	*Total particulate matter collected, mg*
$V_{m(std)}$	*Volume of gas sampled corrected to standard conditions, dscm*
V_s	*Average dilution tunnel gas velocity, m/sec*
C_s	*Particulate concentration, g/dscm*
Q_{std}	*Dilution tunnel gas flow rate, dscm/min*
E_T	*Total particulate emissions, grams*
PR	*Proportional rate variation, %*
Q_{in}	*Heat input, Btu*
Q_{out}	*Heat output, Btu*
	Heat output, Btu/hr
$E_{g/MJ}$	*Emission rate, g/MJ*
$E_{lb/MMBtu\ intput}$	*Emission rate, lb/MMBtu input*
$E_{lb/MMBtu\ output}$	*Emission rate, lb/MMBtu output*
$E_{g/kg}$	*Emission rate, g/kg*
$E_{g/hr}$	*Emission rate, g/hr*
η_{del}	*Delivered efficiency*

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Category IV

MC -Moisture content

ASTM 2618-13 (12.3.2) refers to ASTM D4442-16 method A or B for determining the moisture content of the wood pellet fuel.

Method A:

MC, % = [(A-B)/B] x 100

Where:

A = Original mass, g

B = Oven dry mass, g

Samples were taken from different pellet bags.

MC, % = (536.0 – 498.5)/536.0 x 100

MC, % = 7.5 % db (7.0 wb)

m_n – Total particulate matter collected

ASTM 2515-11 equation (12)

$m_n = m_p + m_f + m_g$

where:

m_n = *Total particulate matter collected, mg*

m_p = *mass of particulate from probe, mg*

m_f = *mass of particlute from filters, mg*

m_g = *mass of particulate from filter gaskets, mg*

Sample calculation train 1:

$m_n = 0 + 2.5 + 0$

m_n = *2.50 mg*

Sample calculation train 2+3:

$m_n = 0 + 2.90 + 0$

m_n = *2.90 mg*

$V_{m(std)}$ – Volume of gas sampled corrected to dry standard conditions, dscf

ASTM 2515-11 equation (6)

$$V_{m(std)} = V_m \times Y \times K_1 \times \frac{Pb + \frac{\Delta H}{13.6}}{Tm}$$

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Where:

K_1 *= 0.3855 K/mm Hg (for inch pound units17.64 °R/in.Hg)*

V_m *= Volume of gas sample measured at the dry gas meter, dcm*

Y = Dry gas meter calibration factor, dimensionless

P_b *= Barometric pressure at the testing site, in mm Hg*

ΔH *= Average pressure differential across the orifice meter, mm* H_2O

T_m *= Absolute average dry gas meter temperature, K*

Sample calculation train 1:

$$V_{m(std)} = 0.6581 \times 1 \times 0.3855 \times \frac{729.8 + \frac{0}{13.6}}{293.9}$$

$V_{m(std)} = 0.6300$ *dscm* (m^3)

Sample calculation train 2+3:

$$V_{m(std)} = 0.8978 \times 1 \times 0.3855 \times \frac{729.8 + \frac{0}{13.6}}{293.9}$$

$V_{m(std)} = 0.8594$ *dscm* (m^3)

Sample calculation train ambient:

$$V_{m(std)} = 2.4074 \times 1 \times 0.3855 \times \frac{729.8 + \frac{0}{13.6}}{294.5}$$

$V_{m(std)} = 2.2998$ *dscm* (m^3)

V_s – Dilution tunnel gas velocity, m/sec

ASTM 2515-11 equation (9)

$$V_s = F_p \times k_p \times C_p \times \sqrt{\Delta P}_{avg} \times \sqrt{\frac{Ts}{Ps \times Ms}}$$

Where:

V_s *= Average gas velocity in the dilution tunnel, m/sec*

F_p *= Adjustment factor for center of tunnel pitot tube placement* $F_p = V_{strav}/V_{scent}$

K_p *= pitot tube constant 34.97 m/sec ((g/gxmole)(mmHg)/(K)x(mmwater))*

C_p *= Standard pitot tube coefficient 0.99 according to ASTM 2515-11 nomenclature 11.2*

ΔP *= Velocity pressure in the dilution tunnel, mm water*

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T_s = Absolute average gas temperature in the dilution tunnel, K

P_s = Absolute average gas static pressure in dilution tunnel, mm Hg

M_s is assumed to be 29 g/g mole according to ASTM 2515-11 nomenclature 11.2

Sample calculation

$$V_s = 0.9786 \times 34.97 \times 0.99 \times \sqrt{1.529} \times \sqrt{\frac{296,4}{731.4x29}}$$

V_s = 4.9515 m/sec

C_s – Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm

ASTM 2515-11 equation (13)

$$C_s = K_2 \times \frac{mn}{Vm(std)}$$

Where:

C_s = *Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm*

K_2 = Constant 0.001 g/mg

m_n = Total amount of particulate matter collected, mg

$V_{m(std)}$ = Volume of gas sample measured by the dry gas meter corrected to standard condition, dscm

Sample calculation train 1:

$$C_s = 0.001x \frac{2.50}{0.6300}$$

C_s = 0.003968 g/dscm

Sample calculation train 2+3:

$$C_s = 0.001x \frac{2.90}{0.8594}$$

C_s = 0.003374 g/dscm

Sample calculation train ambient:

$$C_r = 0.001x \frac{0.0001}{2.2998}$$

C_r = 0.0000435 g/dscm

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Q_{std} - Average gas flow rate in dilution tunnel, dscm/min

ASTM 2515-11 equation (3)

$$Q_{std} = 60 \times (1-B_{ws}) \times V_s \times A \times \left[\frac{Tstd \times Ps}{Ts \times Pstd}\right]$$

Where:

Q_{std} = *Average gas flow rate in dilution tunnel, dscm/min*

B_{ws} = *Water vapor in the gas stream proportion by volume assumed to be 0.02 (2 %) according to ASTM 2515-11 nomenclature 11.2*

V_s = *Average gas velocity in the dilution tunnel, m/sec*

A = *Cross sectional area of tunnel, m^2*

T_{std} = *Standard absolute temperature, 293 K*

P_s = *Absolute average gas static pressure in dilution tunnel, mm Hg*

T_s = *Absolute average gas temperature in the dilution tunnel, K*

P_{std} = *Standard absolute pressure, 760 mm Hg*

Sample calculation:

$$Q_{std} = 60 \times (1-0.02) \times 4.9515 \times 0.0314 \times \left[\frac{293 \times 731.4}{296.4 \times 760}\right]$$

Q_{std} = *8.702 dscm/min*

E_T – Total particulate emissions, g

ASTM 2515-11 equation (15)

$$E_T = (C_s - C_r) \times Q_{std} \times \Theta$$

Where:

E_T = *Total particulate emission, g*

C_s = *Concentration of particulate matter in tunnel gas, dry basis, corrected to standard conditions, g/dscm*

C_r = *Concentration of particulate matter in room air, dry basis, corrected to standard conditions, g/dscm*

Q_{std} = *Average gas flow rate in dilution tunnel, dscm/min*

Θ = *Total sampling time*

Sample calculation:

Train 1:

E_T = *(0.003968 – 0.0000435) x 8.7016 x 240*

E_T = *8.1967 g*

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Train 2+3:

E_T *= (0.003374 – 0.0000435) x 8.7016 x 240*

E_T *= 6.7143 g*

Train difference:

Train difference = 0.2781 – 0.2267 = 0.0514 g/kg$_{dry}$

*Train precision = ((8.1967-((6.7143+8.1967)/2))/((6.7143+8.1967)/2))*100 = 9.9 %*

Q_{in} – Heat input, Btu

ASTM 2618-13 equation (4 and 5)

$Q_{in} = (W_{fuel}/1+(MC_{ave}/100)$ *x HHV*

$Q_{in,LHV} = (W_{fuel}/1+(MC_{ave}/100)$ *x LHV*

Where:

Q_{in} *= Total heat input in test fuel, Btu*

W_{fuel} *= Fuel charge weight in pounds*

MC_{ave} *= Fuel moisture content based on dry fuel weight*

HHV = Higher heating value, 8600 Btu(lb

LHV = Lower heating value, 7988 Btu/lb

Sample calculation:

HHV:

$Q_{in} = (69.8585/1+(7.5/100)))$ *x 8600*

Q_{in} *= 558,868 Btu*

LHV:

$Q_{in} = (69.8585/(1+(7.5/100)$ *) x 7988*

Q_{in} *= 519,097 Btu*

Q_{out} – Heat output, Btu

Test method ASTM 2618-13 equation (7)

$Q_{out} = [\Sigma(C_p \times \Delta T \times M \times t)] + (W_{app} \times C_{steel} + C_p \times W_{water}) \times (TF_{avg} - TI_{avg})$

$M = V_f \times \sigma$

$\sigma = (62.56 + (0.0003413 \times T_3) + (-0.00006225 \times T_3)) \times 0.1337$

$C_p = 1.0014 + (-0.00003485 \times T_3)$

Where:

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C_p = specific heat of water, Btu/lb °F

C_{steel} = Specific heat of steel, Btu/lb °F

ΔT = Temperature difference between water entering and exiting the heat exchanger, °F

M = Mass flow rate of water, lb/min

t = data sampling time , minutes

W_{app} =Weight of empty appliance , lbs

W_{water} = Weight of water in supply side of system, lbs

TF_{avg} = Average temperature of the appliance and water at the end of the test, °F

TI_{avg} = Average temperature of the appliance and water at the start of the test, °F

T_3 = Temperature of water at the inlet to the load side of the heat exchanger, °F

V_f = Volumetric flow rate of water in heat exchanger system, gal/min

σ = Density of water, lb/gal

Sample calculation:

$[\Sigma(C_p \times \Delta T \times M \times t)] = (1.001 \times 34.81 \times 58.011 \times 240)$

$[\Sigma(C_p \times \Delta T \times M \times t)] = 485{,}132$ Btu

$Q_{out} = 485{,}132 + (837{,}75 \times 0.1 + 1.001 \times 132.28) \times (161.8 - 161.5)$

$Q_{out} = 485{,}200$

Q_{out} – Heat output rate, Btu/hr

Test method ASTM 2618-13 equation (15)

Heat output rate = Q_{out} / test duration

Heat output rate = 485,200 / (240/60)

Heat output rate = 121,300

η_{del} = Delivered efficiency , %

Test method ASTM 2618-13 equation (20)

$\eta_{del} = (Q_{out}/Q_{in}) \times 100$

$\eta_{delLHV} = (Q_{out}/Q_{inLHV}) \times 100$

Where:

η_{del} = Delivered heating efficiency, %

η_{delLHV} = Delivered heating efficiency with lower heating value, %

Sample calculation:

$\eta_{del} = (485{,}200/558{,}868) \times 100$

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η_{del} = 86.8 %

η_{delLHV} = (485,200/519,097) x 100

η_{delLHV} = 93.5 %

Emission rates, g/MJ, g/kg, lb/MMBtu output, g/hr

ASTM 2618-13 equations (16 to 19)

$E_{g/MJ} = E_T /(Q_{out} \times 0.001055)$

$E_{g/kg} = E_T/(W_{fuel}/(1+MC/100))$

$E_{lb/MMBtu\ output} = (E_T/453.59)/(Q_{outputx} \times 10^{-6})$

$E_{g/hr} = E_T/\Theta$

Sample calculation train 1:

$E_{g/MJ}$ = 8.197/(485,200 x 0.001055)

$E_{g/MJ}$ = 0.016 g/MJ

$E_{g/kg}$ = 8.197/(31.69/(1+7.5/100)

$E_{g/kg}$= 0.278 g/kg

$E_{lb/MMBtu\ output}$= (8.197/453.59)/(485,200 x 10^{-6})

$E_{lb/MMBtu\ output}$= 0.037 lb/$MMBtu_{output}$

$E_{g/hr}$= 8.197/(240/60)

$E_{g/hr}$= 2.049 g/hr

Sample calculation train 2:

$E_{g/MJ}$ = 6.714/(485,200 x 0.001055)

$E_{g/MJ}$ = 0.013 g/MJ

$E_{g/kg}$ = 6.714/(31.6876/(1+7.5/100)

$E_{g/kg}$= 0.228 g/kg

$E_{lb/MMBtu\ output}$= (6.714/453.59)/(485,200 x 10^{-6})

$E_{lb/MMBtu\ output}$= 0.031 lb/$MMBtu_{output}$

$E_{g/hr}$= 6.714/(240/60)

$E_{g/hr}$= 1.258 g/hr

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Category III

m_n – Total particulate matter collected

ASTM 2515-11 equation (12)

$m_n = m_p + m_f + m_g$

where:

m_n = *Total particulate matter collected, mg*

m_p = *mass of particulate from probe, mg*

m_f = *mass of particlute from filters, mg*

m_g = *mass of particulate from filter gaskets, mg*

Sample calculation train 1:

$m_n = 0 + 1.5 + 0$

m_n = *1.50 mg*

Sample calculation train 2+3:

$m_n = 0.40 + 1.50 + 0$

m_n = *1.90 mg*

$V_{m(std)}$ – Volume of gas sampled corrected to dry standard conditions, dscf

ASTM 2515-11 equation (6)

$$V_{m(std)} = V_m \times Y \times K_1 \times \frac{Pb + \frac{\Delta H}{13.6}}{Tm}$$

Where:

K_1 = *0.3855 K/mm Hg (for inch pound units17.64 °R/in.Hg)*

V_m = *Volume of gas sample measured at the dry gas meter, dcm*

Y = *Dry gas meter calibration factor, dimensionless*

P_b = *Barometric pressure at the testing site, in mm Hg*

ΔH = *Average pressure differential across the orifice meter, mm* H_2O

T_m = *Absolute average dry gas meter temperature, K*

Sample calculation train 1:

$$V_{m(std)} = 0.9526 \times 1 \times 0.3855 \times \frac{744.06 + \frac{0}{13.6}}{293.6}$$

$V_{m(std)}$ = *0.9307 dscm* (m^3)

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Sample calculation train 2+3:

$$V_{m(std)} = 1.1506 \times 1 \times 0.3855 \times \frac{744.06 + \frac{0}{13.6}}{293.6}$$

$V_{m(std)} = 1.1241$ *dscm* (m^3)

Sample calculation train ambient:

$$V_{m(std)} = 2.4854 \times 1 \times 0.3855 \times \frac{744.06 + \frac{0}{13.6}}{294.1}$$

$V_{m(std)} = 2.4240$ *dscm* (m^3)

V_s – Dilution tunnel gas velocity, m/sec

ASTM 2515-11 equation (9)

$$V_s = F_p \times k_p \times C_p \times \sqrt{\Delta P}_{avg} \times \sqrt{\frac{Ts}{Ps \times Ms}}$$

Where:

V_s = *Average gas velocity in the dilution tunnel, m/sec*

F_p = *Adjustment factor for center of tunnel pitot tube placement* $F_p = V_{strav}/V_{scent}$

K_p = *pitot tube constant 34.97 m/sec ((g/gxmole)(mmHg)/(K)x(mmwater))*

C_p = *Standard pitot tube coefficient 0.99 according to ASTM 2515-11 nomenclature 11.2*

ΔP = *Velocity pressure in the dilution tunnel, mm water*

T_s = *Absolute average gas temperature in the dilution tunnel, K*

P_s = *Absolute average gas static pressure in dilution tunnel, mm Hg*

M_s *is assumed to be 29 g/g mole according to ASTM 2515-11 nomenclature 11.2*

Sample calculation

$$V_s = 0.9786 \times 34.97 \times 0.99 \times \sqrt{1.4194} \times \sqrt{\frac{296{,}3}{745.5x29}}$$

$V_s = 4.7253$ *m/sec*

C_s – Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm

ASTM 2515-11 equation (13)

$$C_s = K_2 \times \frac{mn}{Vm(std)}$$

Where:

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C_s = *Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm*

K_2 = *Constant 0.001 g/mg*

m_n = *Total amount of particulate matter collected, mg*

$V_{m(std)}$ = *Volume of gas sample measured by the dry gas meter corrected to standard condition, dscm*

Sample calculation train 1:

$$C_s = 0.001x \frac{1.50}{0.9307}$$

C_s = *0.001612 g/dscm*

Sample calculation train 2+3:

$$C_s = 0.001x \frac{1.90}{1.1324}$$

C_s = *0.001334 g/dscm*

Sample calculation train ambient:

$$C_r = 0.001x \frac{0}{2.4240}$$

C_r = *0 g/dscm*

Q_{std} - Average gas flow rate in dilution tunnel, dscm/min

ASTM 2515-11 equation (3)

$$Q_{std} = 60 \times (1-B_{ws}) \times V_s \times A \times \left[\frac{Tstd \times Ps}{Ts \times Pstd}\right]$$

Where:

Q_{std} = *Average gas flow rate in dilution tunnel, dscm/min*

B_{ws} = *Water vapor in the gas stream proportion by volume assumed to be 0.02 (2 %) according to ASTM 2515-11 nomenclature 11.2*

V_s = *Average gas velocity in the dilution tunnel, m/sec*

A = *Cross sectional area of tunnel, m^2*

T_{std} = *Standard absolute temperature, 293 K*

P_s = *Absolute average gas static pressure in dilution tunnel, mm Hg*

T_s = *Absolute average gas temperature in the dilution tunnel, K*

P_{std} = *Standard absolute pressure, 760 mm Hg*

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Sample calculation:

$Q_{std} = 60 \times (1-0.02) \times 4.7253 \times 0.0314 \times \left[\frac{293 \times 745.5}{296.3 \times 760}\right]$

$Q_{std} = 8.4673$ *dscm/min*

E_T – Total particulate emissions, g

ASTM 2515-11 equation (15)

$E_T = (C_s - C_r) \times Q_{std} \times \Theta$

Where:

E_T *= Total particulate emission, g*

C_s *= Concentration of particulate matter in tunnel gas, dry basis, corrected to standard conditions, g/dscm*

C_r *= Concentration of particulate matter in room air, dry basis, corrected to standard conditions, g/dscm*

Q_{std} *= Average gas flow rate in dilution tunnel, dscm/min*

Θ *= Total sampling time*

Sample calculation:

Train 1:

$E_T = (0.001612 - 0) \times 8.4673 \times 240$

$E_T = 3.2752$ *g*

Train 2+3:

$E_T = (0.001334 - 0) \times 8.4673 \times 240$

$E_T = 2.7186$ *g*

Train difference:

Train difference = 0.2415 – 0.1995 = 0.042 g/kg$_{dry}$

*Train precision = ((3.2752-((3.2752+2.7186)/2))/((3.2752+2.7186)/2))*100 = 9.3 %*

Q_{in} – Heat input, Btu

ASTM 2618-13 equation (4 and 5)

$Q_{in} = (W_{fuel}/1+(MC_{ave}/100) \times HHV$

$Q_{in,LHV} = (W_{fuel}/1+(MC_{ave}/100) \times LHV$

Where:

Q_{in} *= Total heat input in test fuel, Btu*

W_{fuel} *= Fuel charge weight in pounds*

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MC_{ave} = Fuel moisture content based on dry fuel weight

HHV = Higher heating value, 8600 Btu(lb

LHV = Lower heating value, 7988 Btu/lb

Sample calculation:

HHV:

Q_{in} = (32.1413/(1+(7.5/100))) x 8600

Q_{in} = 257,130 Btu

LHV:

Q_{in} = (32.1413/(1+(7.5/100)) x 7988

Q_{in} = 238,832 Btu

Q_{out} – Heat output, Btu

Test method ASTM 2618-13 equation (7)

$$Q_{out} = [\Sigma(C_p \times \Delta T \times M \times t)] + (W_{app} \times C_{steel} + C_p \times W_{water}) \times (TF_{avg} - TI_{avg})$$

$$M = V_f \times \sigma$$

$$\sigma = (62.56 + (0.0003413 \times T_3) + (-0.00006225 \times T_3)) \times 0.1337$$

$$C_p = 1.0014 + (-0.00003485 \times T_3)$$

Where:

C_p = specific heat of water, Btu/lb °F

C_{steel} = Specific heat of steel, Btu/lb °F

ΔT = Temperature difference between water entering and exiting the heat exchanger, °F

M = Mass flow rate of water, lb/min

t = data sampling time , minutes

W_{app} =Weight of empty appliance , lbs

W_{water} = Weight of water in supply side of system, lbs

TF_{avg} = Average temperature of the appliance and water at the end of the test, °F

TI_{avg} = Average temperature of the appliance and water at the start of the test, °F

T_3 = Temperature of water at the inlet to the load side of the heat exchanger, °F

V_f = Volumetric flow rate of water in heat exchanger system, gal/min

σ = Density of water, lb/gal

Sample calculation:

$[\Sigma(C_p \times \Delta T \times M \times t)] = (1.001 \times 31.91 \times 28.560 \times 240)$

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$[\Sigma(C_p \times \Delta T \times M \times t)] = 218{,}943$ Btu

$Q_{out} = 218{,}943 + (837.75 \times 0.1 + 1.001 \times 132.28) \times (156.9 - 155.8)$

$Q_{out} = 219{,}182$

Q_{out} – Heat output rate, Btu/hr

Test method ASTM 2618-13 equation (15)

Heat output rate = Q_{out} / test duration

Heat output rate = 219,182 / (240/60)

Heat output rate = 54,796

η_{del} = Delivered efficiency , %

Test method ASTM 2618-13 equation (20)

$\eta_{del} = (Q_{out}/Q_{in}) \times 100$

$\eta_{delLHV} = (Q_{out}/Q_{inLHV}) \times 100$

Where:

η_{del} = Delivered heating efficiency, %

η_{delLHV} = Delivered heating efficiency with lower heating value, %

Sample calculation:

$\eta_{del} = (219{,}182/257{,}130) \times 100$

$\eta_{del} = 85.2$ %

$\eta_{delLHV} = (219{,}182/238{,}832) \times 100$

$\eta_{delLHV} = 91.8$ %

Emission rates, g/MJ, g/kg, lb/MMBtu output, g/hr

ASTM 2618-13 equations (16 to 19)

$E_{g/MJ} = E_T / (Q_{out} \times 0.001055)$

$E_{g/kg} = E_T / (W_{fuel} / (1+MC/100))$

$E_{lb/MMBtu\ output} = (E_T/453.59) / (Q_{outputx} \times 10^{-6})$

$E_{g/hr} = E_T / \Theta$

Sample calculation train 1:

$E_{g/MJ} = 3.275 / (219{,}182 \times 0.001055)$

$E_{g/MJ} = 0.014$ g/MJ

$E_{g/kg} = 3.275 / (14.6 / (1+7.5/100)$

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$E_{g/kg}$= 0.241 g/kg

$E_{lb/MMBtu\ output}$= (3.275/453.59)/(219,182 x 10^{-6})

$E_{lb/MMBtu\ output}$= 0.033 lb/$MMBtu_{output}$

$E_{g/hr}$= 3.275/(240/60)

$E_{g/hr}$= 0.819 g/hr

Sample calculation train 2:

$E_{g/MJ}$ = 2.719/(219,182 x 0.001055)

$E_{g/MJ}$ = 0.012 g/MJ

$E_{g/kg}$ = 2.719/(14.58/(1+7.5/100)

$E_{g/kg}$= 0.200 g/kg

$E_{lb/MMBtu\ output}$= (2.719/453.59)/(219,182 x 10^{-6})

$E_{lb/MMBtu\ output}$= 0.027 lb/$MMBtu_{output}$

$E_{g/hr}$= 2.719/(240/60)

$E_{g/hr}$= 0.680 g/hr

Category II

m_n – Total particulate matter collected

ASTM 2515-11 equation (12)

$m_n = m_p + m_f + m_g$

where:

m_n = Total particulate matter collected, mg

m_p = mass of particulate from probe, mg

m_f = mass of particlute from filters, mg

m_g = mass of particulate from filter gaskets, mg

Sample calculation train 1:

$m_n = 0 + 0.5 + 0$

m_n = 0.50 mg

Sample calculation train 2+3:

$m_n = 0 + 0.60 + 0$

m_n = 0.60 mg

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$V_{m(std)}$ – Volume of gas sampled corrected to dry standard conditions, dscf

ASTM 2515-11 equation (6)

$$V_{m(std)} = V_m \times Y \times K_1 \times \frac{Pb + \frac{\Delta H}{13.6}}{Tm}$$

Where:

K_1 = 0.3855 K/mm Hg (for inch pound units17.64 °R/in.Hg)

V_m = Volume of gas sample measured at the dry gas meter, dcm

Y = Dry gas meter calibration factor, dimensionless

P_b = Barometric pressure at the testing site, in mm Hg

ΔH = Average pressure differential across the orifice meter, mm H_2O

T_m = Absolute average dry gas meter temperature, K

Sample calculation train 1:

$$V_{m(std)} = 0.8569 \times 1 \times 0.3855 \times \frac{734.31 + \frac{0}{13.6}}{293.7}$$

$V_{m(std)}$ = 0.8259 dscm (m^3)

Sample calculation train 2+3:

$$V_{m(std)} = 1.1284 \times 1 \times 0.3855 \times \frac{734.31 + \frac{0}{13.6}}{293.7}$$

$V_{m(std)}$ = 1.0876 dscm (m^3)

Sample calculation train ambient:

$$V_{m(std)} = 2.451 \times 1 \times 0.3855 \times \frac{734.31 + \frac{0}{13.6}}{294.6}$$

$V_{m(std)}$ = 2.3551 dscm (m^3)

V_s – Dilution tunnel gas velocity, m/sec

ASTM 2515-11 equation (9)

$$V_s = F_p \times k_p \times C_p \times \sqrt{\Delta P}_{avg} \times \sqrt{\frac{Ts}{Ps \times Ms}}$$

Where:

V_s = Average gas velocity in the dilution tunnel, m/sec

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F_p = Adjustment factor for center of tunnel pitot tube placement $F_p = V_{straw}/V_{scent}$

K_p = pitot tube constant 34.97 m/sec ((g/gxmole)(mmHg)/(K)x(mmwater))

C_p = Standard pitot tube coefficient 0.99 according to ASTM 2515-11 nomenclature 11.2

ΔP = Velocity pressure in the dilution tunnel, mm water

T_s = Absolute average gas temperature in the dilution tunnel, K

P_s = Absolute average gas static pressure in dilution tunnel, mm Hg

M_s is assumed to be 29 g/g mole according to ASTM 2515-11 nomenclature 11.2

Sample calculation

$$V_s = 0.9786 \times 34.97 \times 0.99 \times \sqrt{1.1196} \times \sqrt{\frac{292,7}{735.6x29}}$$

V_s = 4.1993 m/sec

C_s – Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm

ASTM 2515-11 equation (13)

$$C_s = K_2 \times \frac{mn}{Vm(std)}$$

Where:

C_s = *Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm*

K_2 = Constant 0.001 g/mg

m_n = Total amount of particulate matter collected, mg

$V_{m(std)}$ = Volume of gas sample measured by the dry gas meter corrected to standard condition, dscm

Sample calculation train 1:

$$C_s = 0.001x \frac{0.50}{0.8259}$$

C_s = 0.0006054 g/dscm

Sample calculation train 2+3:

$$C_s = 0.001x \frac{0.6}{1.0876}$$

C_s = 0.0005517 g/dscm

Sample calculation train ambient:

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$C_r = 0.001x \frac{0}{2.3551}$

$C_r = 0.0$ *g/dscm*

Q_{std} - Average gas flow rate in dilution tunnel, dscm/min

ASTM 2515-11 equation (3)

$Q_{std} = 60 \times (1-B_{ws}) \times V_s \times A \times [\frac{Tstd \times Ps}{Ts \times Pstd}]$

Where:

Q_{std} *= Average gas flow rate in dilution tunnel, dscm/min*

B_{ws} *= Water vapor in the gas stream proportion by volume assumed to be 0.02 (2 %) according to ASTM 2515-11 nomenclature 11.2*

V_s *= Average gas velocity in the dilution tunnel, m/sec*

A *= Cross sectional area of tunnel,* m^2

T_{std} *= Standard absolute temperature, 293 K*

P_s *= Absolute average gas static pressure in dilution tunnel, mm Hg*

T_s *= Absolute average gas temperature in the dilution tunnel, K*

P_{std} *= Standard absolute pressure, 760 mm Hg*

Sample calculation:

$Q_{std} = 60 \times (1-0.02) \times 4.1993 \times 0.0314 \times [\frac{293 \times 735.6}{292.7 \times 760}]$

$Q_{std} = 7.5155$ *dscm/min*

E_T – Total particulate emissions, g

ASTM 2515-11 equation (15)

$E_T = (C_s - C_r) \times Q_{std} \times \Theta$

Where:

E_T *= Total particulate emission, g*

C_s *= Concentration of particulate matter in tunnel gas, dry basis, corrected to standard conditions, g/dscm*

C_r *= Concentration of particulate matter in room air, dry basis, corrected to standard conditions, g/dscm*

Q_{std} *= Average gas flow rate in dilution tunnel, dscm/min*

Θ *= Total sampling time*

Sample calculation:

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Train 1:

$E_T = (0.0006054 – 0) \times 7.5155 \times 240$

$E_T = 1.0919\ g$

Train 2+3:

$E_T = (0.0005517 – 0) \times 7.5155 \times 240$

$E_T = 0.9919\ g$

Train difference:

Train difference = 0.1565 – 0.1415 = 0.015 g/kg$_{dry}$

*Train precision = ((1.0919-((0.9919+1.0919)/2))/((0.9919+1.0919)/2))*100 = 4.8 %*

Q_{in} – Heat input, Btu

ASTM 2618-13 equation (4 and 5)

$Q_{in} = (W_{fuel}/1+(MC_{ave}/100) \times HHV$

$Q_{in,LHV} = (W_{fuel}/1+(MC_{ave}/100) \times LHV$

Where:

Q_{in} = *Total heat input in test fuel, Btu*

W_{fuel} = *Fuel charge weight in pounds*

MC_{ave} = *Fuel moisture content based on dry fuel weight*

HHV = Higher heating value, 8600 Btu(lb

LHV = Lower heating value, 7988 Btu/lb

Sample calculation:

HHV:

$Q_{in} = (16.5363/(1+(7.5/100))) \times 8600$

$Q_{in} = 132{,}290\ Btu$

LHV:

$Q_{in} = (16.5363/(1+(7.5/100)) \times 7988$

$Q_{in} = 122{,}876\ Btu$

Q_{out} – Heat output, Btu

Test method ASTM 2618-13 equation (7)

$Q_{out} = [\Sigma(C_p \times \Delta T \times M \times t)] + (W_{app} \times C_{steel} + C_p \times W_{water}) \times (TF_{avg} – TI_{avg})$

$M = V_f \times \sigma$

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$\sigma = (62.56 + (0.0003413 \times T_3) + (-0.00006225 \times T_3)) \times 0.1337$

$C_p = 1.0014 + (-0.00003485 \times T_3)$

Where:

C_p = *specific heat of water, Btu/lb °F*

C_{steel} = *Specific heat of steel, Btu/lb °F*

ΔT = *Temperature difference between water entering and exiting the heat exchanger, °F*

M = *Mass flow rate of water, lb/min*

t = *data sampling time , minutes*

W_{app} =*Weight of empty appliance , lbs*

W_{water} = *Weight of water in supply side of system, lbs*

TF_{avg} = *Average temperature of the appliance and water at the end of the test, °F*

TI_{avg} = *Average temperature of the appliance and water at the start of the test, °F*

T_3 = *Temperature of water at the inlet to the load side of the heat exchanger, °F*

V_f = *Volumetric flow rate of water in heat exchanger system, gal/min*

σ = *Density of water, lb/gal*

Sample calculation:

$[\Sigma(C_p \times \Delta T \times M \times t)] = (1.001 \times 33.678 \times 12.865 \times 240)$

$[\Sigma(C_p \times \Delta T \times M \times t)] = 104{,}088$ *Btu*

$Q_{out} = 104{,}088 + (837{,}75 \times 0.1 + 1.001 \times 132.28) \times (157.1 - 153.9)$

$Q_{out} = 104{,}775$

Q_{out} – Heat output rate, Btu/hr

Test method ASTM 2618-13 equation (15)

Heat output rate = Q_{out} */ test duration*

Heat output rate = 104,775 / (240/60)

Heat output rate = 26,194

η_{del} = Delivered efficiency , %

Test method ASTM 2618-13 equation (20)

$\eta_{del} = (Q_{out}/Q_{in}) \times 100$

$\eta_{delLHV} = (Q_{out}/Q_{inLHV}) \times 100$

Where:

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η_{del} = *Delivered heating efficiency, %*

η_{delLHV} = *Delivered heating efficiency with lower heating value, %*

Sample calculation:

η_{del} = *(104,775/132,290) x 100*

η_{del} = *79.2 %*

η_{delLHV} = *(104,775/122,876) x 100*

η_{delLHV} = *85.3 %*

Emission rates, g/MJ, g/kg, lb/MMBtu output, g/hr

ASTM 2618-13 equations (16 to 19)

$E_{g/MJ} = E_T / (Q_{out} \times 0.001055)$

$E_{g/kg} = E_T / (W_{fuel} / (1+MC/100))$

$E_{lb/MMBtu\ output} = (E_T/453.59) / (Q_{outputx} \times 10^{-6})$

$E_{g/hr} = E_T / \Theta$

Sample calculation train 1:

$E_{g/MJ}$ = *1.0919/(104,775 x 0.001055)*

$E_{g/MJ}$ = *0.0099 g/MJ*

$E_{g/kg}$ = *1.0919/(7.50/(1+7.5/100)*

$E_{g/kg}$ = *0.1565 g/kg*

$E_{lb/MMBtu\ output}$ = *(1.0919/453.59)/(104,775 x* 10^{-6}*)*

$E_{lb/MMBtu\ output}$ = *0.023 lb/MMBtu*$_{output}$

$E_{g/hr}$ = *1.0919/(240/60)*

$E_{g/hr}$ = *0.273 g/hr*

Sample calculation train 2:

$E_{g/MJ}$ = *0.9919/(104,775 x 0.001055)*

$E_{g/MJ}$ = *0.009 g/MJ*

$E_{g/kg}$ = *0.9919/(7.50/(1+7.5/100)*

$E_{g/kg}$ = *0.141 g/kg*

$E_{lb/MMBtu\ output}$ = *(0.9919/453.59)/(104,775 x* 10^{-6}*)*

$E_{lb/MMBtu\ output}$ = *0.021 lb/MMBtu*$_{output}$

$E_{g/hr}$ = *0.9919/(240/60)*

$E_{g/hr}$ = *0.248 g/hr*

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Category I

m_n – Total particulate matter collected

ASTM 2515-11 equation (12)

$m_n = m_p + m_f + m_g$

where:

m_n = *Total particulate matter collected, mg*

m_p = *mass of particulate from probe, mg*

m_f = *mass of particlute from filters, mg*

m_g = *mass of particulate from filter gaskets, mg*

Sample calculation train 1:

$m_n = 0.4 + 0.6 + 0.2$

m_n = *1.20 mg*

Sample calculation train 2+3:

$m_n = 0 + 0.70 + 0.10$

m_n = *0.80 mg*

$V_{m(std)}$ – Volume of gas sampled corrected to dry standard conditions, dscf

ASTM 2515-11 equation (6)

$$V_{m(std)} = V_m \times Y \times K_1 \times \frac{Pb + \frac{\Delta H}{13.6}}{Tm}$$

Where:

K_1 = *0.3855 K/mm Hg (for inch pound units17.64 °R/in.Hg)*

V_m = *Volume of gas sample measured at the dry gas meter, dcm*

Y = *Dry gas meter calibration factor, dimensionless*

P_b = *Barometric pressure at the testing site, in mm Hg*

ΔH = *Average pressure differential across the orifice meter, mm* H_2O

T_m = *Absolute average dry gas meter temperature, K*

Sample calculation train 1:

$$V_{m(std)} = 0{,}8464 \times 1 \times 0.3855 \times \frac{726.81 + \frac{0}{13.6}}{293.8}$$

$V_{m(std)}$ = *0.8071 dscm* (m^3)

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Sample calculation train 2+3:

$$V_{m(std)} = 1.1356 \times 1 \times 0.3855 \times \frac{726.81 + \frac{0}{13.6}}{293.8}$$

$V_{m(std)} = 1.0830$ *dscm* (m^3)

Sample calculation train ambient:

$$V_{m(std)} = 2.4383 \times 1 \times 0.3855 \times \frac{726.81 + \frac{0}{13.6}}{294.6}$$

$V_{m(std)} = 2.3190$ *dscm* (m^3)

V_s – Dilution tunnel gas velocity, m/sec

ASTM 2515-11 equation (9)

$$V_s = F_p \times k_p \times C_p \times \sqrt{\Delta P}_{avg} \times \sqrt{\frac{Ts}{Ps \times Ms}}$$

Where:

V_s = *Average gas velocity in the dilution tunnel, m/sec*

F_p = *Adjustment factor for center of tunnel pitot tube placement* $F_p = V_{strav}/V_{scent}$

K_p = *pitot tube constant 34.97 m/sec ((g/gxmole)(mmHg)/(K)x(mmwater))*

C_p = *Standard pitot tube coefficient 0.99 according to ASTM 2515-11 nomenclature 11.2*

ΔP = *Velocity pressure in the dilution tunnel, mm water*

T_s = *Absolute average gas temperature in the dilution tunnel, K*

P_s = *Absolute average gas static pressure in dilution tunnel, mm Hg*

M_s *is assumed to be 29 g/g mole according to ASTM 2515-11 nomenclature 11.2*

Sample calculation

$$V_s = 0.9786 \times 34.97 \times 0.99 \times \sqrt{1.0891} \times \sqrt{\frac{295{,}6}{727.9x29}}$$

$V_s = 4.1839$ *m/sec*

C_s – Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm

ASTM 2515-11 equation (13)

$$C_s = K_2 \times \frac{mn}{Vm(std)}$$

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Where:

C_s = *Concentration of particulate matter in tunnel gas, dry basis, corrected to standard condition, g/dscm*

K_2 = *Constant 0.001 g/mg*

m_n = *Total amount of particulate matter collected, mg*

$V_{m(std)}$ = *Volume of gas sample measured by the dry gas meter corrected to standard condition, dscm*

Sample calculation train 1:

$$C_s = 0.001x \frac{1.20}{0.8071}$$

C_s = *0.001487 g/dscm*

Sample calculation train 2+3:

$$C_s = 0.001x \frac{0.80}{1.0830}$$

C_s = *0.0007387 g/dscm*

Sample calculation train ambient:

$$C_r = 0.001x \frac{0}{2.3190}$$

C_r = *0 g/dscm*

Q_{std} - Average gas flow rate in dilution tunnel, dscm/min

ASTM 2515-11 equation (3)

$$Q_{std} = 60 \times (1-B_{ws}) \times V_s \times A \times \left[\frac{Tstd \times Ps}{Ts \times Pstd}\right]$$

Where:

Q_{std} = *Average gas flow rate in dilution tunnel, dscm/min*

B_{ws} = *Water vapor in the gas stream proportion by volume assumed to be 0.02 (2 %) according to ASTM 2515-11 nomenclature 11.2*

V_s = *Average gas velocity in the dilution tunnel, m/sec*

A = *Cross sectional area of tunnel, m^2*

T_{std} = *Standard absolute temperature, 293 K*

P_s = *Absolute average gas static pressure in dilution tunnel, mm Hg*

T_s = *Absolute average gas temperature in the dilution tunnel, K*

P_{std} = *Standard absolute pressure, 760 mm Hg*

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Sample calculation:

$Q_{std} = 60 \times (1-0.02) \times 4.1839 \times 0.0314 \times \left[\frac{293 \times 727.9}{295.6 \times 760}\right]$

$Q_{std} = 7.3371$ *dscm/min*

E_T – Total particulate emissions, g

ASTM 2515-11 equation (15)

$E_T = (C_s - C_r) \times Q_{std} \times \Theta$

Where:

E_T *= Total particulate emission, g*

C_s *= Concentration of particulate matter in tunnel gas, dry basis, corrected to standard conditions, g/dscm*

C_r *= Concentration of particulate matter in room air, dry basis, corrected to standard conditions, g/dscm*

Q_{std} *= Average gas flow rate in dilution tunnel, dscm/min*

Θ *= Total sampling time*

Sample calculation:

Train 1:

$E_T = (0.001487 - 0.0) \times 7.3371 \times 240$

$E_T = 2.6180$ *g*

Train 2+3:

$E_T = (0.0007387 - 0.0) \times 7.3371 \times 240$

$E_T = 1.1301$ *g*

Train difference:

Train difference = 0.5505 – 0.2365 = 0.3140 g/kg$_{dry}$

*Train precision = ((2.6180-((2.6180+1.1301)/2))/((2.6180+1.1301)/2))*100 = 39.7 %*

Q_{in} – Heat input, Btu

ASTM 2618-13 equation (4 and 5)

$Q_{in} = (W_{fuel}/1+(MC_{ave}/100) \times HHV$

$Q_{in,LHV} = (W_{fuel}/1+(MC_{ave}/100) \times LHV$

Where:

Q_{in} *= Total heat input in test fuel, Btu*

W_{fuel} *= Fuel charge weight in pounds*

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MC_{ave} = Fuel moisture content based on dry fuel weight

HHV = Higher heating value, 8600 Btu(lb

LHV = Lower heating value, 7988 Btu/lb

Sample calculation:

HHV:

Q_{in} = (11.2706/(1+(7.5/100))) x 8600

Q_{in} = 90,165 Btu

LHV:

Q_{in} = (11.2706/(1+(7.5/100)) x 7988

Q_{in} = 83,748 Btu

Q_{out} – Heat output, Btu

Test method ASTM 2618-13 equation (7)

$$Q_{out} = [\Sigma(C_p \times \Delta T \times M \times t)] + (W_{app} \times C_{steel} + C_p \times W_{water}) \times (TF_{avg} - TI_{avg})$$

$$M = V_f \times \sigma$$

$$\sigma = (62.56 + (0.0003413 \times T_3) + (-0.00006225 \times T_3)) \times 0.1337$$

$$C_p = 1.0014 + (-0.00003485 \times T_3)$$

Where:

C_p = specific heat of water, Btu/lb °F

C_{steel} = Specific heat of steel, Btu/lb °F

ΔT = Temperature difference between water entering and exiting the heat exchanger, °F

M = Mass flow rate of water, lb/min

t = data sampling time , minutes

W_{app} =Weight of empty appliance , lbs

W_{water} = Weight of water in supply side of system, lbs

TF_{avg} = Average temperature of the appliance and water at the end of the test, °F

TI_{avg} = Average temperature of the appliance and water at the start of the test, °F

T_3 = Temperature of water at the inlet to the load side of the heat exchanger, °F

V_f = Volumetric flow rate of water in heat exchanger system, gal/min

σ = Density of water, lb/gal

Sample calculation:

$$[\Sigma(C_p \times \Delta T \times M \times t)] = (1.001 \times 20.18 \times 14.18 \times 240)$$

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$[\Sigma(C_p \times \Delta T \times M \times t)] = 68{,}745$ Btu

$Q_{out} = 68{,}745 + (837{,}75 \times 0.1 + 1.001 \times 132.28) \times (146.1 - 144.8)$

$Q_{out} = 69{,}019$

Q_{out} – Heat output rate, Btu/hr

Test method ASTM 2618-13 equation (15)

Heat output rate = Q_{out} / test duration

Heat output rate = 69,019 / (240/60)

Heat output rate = 17,255

η_{del} = Delivered efficiency , %

Test method ASTM 2618-13 equation (20)

$\eta_{del} = (Q_{out}/Q_{in}) \times 100$

$\eta_{delLHV} = (Q_{out}/Q_{inLHV}) \times 100$

Where:

η_{del} = Delivered heating efficiency, %

η_{delLHV} = Delivered heating efficiency with lower heating value, %

Sample calculation:

$\eta_{del} = (69{,}019/90{,}165) \times 100$

$\eta_{del} = 76.5$ %

$\eta_{delLHV} = (69{,}019/83{,}748) \times 100$

$\eta_{delLHV} = 82.4$ %

Emission rates, g/MJ, g/kg, lb/MMBtu output, g/hr

ASTM 2618-13 equations (16 to 19)

$E_{g/MJ} = E_T / (Q_{out} \times 0.001055)$

$E_{g/kg} = E_T/(W_{fuel}/(1+MC/100))$

$E_{lb/MMBtu\ output} = (E_T/453.59)/(Q_{outputx} \times 10^{-6})$

$E_{g/hr} = E_T/\Theta$

Sample calculation train 1:

$E_{g/MJ} = 2.6180/(69{,}019 \times 0.001055)$

$E_{g/MJ} = 0.036$ g/MJ

$E_{g/kg} = 2.6180/(5.112/(1+7.5/100)$

$E_{g/kg} = 0.551$ g/kg

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$E_{lb/MMBtu\ output}$= *(2.6180/453.59)/(69,019 x* 10^{-6}*)*

$E_{lb/MMBtu\ output}$= *0.084* $lb/MMBtu_{output}$

$E_{g/hr}$= *2.6180/(240/60)*

$E_{g/hr}$= *0.654 g/hr*

Sample calculation train 2:

$E_{g/MJ}$ = *1.130/(69,019 x 0.001055)*

$E_{g/MJ}$ = *0.016 g/MJ*

$E_{g/kg}$ = *1.130/(5.112/(1+7.5/100)*

$E_{g/kg}$= *0.238 g/kg*

$E_{lb/MMBtu\ output}$= *(1.130/453.59)/(69,019 x* 10^{-6}*)*

$E_{lb/MMBtu\ output}$= *0.036* $lb/MMBtu_{output}$

$E_{g/hr}$= *1.130/(240/60)*

$E_{g/hr}$= *0.283 g/hr*

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Bilaga 9

Proportional rate variation

Category IV

PROBE 2 Cat IV 13-09-2017																			
		Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2	Probe 2
		i 1	i 2	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13	i 14	i 15	i 16	i 17	i 18	
Time total, minute	Θ	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,03	0,03	0,04	0,05	0,04	0,06	0,03	0,04	0,05	0,03	0,03	0,04	0,04	0,04	0,03	0,03	0,06	
Average gas velocity in tunnel, m/s	V_s	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	4,998	
Absolute average dry gas meter temperature, K	T_m	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	294,038	
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	296,26	298,31	298,98	294,91	295,83	297,73	297,89	297,29	298,30	295,96	297,65	292,26	299,64	295,42	295,12	295,45	295,43	
Volume of gas sample total, m^3	V_m	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	0,67	
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	5,00	5,00	5,00	5,00	5,01	5,01	5,01	5,00	4,99	5,00	5,01	5,01	4,97	4,98	4,99	4,99	5,00	
Absolute average gas temperature in tunnel (pitot), K	T_s	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	296,58	
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,74	293,77	293,79	293,87	293,97	294,05	294,16	294,21	294,23	294,25	294,24	294,18	294,10	294,07	294,05	294,02	293,97	
Actual time when reading, minute	$Θ_i$	10	10	15	18	13	22	12	13	16	11	10	15	15	13	12	12	23	
Results		101	105	101	99	105	100	105	99	104	100	97	97	103	101	100	97	92	
Requirement		90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	
Fail/ok		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	
Fail 2/ok																			

PROBE 1+3 Cat IV 13-09-2017																			
		Probe1	Probe1	Probe1	Probe1	Probe3	Probe3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3
		i 2	i 3	i 4	i 5	i 1	i 2	i 3	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13	
Time total, minute	Θ	60,00	60,00	60,00	60,00	176,17	176,17	176,17	176,17	176,17	176,17	176,17	176,17	176,17	176,17	176,17	176,17	176,17	
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,02	0,02	0,03	0,04	0,01	0,09	0,05	0,05	0,07	0,05	0,05	0,07	0,06	0,06	0,05	0,06	0,11	
Average gas velocity in tunnel, m/s	V_s	5,003	5,003	5,003	5,003	5,003	5,003	4,997	4,997	4,997	4,997	4,997	4,997	4,997	4,997	4,997	4,997	4,997	
Absolute average dry gas meter temperature, K	T_m	293,713	293,713	293,713	293,713	293,713	293,713	294,439	294,439	294,439	294,439	294,439	294,439	294,439	294,439	294,439	294,439	294,439	
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	296,26	298,31	298,98	294,91	295,83	297,73	297,64	297,29	298,30	295,96	297,65	292,26	299,64	295,42	295,12	295,45	295,43	
Volume of gas sample total, m^3	V_m	0,12	0,12	0,12	0,12	0,76	0,76	0,76	0,76	0,76	0,76	0,76	0,76	0,76	0,76	0,76	0,76	0,76	
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	5,00	5,00	5,00	5,00	5,01	5,01	5,01	5,00	4,99	5,00	5,01	5,01	4,97	4,98	4,99	4,99	5,00	
Absolute average gas temperature in tunnel (pitot), K	T_s	296,92	296,92	296,92	296,92	296,92	296,92	296,51	296,51	296,51	296,51	296,51	296,51	296,51	296,51	296,51	296,51	296,51	
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,63	293,65	293,69	293,76	293,86	293,97	294,01	294,22	294,34	294,45	294,53	294,59	294,64	294,66	294,66	294,67	294,66	
Actual time when reading, minute	$Θ_i$	10	10	15	18	2	22	12	13	16	11	10	15	15	13	12	12	23	
Results		92	94	98	103	90	91	91	93	99	104	107	104	100	101	104	108	105	
Requirement		90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	90 - 110	91 - 110	92 - 110	93 - 110	94 - 110	90 - 110	
Fail/ok		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	81 - 120	82 - 120	83 - 120	84 - 120	80 - 120	
Fail 2/ok																			

Transaction 09222115557487030913 Signed HP, MJ

Bilaga 9

Category III

PROBE 2 Cat III, run 1, 18-09-2017

		i 1	i 2	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13	i 14	i 15	i 16	i 17	i 18
Time total, minute	Θ	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,07	0,04	0,05	0,08	0,05	0,04	0,06	0,06	0,04	0,07	0,05	0,04	0,06	0,09	0,07	0,04	0,04
Average gas velocity in tunnel, m/s	V_s	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816	4,816
Absolute average dry gas meter temperature, K	T_m	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726	293,726
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	294,04	295,91	296,57	297,60	298,36	296,18	297,06	295,74	295,31	297,62	296,92	295,49	296,09	296,93	296,71	296,71	296,71
Volume of gas sample total, m^3	V_m	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96	0,96
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	4,84	4,84	4,83	4,83	4,82	4,83	4,82	4,82	4,82	4,80	4,81	4,81	4,80	4,80	4,78	4,82	4,83
Absolute average gas temperature in tunnel (pitot), K	T_s	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48	296,48
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,40	293,43	293,45	293,41	293,45	293,50	293,55	293,64	293,72	293,80	293,90	293,95	293,96	294,01	294,05	294,09	294,11
Actual time when reading, minute	$Θ_i$	20	12	13	18	12	10	15	15	10	17	13	10	15	23	17	10	10
Results		85	90	96	104	103	102	103	100	97	104	101	102	103	103	103	102	107
Requirement		90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110
Fail/ok		fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120
Fail 2/ok		ok																

PROBE 1+3 Cat III, 18-09-2017

		Probe1	Probe1	Probe1	Probe1	Probe3	Probe3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3
		i 2	i 3	i 4	i 5	i 1	i 2	i 3	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13
Time total, minute	Θ	65,00	65,00	65,00	65,00	171,67	171,67	171,67	171,67	171,67	171,67	171,67	171,67	171,67	171,67	171,67	171,67	171,67
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,10	0,06	0,06	0,09	0,03	0,07	0,06	0,06	0,04	0,08	0,06	0,05	0,07	0,11	0,08	0,05	0,05
Average gas velocity in tunnel, m/s	V_s	4,833	4,833	4,833	4,833	4,833	4,833	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810	4,810
Absolute average dry gas meter temperature, K	T_m	293,210	293,210	293,210	293,210	293,210	293,210	293,872	293,872	293,872	293,872	293,872	293,872	293,872	293,872	293,872	293,872	293,872
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	294,04	295,91	296,57	297,60	298,36	296,18	297,03	295,74	295,31	297,62	296,92	295,49	296,09	296,93	296,71	296,71	296,71
Volume of gas sample total, m^3	V_m	0,32	0,32	0,32	0,32	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	4,84	4,84	4,83	4,83	4,82	4,83	4,82	4,82	4,82	4,80	4,81	4,81	4,80	4,80	4,78	4,82	4,83
Absolute average gas temperature in tunnel (pitot), K	T_s	296,02	296,02	296,02	296,02	296,02	296,02	296,62	296,62	296,62	296,62	296,62	296,62	296,62	296,62	296,62	296,62	296,62
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,14	293,18	293,23	293,28	293,34	293,39	293,41	293,55	293,64	293,75	293,87	293,96	294,04	294,14	294,22	294,27	294,30
Actual time when reading, minute	$Θ_i$	20	12	13	18	7	17	15	15	10	17	13	10	15	23	17	10	10
Results		98	95	96	100	97	94	91	90	93	103	98	101	102	101	102	100	104
Requirement		90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110
Fail/ok		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	81 - 120	82 - 120	83 - 120	84 - 120	80 - 120
Fail 2/ok																		

Transaction 09222115557487030913 Signed HP, MJ

Bilaga 9

Category II

PROBE 2 Cat II, 15-09-2017

		i 1	i 2	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13	i 14	i 15	i 16	i 17	i 18	i 19
Time total, minute	Θ	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,04	0,05	0,06	0,04	0,04	0,05	0,03	0,06	0,06	0,05	0,04	0,04	0,08	0,10	0,03	0,05	0,04	0,02
Average gas velocity in tunnel, m/s	V_s	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278	4,278
Absolute average dry gas meter temperature, K	T_m	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852	293,852
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	288,85	295,41	294,19	292,52	293,25	294,54	293,10	295,41	293,40	293,84	294,38	294,03	291,73	290,29	291,13	292,02	290,46	290,51
Volume of gas sample total, m^3	V_m	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87	0,87
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	4,33	4,33	4,31	4,31	4,29	4,28	4,29	4,28	4,27	4,28	4,27	4,28	4,26	4,25	4,25	4,26	4,25	4,24
Absolute average gas temperature in tunnel (pitot), K	T_s	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81	292,81
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,54	293,57	293,64	293,70	293,76	293,82	293,86	293,89	293,91	293,91	293,90	293,91	293,94	293,98	293,98	294,00	294,04	294,05
Actual time when reading, minute	Θ_i	10	17	17	10	12	14	10	15	15	13	12	10	23	27	8	12	10	5
Results		99	89	99	98	101	100	96	103	102	103	100	103	101	102	99	104	98	107
Requirement		90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110
Fail/ok		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120
Fail 2/ok																			

PROBE 1+3 Cat II, 15-09-2017

		Probe1	Probe1	Probe1	Probe1	Probe1	Probe3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3
		i 2	i 3	i 4	i 5	i 1	i 2	i 3	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13	i 14	i 15
Time total, minute	Θ	60,00	60,00	60,00	60,00	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50	175,50
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,05	0,08	0,08	0,05	0,03	0,01	0,06	0,05	0,07	0,07	0,06	0,05	0,05	0,11	0,13	0,04	0,06	0,05	0,02
Average gas velocity in tunnel, m/s	V_s	4,316	4,316	4,316	4,316	4,316	4,316	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265	4,265
Absolute average dry gas meter temperature, K	T_m	293,332	293,332	293,332	293,332	293,332	293,332	294,084	294,084	294,084	294,084	294,084	294,084	294,084	294,084	294,084	294,084	294,084	294,084	294,084
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	288,85	295,41	294,19	292,52	292,75	293,93	294,18	293,10	295,41	293,40	293,84	294,38	294,03	291,73	290,29	291,13	292,02	290,46	290,51
Volume of gas sample total, m^3	V_m	0,28	0,28	0,28	0,28	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82	0,82
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	4,33	4,33	4,31	4,31	4,30	4,29	4,28	4,29	4,28	4,27	4,28	4,27	4,28	4,26	4,25	4,25	4,26	4,25	4,24
Absolute average gas temperature in tunnel (pitot), K	T_s	293,24	293,24	293,24	293,24	293,24	293,24	292,61	292,61	292,61	292,61	292,61	292,61	292,61	292,61	292,61	292,61	292,61	292,61	292,61
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,17	293,25	293,36	293,47	293,53	293,59	293,67	293,78	293,87	293,97	294,04	294,09	294,13	294,18	294,25	294,29	294,30	294,32	294,33
Actual time when reading, minute	Θ_i	10	17	17	10	6	1,5	14	10	15	15	13	12	10	23	27	8	12	10	5
Results		96	99	102	97	106	96	98	97	103	102	100	96	96	102	98	105	102	98	106
Requirement		90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110
Fail/ok		ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	81 - 120	82 - 120	83 - 120	84 - 120	80 - 120	80 - 120	820- 120
Fail 2/ok																				

Transaction 09222115557487030913 Signed HP, MJ

Bilaga 9

Category I

PROBE 2 Cat I, 14-09-2017

		i 1	i 2	i 3	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13	i 14	i 15	i 16	i 17
Time total, minute	Θ	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00	240,00
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,04	0,03	0,07	0,06	0,04	0,06	0,05	0,03	0,06	0,05	0,04	0,04	0,06	0,05	0,04	0,06	0,06
Average gas velocity in tunnel, m/s	V_s	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101	4,101
Absolute average dry gas meter temperature, K	T_m	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977	293,977
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	296,72	293,36	293,09	295,78	296,42	296,42	296,26	296,02	295,88	295,81	295,88	296,00	295,97	295,99	296,02	296,04	296,18
Volume of gas sample total, m^3	V_m	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86	0,86
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	4,12	4,11	4,09	3,51	3,79	3,91	4,22	4,26	4,27	4,27	4,26	4,26	4,25	4,26	4,26	4,26	3,74
Absolute average gas temperature in tunnel (pitot), K	T_s	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72	295,72
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,51	293,52	293,60	293,74	293,84	293,91	294,04	294,08	294,04	293,99	294,00	294,02	294,07	294,14	294,22	294,28	294,35
Actual time when reading, minute	Θ_i	10	10	19	16	10	17	13	10	18	15	12	10	18	15	12	18	17
Results		103	95	103	118	111	104	103	92	90	96	101	97	93	96	101	94	110
Requirement		90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110
Fail/ok		ok	ok	ok	fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120
Fail 2/ok					ok													

PROBE 1+3 Cat I, 14-09-2017

		Probe1	Probe1	Probe1	Probe1	Probe1	Probe3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3	Probe 3
		i 2	i 3	i 4	i 5	i 1	i 2	i 3	i 4	i 5	i 6	i 7	i 8	i 9	i 10	i 11	i 12	i 13
Time total, minute	Θ	60,00	60,00	60,00	60,00	175,67	175,67	175,67	175,67	175,67	175,67	175,67	175,67	175,67	175,67	175,67	175,67	175,67
Gas meter volume of gas sample during 10 min interval, m^3	V_{mi}	0,05	0,05	0,08	0,07	0,05	0,08	0,06	0,05	0,08	0,07	0,05	0,04	0,09	0,07	0,06	0,08	0,08
Average gas velocity in tunnel, m/s	V_s	3,926	3,926	3,926	3,926	3,926	3,926	4,173	4,173	4,173	4,173	4,173	4,173	4,173	4,173	4,173	4,173	4,173
Absolute average dry gas meter temperature, K	T_m	293,571	293,571	293,571	293,571	293,571	293,571	294,390	294,390	294,390	294,390	294,390	294,390	294,390	294,390	294,390	294,390	294,390
Absolute average gas temperature in tunnel during 10 minute interval, K (pitot)	T_{si}	296,72	293,36	293,09	295,78	296,42	296,42	296,36	296,02	295,88	295,81	295,88	296,00	295,97	295,99	296,02	296,04	296,18
Volume of gas sample total, m^3	V_m	0,28	0,28	0,28	0,28	0,83	0,83	0,83	0,83	0,83	0,83	0,83	0,83	0,83	0,83	0,83	0,83	0,83
Average gas velocity in tunnel for 10 min interval, m/s	V_{si}	4,12	4,11	4,09	3,51	3,79	3,91	4,05	4,26	4,27	4,27	4,26	4,26	4,25	4,26	4,26	4,26	3,74
Absolute average gas temperature in tunnel (pitot), K	T_s	294,70	294,70	294,70	294,70	294,70	294,70	296,05	296,05	296,05	296,05	296,05	296,05	296,05	296,05	296,05	296,05	296,05
Absolute average dry gas meter temperature during 10 minute interval, K (probe i)	T_{mi}	293,45	293,47	293,54	293,68	293,80	293,94	294,01	294,24	294,35	294,43	294,48	294,50	294,50	294,50	294,51	294,54	294,58
Actual time when reading, minute	Θ_i	10	10	19	16	10	18	13	10	18	15	12	10	18	15	12	18	17
Results		99	102	90	111	100	98	96	97	89	91	92	91	105	97	99	98	112
Requirement		90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110	90 -110
Fail/ok		fail	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok	ok
Requirement 2		80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	80 - 120	81 - 120	82 - 120	83 - 120	84 - 120	80 - 120
Fail 2/ok		ok																

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Bilaga 10

Technician notes

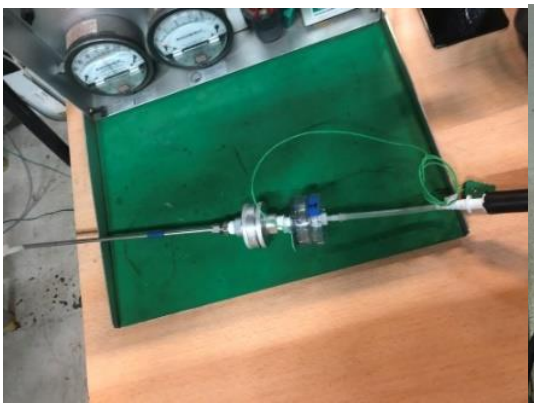
Logg PE1 Pellet 35, 2017

Preparations:

- Boiler connected to 230 V and 60 Hz.

- Moisture content in the pellets on dry base: (905,0-369,0) - (867,5-369,0)/ (867,5-369,0)*100=7,5 %

- Sampling trains adjusted to a sample flow below 0,007 m^3/min



Test day 1 Cat IV 2017-09-13

- Settings on the boiler: boiler set temperature 87 °C and O_2 setting at 8 % according to the manufacturer's instructions. *Operation of the boiler as per user manual chapter 7. There are no further adjustments required for the air control or the feed rate as the boiler adapts this automatically.*
- Air velocity around the appliance: 0 - 0.05 m/s

- Static pressure induced by the draught = 0,1 Pa.
- Pstat in tunnel = 212 Pa

	Time, computer	Weight (scale), kg	Probe 2 (gas meter 202743)	Probe 1 (gas meter 901070)	Probe 3 (gas meter 901070)	Ambient	barometer/ humidity/ temp.	Comments
Start 2 hrs pre-burn								Test category IV run 1, data file froling.PE135kW_170913_start_cat IV
Start test (probe 1+2)	60,00	538.13	Filter nr. 72+73	Filter nr. 70+71		Filter nr.76	973mbar/RH 62 %/20 C	Data file: Froling_PE135kW_170913_mat ning_cat IV Stop Probe 1 (1

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								hour)=120,00
Start test probe 3	123,83				Filter nr. 74+75			
End test	300,00	506.44					973/62 %/20	

Test run at category IV was found to fulfill the requirements and no anomalies was found.

Test day 2 2017-09-14

Cat I

- Air velocity around the appliance: 0-0.05 m/s
- Static pressure in the chimney induced by the draught = 0.3 Pa
- Settings on the boiler: boiler temperature at 60 C and O_2 setting at 8 % according to the manufacturer's instruction. *Operation of the boiler as per user manual chapter 7. There are no further adjustments required for the air control or the feed rate as the boiler adapts this automatically.*
- Pstat in tunnel = 144 Pa

Test	Time, computer	Weight (scale), kg	Probe 2 (gas meter 202743)	Probe 1 (gas meter 901070)	Probe 3 (gas meter 202743)	Ambient	barometer/ humidity/ temp.	Comments
Start 2 hrs pre-burn test								Data file: Froling_PE135kW_170914_start_cat I
Start test (probe 1+2)	60,00	513.15	Filter nr. 9+11	Filter nr. 2+5		Filter nr. 31	969/54/20	Data file: Froling_PE135kW_170914_matning_cat I Stop Probe 1 (1 hour)=120,00
Start test probe 3	124,33				Filter nr. 17+51			
End test	300,00	508.04						

Test run at category I was found to fulfill the requirements and no anomalies was found.

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Test day 3 2017-09-15

Cat II

- Air velocity around the appliance: 0-0.05 m/s
- Static induced by the draught = 0.5 Pa
- Settings on the boiler: boiler temperature at 76 C and O_2 setting at 8 % according to the manufacturer's instructions. *Operation of the boiler as per user manual chapter 7. There are no further adjustments required for the air control or the feed rate as the boiler adapts this automatically.*

- Pstat in tunnel = 166 Pa

Test	Time computer	Weight (scale), kg	Probe 2 (gas meter 202743)	Probe 1 (gas meter 901070)	Probe 3 (gas meter 202743)	(200721)Ambient	barometer/ humidity/ temp.	Comments
Start 2 hrs pre-burn test								data file froling.PE135kW_170915_start_cat II.DAT
Start test (probe 1+2)	60,00	515.12	Filter nr. 19+20	Filter nr. 4+13		Filter nr. 15	979 mbar/58 %/20 C	data file froling.PE135kW_170915_matning_cat II.DAT Stop Probe 1 (1 hour) =120,00
Start test probe 3	124,50				Filter nr. 50+52			
End test 1	300,00	507.62						

Test run at category II was found to fulfill the requirements and no anomalies was found.

Test day 4 2017-09-18

Cat III

- Air velocity around the appliance: 0 - 0.05 m/s
- Static induced by the draught = 0.5 Pa
- Settings on the boiler: boiler temperature at 78 °C and O_2 setting at 8 % according to the manufacturer's instructions. *Operation of the boiler as per user manual chapter 7. There are no further adjustments required for the air control or the feed rate as the boiler adapts this automatically.*
- Pstat in tunnel = 196 Pa

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Bilaga 10

Test	Time computer	Weight (scale), kg	Probe 2 (gas meter 202743)	Probe 1 (gas meter 901070)	Probe 3 (gas meter 202743)	(200721)Ambient	barometer/ humidity/ temp.	Comments
Start 2 hrs pre-burn	0,00-132							data file froling.PE135kW_170915_start_cat III.DAT
Start test (probe 1+2)	65,00	525.43	Filter nr. 6+10	Filter nr. 7+8		Filter nr. 1	992 mbar/53 %/20 C	data file froling.PE135kW_170915_matning_cat III.DAT Stop Probe 1 (1 hour) =130,00
Start test probe 3	133,67				Filter nr. 12+16			
End test 1	305,00	510.85						

The test run at category III was found to be fulfilled and no anomalies was found.

Sealed boiler after testing

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Bilaga 11

50 hours of conditioning

The table below show the conditioning of the boiler PE1 Pellet 35 performed by the manufacturer.

PE1 Pellet 35:						
Date	**Operating hours**	**Elapsed time**	**Output in kw**	**output in (Btu/hr)**	**Boiler temperature/°C**	**Flue gas temperature/°C**
		0,00				
2017-07-27	02:30	2,50	36,34	123 990	70,1	114,8
2017-08-10	04:00	6,50	35,45	120 949	80,4	131,2
2017-08-11	01:30	8,00	35,43	120 899	80,4	136,2
2017-08-14	02:00	10,00	34,45	117 555	80,0	134,2
2017-08-16	03:30	13,50	35,29	120 402	80,6	136,3
2017-08-16	08:00	21,50	3,80	12 953	80,3	84,8
2017-08-17	08:30	30,00	3,84	13 098	80,5	85,4
2017-08-17	04:30	34,50	4,10	13 987	81,0	83,1
2017-08-18	08:00	42,50	5,64	19 241	80,1	83,6
2017-08-18	04:00	46,50	5,56	18 959	80,1	83,2
2017-08-21	03:30	50,00	35,29	120 401	80,2	139,0
2017-08-22	05:00	55,00	4,60	15 690	78,8	78,3
2017-08-23	04:00	59,00	4,64	15 824	78,7	79,4
2017-08-24	04:00	63,00	17,63	60 150	80,0	101,9
2017-08-25	13:00	76,00	6,57	22 434	78,4	81,3
	∑ 76h					

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Bilaga 12

CSA B415.1-10 results

The tables below are the reports from the calculation sheets according to CSA B415.1-10.

Category IV

ABC Laboratories, Inc.

Manufacturer:	Fröling
Model:	PE1 35 kW
Date:	13/09/2017
Run:	1
Control #:	
Test Duration:	163,366
Output Category:	Category IV

Technicians: _____

Test Results in Accordance with CSA B415.1-10

	HHV Basis	LHV Basis	
Overall Efficiency	84,5%	91,0%	
Combustion Efficiency	99,5%	99,5%	
Heat Transfer Efficiency	85%	91,5%	
Output Rate (kJ/h)	182 916	173 516	**(Btu/h)**
Burn Rate (kg/h)	10,82	23,85	**(lb/h)**
Input (kJ/h)	216 359	205 240	**(Btu/h)**
Test Load Weight (dry kg)	29,47	64,95	**dry lb**
MC wet (%)	7		
MC dry (%)	7,53		
Particulate (g)	3,28		
CO (g)	49		
Test Duration (h)	2,72		

Emissions	**Particulate**	**CO**
g/MJ Output	0,01	0,10
g/kg Dry Fuel	0,11	1,65
g/h	1,20	17,88
lb/MM Btu Output	0,02	0,23

Air/Fuel Ratio (A/F)	9,69

VERSION: 2,4 2010-04-15

Category III

ABC Laboratories, Inc.

Manufacturer:	Fröling
Model:	PE1 35 kW
Date:	18/09/2017
Run:	1
Control #:	
Test Duration:	163,366
Output Category:	Category III

Technicians: _____

Test Results in Accordance with CSA B415.1-10

	HHV Basis	LHV Basis	
Overall Efficiency	86,1%	92,7%	
Combustion Efficiency	99,5%	99,5%	
Heat Transfer Efficiency	87%	93,2%	
Output Rate (kJ/h)	85 703	81 298	**(Btu/h)**
Burn Rate (kg/h)	4,98	10,98	**(lb/h)**
Input (kJ/h)	99 545	94 429	**(Btu/h)**
Test Load Weight (dry kg)	13,56	29,88	**dry lb**
MC wet (%)	7		
MC dry (%)	7,53		
Particulate (g)	3,28		
CO (g)	18		
Test Duration (h)	2,72		

Emissions	**Particulate**	**CO**
g/MJ Output	0,01	0,08
g/kg Dry Fuel	0,24	1,33
g/h	1,20	6,63
lb/MM Btu Output	0,03	0,18

Air/Fuel Ratio (A/F)	12,89

VERSION: 2,4 2010-04-15

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Bilaga 12

Category II

ABC Laboratories, Inc.

Manufacturer:	Fröling
Model:	PE1 35 kW
Date:	15/09/2017
Run:	1
Control #:	
Test Duration:	163,366
Output Category:	Category II

Technicians: _____

Test Results in Accordance with CSA B415.1-10

	HHV Basis	LHV Basis	
Overall Efficiency	87,0%	93,6%	
Combustion Efficiency	99,5%	99,5%	
Heat Transfer Efficiency	87%	94,1%	
Output Rate (kJ/h)	44 539	42 250	**(Btu/h)**
Burn Rate (kg/h)	2,56	5,65	**(lb/h)**
Input (kJ/h)	51 214	48 582	**(Btu/h)**
Test Load Weight (dry kg)	6,98	15,37	**dry lb**
MC wet (%)	7		
MC dry (%)	7,53		
Particulate (g)	2,62		
CO (g)	8		
Test Duration (h)	2,72		

Emissions	**Particulate**	**CO**
g/MJ Output	0,02	0,07
g/kg Dry Fuel	0,38	1,15
g/h	0,96	2,95
lb/MM Btu Output	0,05	0,15

Air/Fuel Ratio (A/F)	16,30

VERSION: **2,4** **2010-04-15**

Category I

ABC Laboratories, Inc.

Manufacturer:	Fröling
Model:	PE1 35 kW
Date:	14/09/2017
Run:	1
Control #:	
Test Duration:	163,366
Output Category:	Category I

Technicians: _____

Test Results in Accordance with CSA B415.1-10

	HHV Basis	LHV Basis	
Overall Efficiency	87,2%	93,9%	
Combustion Efficiency	99,5%	99,5%	
Heat Transfer Efficiency	88%	94,4%	
Output Rate (kJ/h)	30 455	28 890	**(Btu/h)**
Burn Rate (kg/h)	1,75	3,85	**(lb/h)**
Input (kJ/h)	34 906	33 112	**(Btu/h)**
Test Load Weight (dry kg)	4,75	10,48	**dry lb**
MC wet (%)	7		
MC dry (%)	7,53		
Particulate (g)	2,62		
CO (g)	9		
Test Duration (h)	2,72		

Emissions	**Particulate**	**CO**
g/MJ Output	0,03	0,11
g/kg Dry Fuel	0,55	1,84
g/h	0,96	3,21
lb/MM Btu Output	0,07	0,24

Air/Fuel Ratio (A/F)	17,99

VERSION: **2,4** **2010-04-15**

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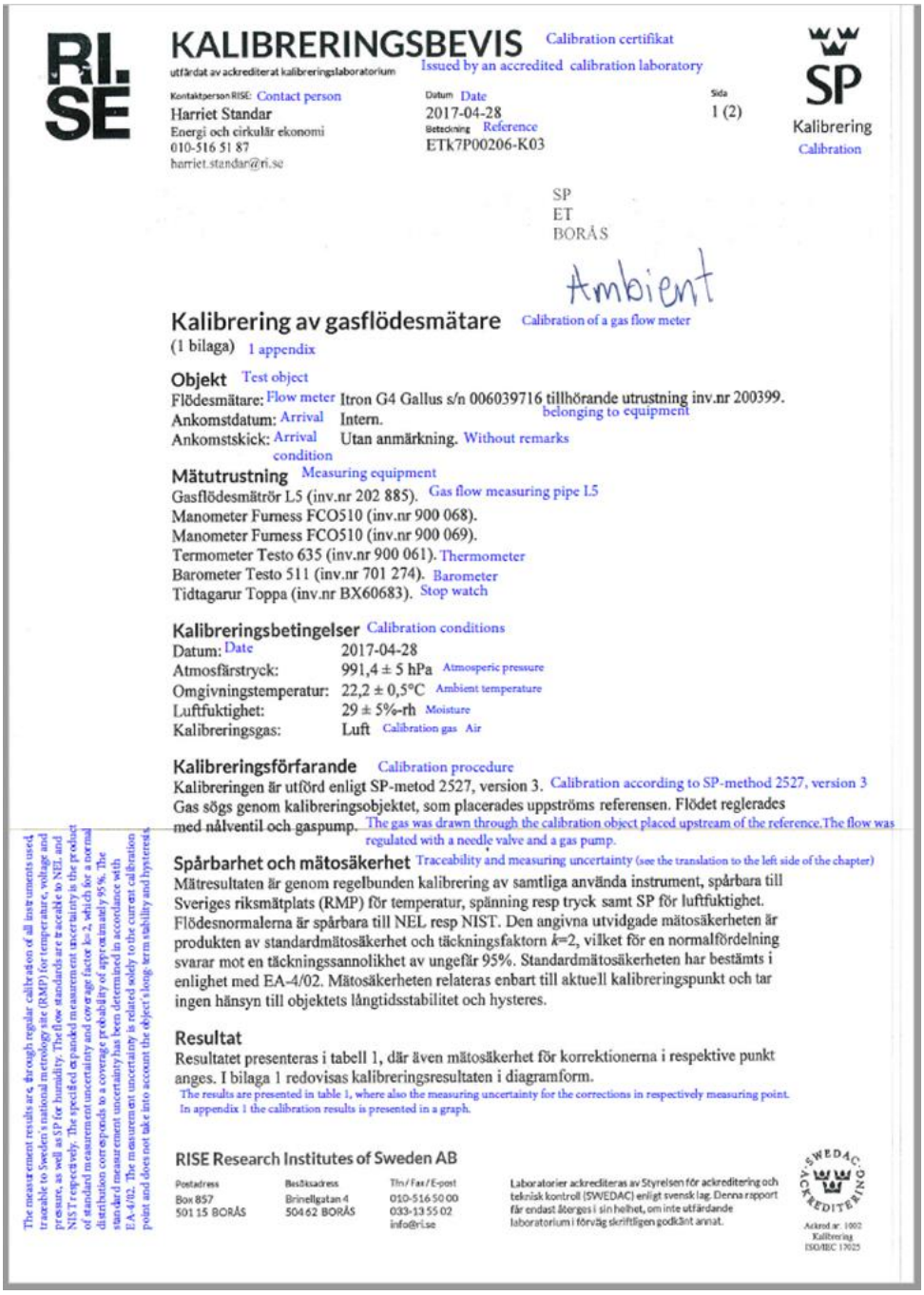
Bilaga 13

Calibrations

Ambient gas flow meter



KALIBRERINGSBEVIS Calibration certifikat
utfärdat av ackrediterat kalibreringslaboratorium Issued by an accredited calibration laboratory

Kontaktperson RISE: Contact person
Harriet Standar
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010-516 51 87
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Datum Date
2017-04-28
Beteckning Reference
ETk7P00206-K03

Sida
1 (2)

SP Kalibrering
Calibration

SP
ET
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Ambient

Kalibrering av gasflödesmätare Calibration of a gas flow meter
(1 bilaga) 1 appendix

Objekt Test object
Flödesmätare: Flow meter Itron G4 Gallus s/n 006039716 tillhörande utrustning inv.nr 200399.
Ankomstdatum: Arrival Intern. belonging to equipment
Ankomstskick: Arrival condition Utan anmärkning. Without remarks

Mätutrustning Measuring equipment
Gasflödesmätrör L5 (inv.nr 202 885). Gas flow measuring pipe L5
Manometer Furness FCO510 (inv.nr 900 068).
Manometer Furness FCO510 (inv.nr 900 069).
Termometer Testo 635 (inv.nr 900 061). Thermometer
Barometer Testo 511 (inv.nr 701 274). Barometer
Tidtagarur Toppa (inv.nr BX60683). Stop watch

Kalibreringsbetingelser Calibration conditions
Datum: Date 2017-04-28
Atmosfärstryck: 991,4 ± 5 hPa Atmosperic pressure
Omgivningstemperatur: 22,2 ± 0,5°C Ambient temperature
Luftfuktighet: 29 ± 5%-rh Moisture
Kalibreringsgas: Luft Calibration gas Air

Kalibreringsförfarande Calibration procedure
Kalibreringen är utförd enligt SP-metod 2527, version 3. Calibration according to SP-method 2527, version 3
Gas sögs genom kalibreringsobjektet, som placerades uppströms referensen. Flödet reglerades med nålventil och gaspump. The gas was drawn through the calibration object placed upstream of the reference.The flow was regulated with a needle valve and a gas pump.

Spårbarhet och mätosäkerhet Traceability and measuring uncertainty (see the translation to the left side of the chapter)
Mätresultaten är genom regelbunden kalibrering av samtliga använda instrument, spårbara till Sveriges riksmätplats (RMP) för temperatur, spänning resp tryck samt SP för luftfuktighet. Flödesnormalerna är spårbara till NEL resp NIST. Den angivna utvidgade mätosäkerheten är produkten av standardmätosäkerhet och täckningsfaktorn k=2, vilket för en normalfördelning svarar mot en täckningssannolikhet av ungefär 95%. Standardmätosäkerheten har bestämts i enlighet med EA-4/02. Mätosäkerheten relateras enbart till aktuell kalibreringspunkt och tar ingen hänsyn till objektets långtidsstabilitet och hysteres.

Resultat
Resultatet presenteras i tabell 1, där även mätosäkerhet för korrektionerna i respektive punkt anges. I bilaga 1 redovisas kalibreringsresultaten i diagramform.
The results are presented in table 1, where also the measuring uncertainty for the corrections in respectively measuring point. In appendix 1 the calibration results is presented in a graph.

The measurement results are, through regular calibration of all instruments used, traceable to Sweden's national metrology site (RMP) for temperature, voltage and pressure, as well as SP for humidity. The flow standards are traceable to NEL and NIST respectively. The specified expanded measurement uncertainty is the product of standard measurement uncertainty and coverage factor k=2, which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard measurement uncertainty has been determined in accordance with EA-4/02. The measurement uncertainty is related solely to the current calibration point and does not take into account the object's long term stability and hysteresis.

RISE Research Institutes of Sweden AB

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		info@ri.se

Laboratorier ackrediteras av Styrelsen för ackreditering och teknisk kontroll (SWEDAC) enligt svensk lag. Denna rapport får endast återges i sin helhet, om inte utfärdande laboratorium i förväg skriftligen godkänt annat.

SWEDAC ACKREDITERING
Ackred nr. 1002
Kalibrering
ISO/IEC 17025

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Bilaga 13

KALIBRERINGSBEVIS
Calibration certificate

Datum Date 2017-04-28
Beteckning Reference ETk7P00206-K03

Sida 2 (2)

Tabell 1. *Kalibreringsresultat.* calibration results

Referens		Objekt Test object				
Verkligt flöde	Avläst volym	Avläst tid	Beräknat flöde	Korrektion		Mätosäkerhet
[m³/h]	[l]	[s]	[m³/h]	[m³/h]	[%]	[%]
0.181	20.0	405.1	0.178	0.003	1.6	± 1.1
0.367	40.0	395.8	0.364	0.003	0.9	± 0.96
0.770	80.0	375.3	0.767	0.002	0.3	± 0.93
1.492	160.0	387.2	1.488	0.005	0.3	± 0.92
2.846	300.0	383.2	2.818	0.028	1.0	± 0.92

Actual flow · Measured volume · Measured time · Calculated flow · Correction · Measurment uncertainty

Angivna gasflöden avser volymflöden in i objektet vid aktuella kalibreringsbetingelser
The specified gas flow refer to volume flow into the test object at current calibration conditions

$$\dot{V}_{Beräknat\ calculated} = \frac{V_{Avläst\ measured}}{t}$$

$$\dot{V}_{Verkligt\ actual} = \dot{V}_{Beräknat\ calculated} \cdot \left(1 + \frac{\dot{V}_{Korrektion\ correction}}{100}\right)$$

där where

$V_{Avläst}$ measured Avläst gasvolym Measured gas flow
t Avläst mättid Measured sample time
$\dot{V}_{Beräknat}$ calculated Beräknat volymflöde Calculated volume flow
$\dot{V}_{Korrektion}$ correct Korrektion vid beräknat volymflöde Correction at calculated volume flow
$\dot{V}_{Verkligt}$ actual Verkligt volymflöde Actual volume flow

RISE Research Institutes of Sweden AB
Energi och cirkulär ekonomi - Klimatisering och installationsteknik

Utfört av: Harriet Standar — Signed by: Harriet Standar, I am the author of this document, 2017-04-28 12:40:57 +02:00
Granskat av: Per Jacobsson — Signed by: Per Jacobsson, I have reviewed this document, 2017-04-28 18:56:12 +02:00

Harriet Standar

Per Jacobsson

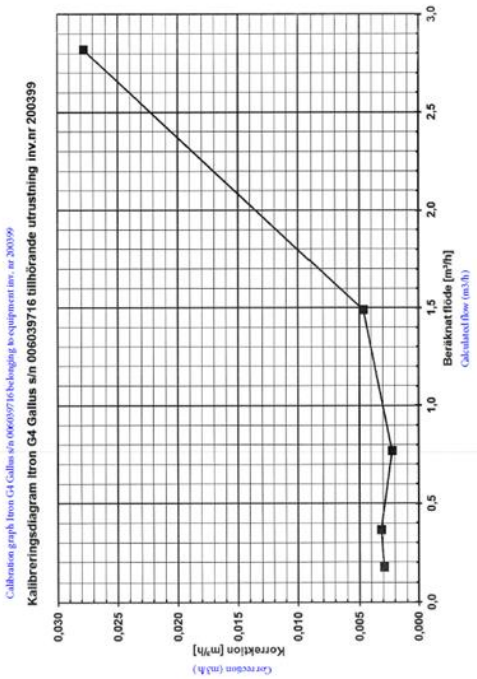
Bilaga
1 Kalibreringsdiagram Calibration diagram

KALIBRERINGSBEVIS
Calibration certificate

Datum Date 2017-04-28
Beteckning Reference ETk7P00206-K03

Sida 1 (1)

Bilaga 1 Appendix 1



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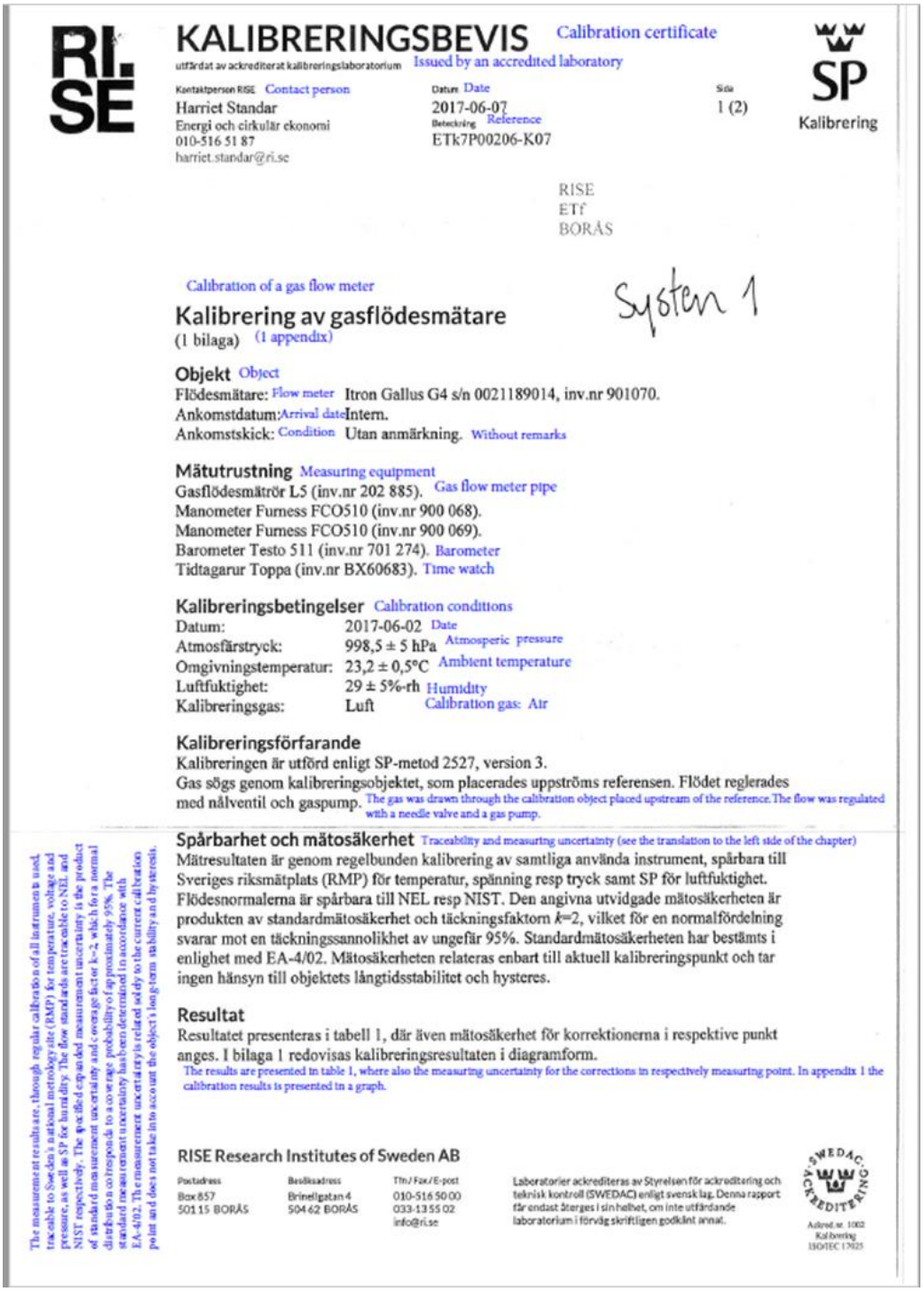
Bilaga 13

System 1 gas flow meter



KALIBRERINGSBEVIS Calibration certificate

utfärdat av ackrediterat kalibreringslaboratorium Issued by an accredited laboratory

SP Kalibrering

Kontaktperson RISE Contact person
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Datum Date
2017-06-07

Beteckning Reference
ETk7P00206-K07

Sida
1 (2)

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Calibration of a gas flow meter

Kalibrering av gasflödesmätare

System 1

(1 bilaga) (1 appendix)

Objekt Object

Flödesmätare: Flow meter Itron Gallus G4 s/n 0021189014, inv.nr 901070.
Ankomstdatum: Arrival date Intern.
Ankomstskick: Condition Utan anmärkning. Without remarks

Mätutrustning Measuring equipment

Gasflödesmätrör L5 (inv.nr 202 885). Gas flow meter pipe
Manometer Furness FCO510 (inv.nr 900 068).
Manometer Furness FCO510 (inv.nr 900 069).
Barometer Testo 511 (inv.nr 701 274). Barometer
Tidtagarur Toppa (inv.nr BX60683). Time watch

Kalibreringsbetingelser Calibration conditions

Datum:	2017-06-02	Date
Atmosfärstryck:	998,5 ± 5 hPa	Atmosperic pressure
Omgivningstemperatur:	23,2 ± 0,5°C	Ambient temperature
Luftfuktighet:	29 ± 5%-rh	Humidity
Kalibreringsgas:	Luft	Calibration gas: Air

Kalibreringsförfarande

Kalibreringen är utförd enligt SP-metod 2527, version 3.
Gas sögs genom kalibreringsobjektet, som placerades uppströms referensen. Flödet reglerades med nålventil och gaspump. The gas was drawn through the calibration object placed upstream of the reference. The flow was regulated with a needle valve and a gas pump.

Spårbarhet och mätosäkerhet Traceability and measuring uncertainty (see the translation to the left side of the chapter)

Mätresultaten är genom regelbunden kalibrering av samtliga använda instrument, spårbara till Sveriges riksmätplats (RMP) för temperatur, spänning resp tryck samt SP för luftfuktighet. Flödesnormalerna är spårbara till NEL resp NIST. Den angivna utvidgade mätosäkerheten är produkten av standardmätosäkerhet och täckningsfaktorn k=2, vilket för en normalfördelning svarar mot en täckningssannolikhet av ungefär 95%. Standardmätosäkerheten har bestämts i enlighet med EA-4/02. Mätosäkerheten relateras enbart till aktuell kalibreringspunkt och tar ingen hänsyn till objektets långtidsstabilitet och hysteres.

Resultat

Resultatet presenteras i tabell 1, där även mätosäkerhet för korrektionerna i respektive punkt anges. I bilaga 1 redovisas kalibreringsresultaten i diagramform.
The results are presented in table 1, where also the measuring uncertainty for the corrections in respectively measuring point. In appendix 1 the calibration results is presented in a graph.

The measurement results are, through regular calibration of all instruments used, traceable to Sweden's national metrology institute (RMP) for temperature, voltage and pressure, as well as SP for humidity. The flow standards are traceable to NEL and NIST respectively. The specified expanded measurement uncertainty is the product of standard measurement uncertainty and coverage factor k=2 which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard measurement uncertainty has been determined in accordance with EA-4/02. The measurement uncertainty is related solely to the current calibration point and does not take into account the object's long-term stability and hysteresis.

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Ackred.nr. 1002
Kalibrering
ISO/IEC 17025

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Bilaga 13

KALIBRERINGSBEVIS
Calibration certificate

Datum Date
2017-06-07
Beteckning Reference
ETk7P00206-K07

Sida
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Tabell 1. *Kalibreringsresultat.* Calibration results

Referens		Objekt Object				
Verkligt flöde	Avläst volym	Avläst tid	Beräknat flöde	Korrektion		Mätosäkerhet
[m³/h]	[l]	[s]	[m³/h]	[m³/h]	[%]	[%]
0,197	30	566,2	0,191	0,006	3,3	± 1,0
0,491	40	301,4	0,478	0,014	2,9	± 0,97
0,983	80	301,2	0,956	0,027	2,8	± 0,93
1,772	160	333,9	1,725	0,047	2,7	± 0,92
2,814	200	264,2	2,725	0,088	3,2	± 0,92
Actual flow	Measured volume	Measured time	Calculated flow	Corrections		Measurement uncertainty

Angivna gasflöden avser volymflöden in i objektet vid aktuella kalibreringsbetingelser
The specified gas flow refer to volume flow into the test object at current calibration conditions

$$\dot{V}_{Beräknat\ calculated} = \frac{V_{Avläst\ measured}}{t}$$

$$\dot{V}_{Verkligt\ Actual} = \dot{V}_{Beräknat\ calculated} \cdot \left(1 + \frac{\dot{V}_{Korrektion\ correction}}{100}\right)$$

där where

$V_{Avläst}$ Avläst gasvolym Measured gas volume
t Avläst mättid Measured time
$\dot{V}_{Beräknat}$ Beräknat volymflöde Calculated volume flow
$\dot{V}_{Korrektion}$ Korrektion vid beräknat volymflöde Correction at calculated
$\dot{V}_{Verkligt}$ Verkligt volymflöde Actual volume flow

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Energi och cirkulär ekonomi - Klimatisering och installationsteknik

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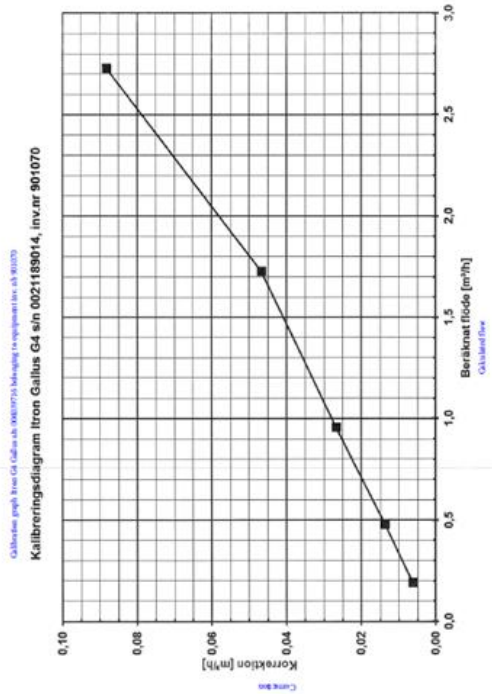
Bilaga
1 Kalibreringsdiagram Calibration graph

KALIBRERINGSBEVIS
Calibration certificate

Datum Date
2017-06-07
Beteckning Reference
ETk7P00206-K07

Sida
1 (1)

Bilaga 1 Appendix 1



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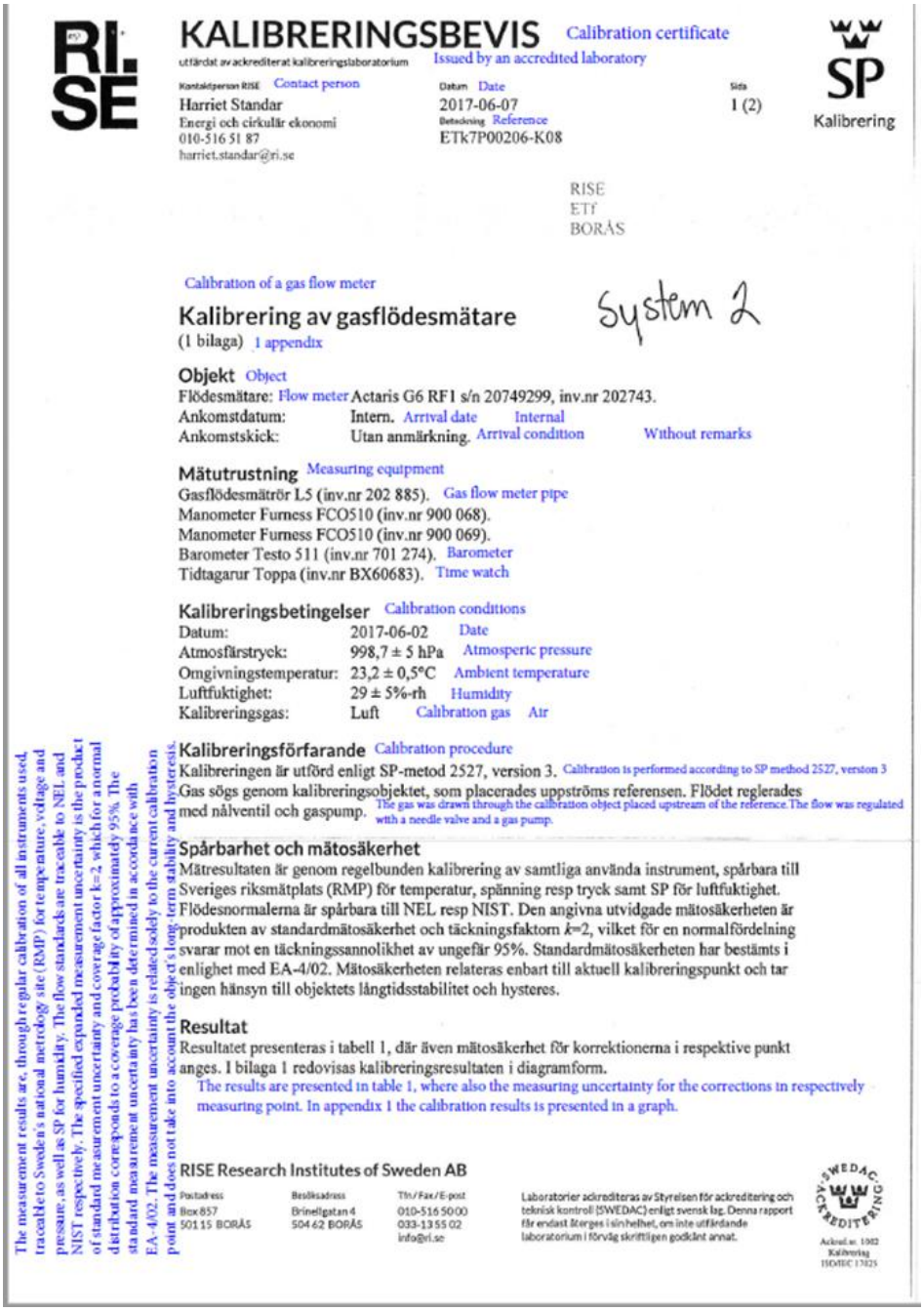
Bilaga 13

System 2 gas flow meter



KALIBRERINGSBEVIS Calibration certificate

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SP Kalibrering

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1 (2)

Beteckning Reference
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Calibration of a gas flow meter

Kalibrering av gasflödesmätare System 2

(1 bilaga) 1 appendix

Objekt Object

Flödesmätare: Flow meter Actaris G6 RF1 s/n 20749299, inv.nr 202743.
Ankomstdatum: Intern. Arrival date Internal
Ankomstskick: Utan anmärkning. Arrival condition Without remarks

Mätutrustning Measuring equipment

Gasflödesmätrör L5 (inv.nr 202 885). Gas flow meter pipe
Manometer Furness FCO510 (inv.nr 900 068).
Manometer Furness FCO510 (inv.nr 900 069).
Barometer Testo 511 (inv.nr 701 274). Barometer
Tidtagarur Toppa (inv.nr BX60683). Time watch

Kalibreringsbetingelser Calibration conditions

Datum:	2017-06-02	Date
Atmosfärstryck:	998,7 ± 5 hPa	Atmosperic pressure
Omgivningstemperatur:	23,2 ± 0,5°C	Ambient temperature
Luftfuktighet:	29 ± 5%-rh	Humidity
Kalibreringsgas:	Luft	Calibration gas Air

Kalibreringsförfarande Calibration procedure

Kalibreringen är utförd enligt SP-metod 2527, version 3. Calibration is performed according to SP method 2527, version 3
Gas sögs genom kalibreringsobjektet, som placerades uppströms referensen. Flödet reglerades med nålventil och gaspump. The gas was drawn through the calibration object placed upstream of the reference. The flow was regulated with a needle valve and a gas pump.

Spårbarhet och mätosäkerhet

Mätresultaten är genom regelbunden kalibrering av samtliga använda instrument, spårbara till Sveriges riksmätplats (RMP) för temperatur, spänning resp tryck samt SP för luftfuktighet. Flödesnormalerna är spårbara till NEL resp NIST. Den angivna utvidgade mätosäkerheten är produkten av standardmätosäkerhet och täckningsfaktorn k=2, vilket för en normalfördelning svarar mot en täckningssannolikhet av ungefär 95%. Standardmätosäkerheten har bestämts i enlighet med EA-4/02. Mätosäkerheten relateras enbart till aktuell kalibreringspunkt och tar ingen hänsyn till objektets långtidsstabilitet och hysteres.

Resultat

Resultatet presenteras i tabell 1, där även mätosäkerhet för korrektionerna i respektive punkt anges. I bilaga 1 redovisas kalibreringsresultaten i diagramform.
The results are presented in table 1, where also the measuring uncertainty for the corrections in respectively measuring point. In appendix 1 the calibration results is presented in a graph.

The measurement results are, through regular calibration of all instruments used, traceable to Sweden's national metrology site (RMP) for temperature, voltage and pressure, as well as SP for humidity. The flow standards are traceable to NEL and NIST respectively. The specified expanded measurement uncertainty is the product of standard measurement uncertainty and coverage factor k=2 which for a normal distribution corresponds to a coverage probability of approximately 95%. The standard measurement uncertainty has been determined in accordance with EA-4/02. The measurement uncertainty is related solely to the current calibration point and does not take into account the object's long term stability and hysteresis.

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Bilaga 13

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Datum Date
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Sida
2 (2)

Tabell 1. *Kalibreringsresultat.* Table 1. Calibration results

Referens		Objekt Object				
Verkligt flöde	Avläst volym	Avläst tid	Beräknat flöde	Korrektion		Mätosäkerhet
[m³/h]	[l]	[s]	[m³/h]	[m³/h]	[%]	[%]
0,196	20	363,1	0,198	-0,002	-1,0	± 1,2
0,485	40	294,0	0,490	-0,005	-0,9	± 0,96
0,980	80	291,3	0,989	-0,008	-0,9	± 1,1
1,686	140	297,7	1,693	-0,007	-0,4	± 0,93
2,813	200	257,4	2,797	0,016	0,6	± 0,92

Actual flow · Measured volume · Measured time · Calculated flow · Corrections · Measuring uncertainty

Angivna gasflöden avser volymflöden in i objektet vid aktuella kalibreringsbetingelser
The specified gas flow refer to volume flow into the test object at current calibration conditions

$$\dot{V}_{Beräknat\ (Calculated)} = \frac{V_{Avläst\ (Measured)}}{t}$$

$$\dot{V}_{Verkligt\ (Actual)} = \dot{V}_{Beräknat\ (calculated)} \cdot \left(1 + \frac{\dot{V}_{Korrektion\ (correction)}}{100}\right)$$

där Where

$V_{Avläst}$ Avläst gasvolym Measured gas volume
t Avläst mättid Measured time
$\dot{V}_{Beräknat}$ Beräknat volymflöde Calculated volume flow
$\dot{V}_{Korrektion}$ Korrektion vid beräknat volymflöde Correction at calculated volume flow
$\dot{V}_{Verkligt}$ Verkligt volymflöde Actual volume flow

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Harriet Standar
Per Jacobsson

Bilaga
1 Kalibreringsdiagram Calibration graph

KALIBRERINGSBEVIS
Calibration certificate

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Beteckning Reference
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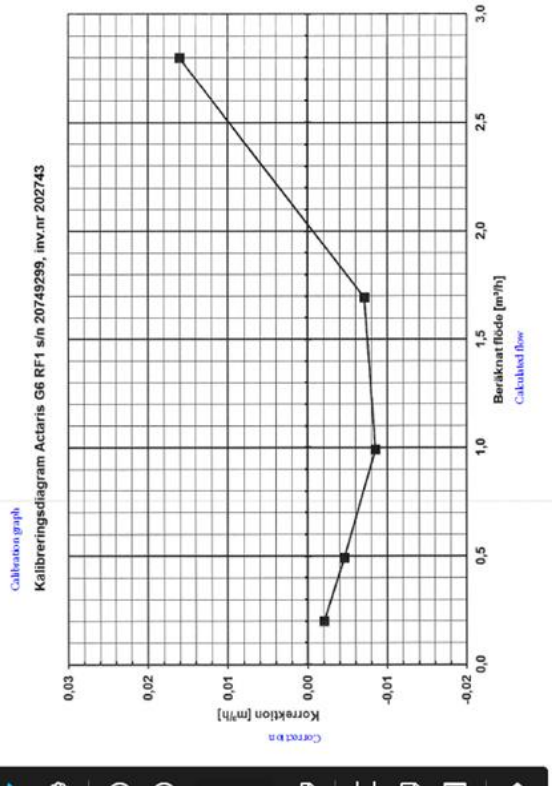
1 (1)

Bilaga 1 Appendix 1



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Pitot tube

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2017-08-28

Beteckning
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1 (2)

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Calibration of Pitot tube

Kalibrering av lufthastighetsgivare

(1 bilaga) 1 appendix

Objekt Object

Lufthastighetsgivare:	Prandtlrör inv.nr 202393.	Pitot tube	Prandtl tube inv.nr 202393
Ankomstdatum:	intern	Arrival date	Internal
Ankomstskick:	Utan anmärkning	Arrival condition	Without remarks

Utrustning Equipment

Referens: Reference	Lufthastighetsrigg SP 1 Invnr 201544	Test rig SP 1 inv. nr. 201544
Övrig utrustning: Additional equipment	FCO 510, Invnr 201385	
	Testo 610, Invnr 201391	
	Druck DPI 260, Invnr 201637	
	PPC 500, Invnr 202521	

Kalibreringsbetingelser Calibration condition

Datum:	2017-08-28	Date
Atmosfärstryck:	998 ± 5 hPa	Atmosperic pressure
Omgivningstemperatur:	21,6 ± 0,5°C	Ambient temperature
Luftfuktighet:	54 ± 5%-rh	Humidity

Kalibreringsförfarande Calibration procedure

Kalibreringen är utförd enligt metod NT VVS 018-2, utgåva 2, frånsett under 6.4 specificerade hastighetsintervall. The calibration is performed according to NT VVS 018-2, version 2, except under 6.4 specified flow

Resultat Results

Kalibreringsresultatet redovisas i tabell 1, samt i diagram i bilaga 1. Resultatet gäller endast det kalibrerade objektet. Calibration results is shown in table 1 and in graph in appendix 1.The results are valid for the test object only.

Verkligt värde = beräknat värde + korrektion.
Actual value = calculated value + correction

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SWEDAC Ackrediterad Kalibrering ISO/IEC 17025

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Bilaga 13

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Calibration certificate

Datum Date 2017-08-28
Beteckning Reference ETk7P00206-K10

Sida 2 (2)

Tabell 1 Table 1

Kalibreringsresultat Calibration results

Referens	Objekt Object				
Verklig hastighet	Avläst tryck	Aktuell densitet	Beräknad hastighet*	Korrektion*	Mätosäkerhet
(m/s)	(Pa)	(kg/m³)	(m/s)	(m/s)	(m/s)
1,95	2,3	1,176	1,98	-0,03	± 0,25
2,97	5,1	1,176	2,95	0,01	± 0,21
4,01	9,4	1,176	4,01	0,00	± 0,19
5,03	14,7	1,176	5,01	0,01	± 0,21
6,07	21,4	1,176	6,05	0,02	± 0,25
7,04	28,9	1,176	7,03	0,01	± 0,28
8,02	37,3	1,176	7,99	0,03	± 0,33

*Beräknad hastighet gäller vid aktuell densiteten och k-faktorn 1,42.
Calcualted flow is valid at density and k-factor 1.42.

Beräknad hastighet har erhållits ur nedanstående formel:
The flow has been calculated according to the formula:

$$v = k \cdot \sqrt{\frac{\Delta p}{\rho}}$$

där

v	Lufthastighet	[m/s]	Air speed
k	K-faktor	[-]	K-factor
ρ	Luftdensitet	[kg/m³]	Air density
Δp	Dynamiskt tryck	[Pa]	Dynamic pressure

Mätosäkerhet och spårbarhet

Mätosäkerheten beräknad enligt EA-4/02, med täckningsfaktorn k=2. Mätosäkerheten relateras enbart till aktuell kalibreringspunkt och tar ingen hänsyn till objektets långtidsstabilitet och hysteres. Mätresultaten är genom regelbunden kalibrering av samtliga använda instrument, spårbara till Sveriges riksmätplats (RMP) för tryck, temperatur, längd, spänning resp tid samt SP för luftfuktighet.

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Utfört av: Fredrik Niklasson

Granskat av: Per Jacobsson

T The flow standards are traceable to NEL and NIST respectively. The specified expanded measurement uncertainty is the product of standard measurement uncertainty and coverage factor k=2, which for a normal distribution corresponds to acoverage probability of approximately 95%. The standard measurement uncertainty has been determined in accordance with EA-4/02. The measurement uncertainty is related solely to the current calibration point and does not take into account the object's long-term stability and hysteresis.

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Bilaga 13

Flow meter load side

Load side

201 655 Valmet 9V MP115 55°C 170427.xlsx

Flow meter Reference: Flow calibrator inv. nr 200 083 Date

FLÖDESMÄTARE:	Valmet 9V MP115	Inv.nr.	201 655	DATUM:	2017-04-27				SIGN.:	MJ
	Normal: Flödeskalibrator Inv.nr. 200 083								Measurement	Notes

TEMP. °C	PULSER Puls st	TID Time s	MASSA Weight kg	DENSITET Density kg/m3	VOLYM Volume dm3	Actual flow VERKL. FLÖDE m3/h	Nominal meter factor NOM. MÄTAR-KONSTANT pulser/dm3	Measured flow UPPMÄTT FLÖDE m3/h	Correction KORREKTION %	Correction KORREKTION m3/h	MÄT-OSÄKERHET %	NOTERINGAR
53,7	292484	598,4	50,45	986,3	51,21	0,308	5760	0,305	0,85	0,0026	0,21	Flyande start
53,8	291397	596,2	50,27	986,3	51,03	0,308	5760	0,305	0,87	0,0027	0,22	Running start
54,0	292491	598,2	50,45	986,2	51,22	0,308	5760	0,306	0,86	0,0026	0,22	
						0,308		0,306	0,86	0,0026		
54,3	578225	589,4	99,87	986,0	101,40	0,619	5760	0,613	1,01	0,0062	0,22	Flyande start
54,3	586224	597,6	101,26	986,1	102,81	0,619	5760	0,613	1,01	0,0062	0,22	Running start
54,3	582853	594,2	100,65	986,0	102,19	0,619	5760	0,613	0,99	0,0060	0,22	
						0,619		0,613	1,00	0,0061		
54,9	588506	354,4	101,45	985,8	103,03	1,047	5760	1,038	0,84	0,0087	0,23	Flyande start
55,0	587259	353,7	101,15	985,7	102,73	1,046	5760	1,038	0,76	0,0079	0,24	Running start
55,0	590079	355,8	101,71	985,7	103,30	1,045	5760	1,037	0,84	0,0087	0,23	
						1,046		1,037	0,81	0,0084		
54,9	592044	244,1	101,92	985,7	103,51	1,526	5760	1,516	0,70	0,0106	0,25	Flyande start
54,9	595489	245,9	102,55	985,7	104,15	1,525	5760	1,513	0,74	0,0112	0,26	Running start
55,0	592213	244,8	102,02	985,7	103,61	1,523	5760	1,512	0,77	0,0117	0,23	
						1,525		1,514	0,74	0,0112		
55,9	599401	185,2	103,16	985,3	104,82	2,038	5760	2,023	0,72	0,0147	0,32	Flyande start
55,8	595980	184,0	102,56	985,3	104,21	2,038	5760	2,024	0,71	0,0145	0,26	Running start
55,7	595763	184,1	102,56	985,3	104,20	2,037	5760	2,022	0,75	0,0151	0,25	
						2,038		2,023	0,73	0,0147		
55,4	598009	151,5	102,95	985,5	104,58	2,485	5760	2,467	0,73	0,0181	0,22	Flyande start
55,5	595935	151,1	102,62	985,4	104,25	2,484	5760	2,465	0,76	0,0188	0,23	Running start
55,6	597018	151,4	102,77	985,4	104,41	2,483	5760	2,465	0,73	0,0181	0,23	
						2,484		2,466	0,74	0,0183		

Mätosäkerhet för normalen ±0,3% vid normala tillämpningar. Se ETL-QD annex DB1.

Measuring uncertainty for the reference +/- 0.3 % at normal conditions

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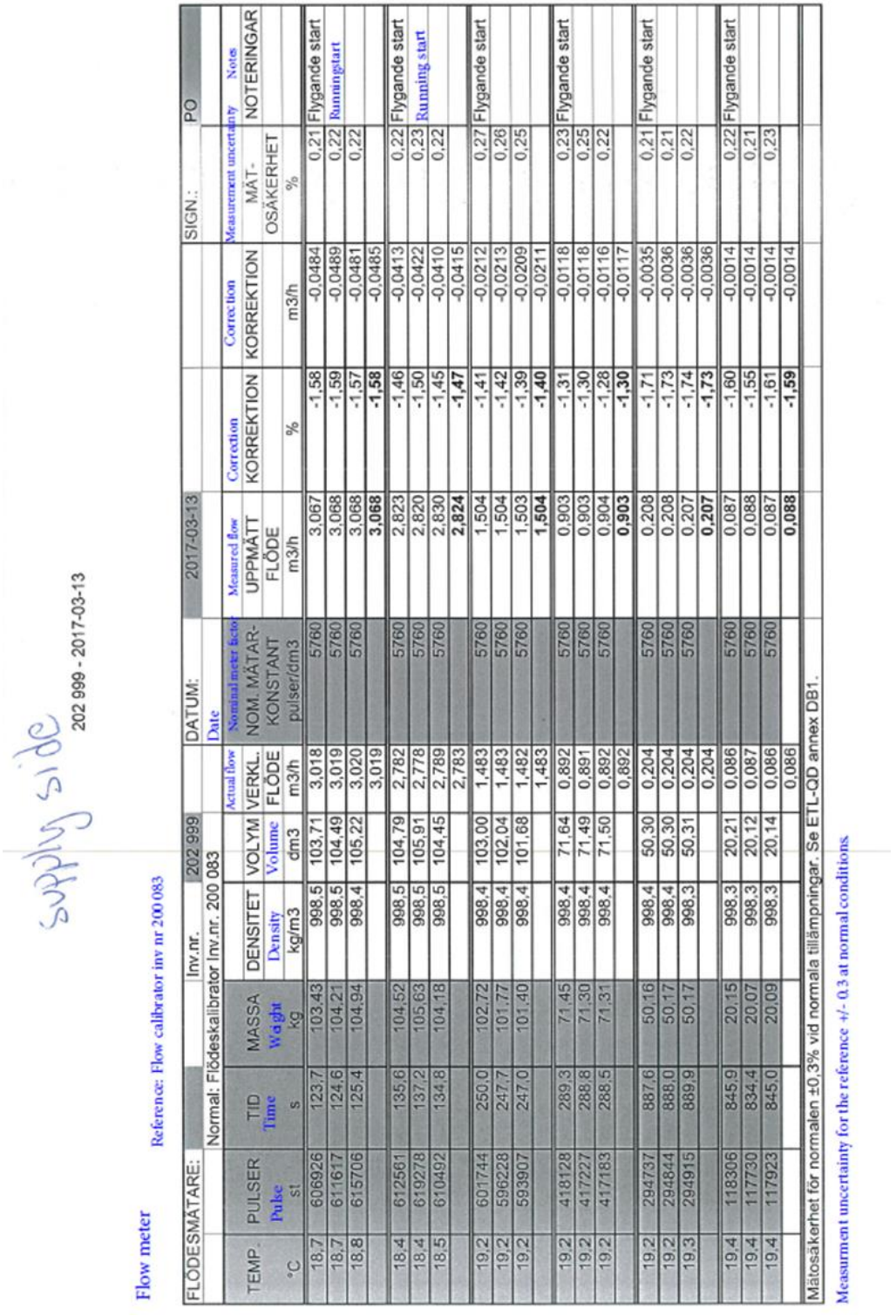
Bilaga 13

Flow meter supply side



Flow meter supply side

202 999 - 2017-03-13

Reference: Flow calibrator inv nr 200 083

FLÖDESMÄTARE:			Inv.nr. 202 999				DATUM: 2017-03-13					SIGN.: PO	
	Normal: Flödeskalibrator Inv.nr. 200 083					Actual flow	Date	Measured flow	Correction	Correction	Measurement uncertainty	Notes	
TEMP. °C	PULSER Pulse st	TID Time s	MASSA Weight kg	DENSITET Density kg/m3	VOLYM Volume dm3	VERKL. FLÖDE m3/h	NOM. MÄTAR-KONSTANT pulser/dm3	UPPMÄTT FLÖDE m3/h	KORREKTION %	KORREKTION m3/h	MÄT-OSÄKERHET %	NOTERINGAR	
18,7	606926	123,7	103,43	998,5	103,71	3,018	5760	3,067	-1,58	-0,0484	0,21	Flygande start	
18,7	611617	124,6	104,21	998,5	104,49	3,019	5760	3,068	-1,59	-0,0489	0,22	Runningtart	
18,8	615706	125,4	104,94	998,4	105,22	3,020	5760	3,068	-1,57	-0,0481	0,22		
						3,019		**3,068**	**-1,58**	-0,0485			
18,4	612561	135,6	104,52	998,5	104,79	2,782	5760	2,823	-1,46	-0,0413	0,22	Flygande start	
18,4	619278	137,2	105,63	998,5	105,91	2,778	5760	2,820	-1,50	-0,0422	0,23	Running start	
18,5	610492	134,8	104,18	998,5	104,45	2,789	5760	2,830	-1,45	-0,0410	0,22		
						2,783		**2,824**	**-1,47**	-0,0415			
19,2	601744	250,0	102,72	998,4	103,00	1,483	5760	1,504	-1,41	-0,0212	0,27	Flygande start	
19,2	596228	247,7	101,77	998,4	102,04	1,483	5760	1,504	-1,42	-0,0213	0,26		
19,2	593907	247,0	101,40	998,4	101,68	1,482	5760	1,503	-1,39	-0,0209	0,25		
						1,483		**1,504**	**-1,40**	-0,0211			
19,2	418128	289,3	71,45	998,4	71,64	0,892	5760	0,903	-1,31	-0,0118	0,23	Flygande start	
19,2	417227	288,8	71,30	998,4	71,49	0,891	5760	0,903	-1,30	-0,0118	0,25		
19,2	417183	288,5	71,31	998,4	71,50	0,892	5760	0,904	-1,28	-0,0116	0,22		
						0,892		**0,903**	**-1,30**	-0,0117			
19,2	294737	887,6	50,16	998,4	50,30	0,204	5760	0,208	-1,71	-0,0035	0,21	Flygande start	
19,2	294844	888,0	50,17	998,4	50,30	0,204	5760	0,208	-1,73	-0,0036	0,21		
19,3	294915	889,9	50,17	998,3	50,31	0,204	5760	0,207	-1,74	-0,0036	0,22		
						0,204		**0,207**	**-1,73**	-0,0036			
19,4	118306	845,9	20,15	998,3	20,21	0,086	5760	0,087	-1,60	-0,0014	0,22	Flygande start	
19,4	117730	834,4	20,07	998,3	20,12	0,087	5760	0,088	-1,55	-0,0014	0,21		
19,4	117923	845,0	20,09	998,3	20,14	0,086	5760	0,087	-1,61	-0,0014	0,23		
						0,086		**0,088**	**-1,59**	-0,0014			

Mätosäkerhet för normalen ±0,3% vid normala tillämpningar. Se ETL-QD annex DB1.

Measurment uncertainty for the reference +/- 0,3 at normal conditions

Transaction 09222115557487030913 Signed HP, MJ

Bilaga 14

Filter weights

Filters:

Test run (Cat:)	Filter nr. Train nr.	Pre-weight 1 g	**Pre-weight 2 g +6 hour**	Post-weight 1 g	**Post-weight 2 g +6 hour**	Total weight g
IV	AF1 (filter) Ambient	0.1284	**0.1285**	0.1286	**0.1286**	+0.0001
IV	F1, train 1 (front/back)	0.1281/0.1270	**0.1280/0.1270**	0.1306/0.1271	**0.1305/0.1270**	+0.0025
IV	F2, train 2 (1 hour) (front/back)	0.1257/0.1277	**0.1256/0.1277**	0.1259/0.1277	**0.1259/0.1277**	+0.0003
IV	F3, train 3 (front/back)	0.1281/0.1276	**0.1281/0.1276**	0.1307/0.1276	**0.1307/0.1276**	+0.0026
III	AF2 (filter) Ambient	0.1284	**0.1284**	0.1285	**0.1284**	0
III	F4, train 1 (front/back)	0.1283/0.1279	**0.1283/0.1279**	0.1298/0.1279	**0.1298/0.1279**	+0.0015
III	F5,train 2 (1 hour) (front/back)	0.1278/0.1277	**0.1278/0.1278**	0.1282/0.1277	**0.1282/0.1278**	+0.0004
III	F6, train 3 (front/back)	0.1291/0.1265	**0.1291/0.1266**	0.1302/0.1266	**0.1302/0.1266**	+0.0011
II	AF3 (filter) Ambient	0.1272	**0.1272**	0.1272	**0.1272**	0
II	F7, train 1 (front/back)	0.1281/0.1278	**0.1282/0.1278**	0.1287/0.1278	**0.1287/0.1278**	+0.0005
II	F8, train 2 (1 hour) (front/back)	0.1277/0.1273	**0.1276/0.1274**	0.1278/0.1274	**0.1278/0.1274**	+0.0002
II	F9, train 3 (front/back)	0.1289/0.1282	**0.1289/0.1282**	0.1293/0.1282	**0.1293/0.1282**	+0.0004
I	AF4 Ambient	0.1274	**0.1274**	0.1274	**0.1274**	0
I	F10, train 1 (front/back)	0.1261/0.1291	**0.1263/0.1291**	0.1268/0.1292	**0.1268/0.1292**	+0.0006
I	F11, train 2 (1 hour) (front/back)	0.1289/0.1282	**0.1289/0.1282**	0.1292/0.1282	**0.1292/0.1282**	+0.0003
I	F12, train 3 (front/back)	0.1289/0.1286	**0.1289/0.1287**	0.1293/0.1287	**0.1293/0.1287**	+0.0004

Transaction 09222115557487030913 Signed HP, MJ

Bilaga 14

Gaskets:

Test run (Cat)	Gasket nr. Train nr.	Pre-weight 1 g	**Pre-weight 2 g +6 hour**	Post-weight 1 g	**Post-weight 2 g +6 hour**	Total weight g
IV	AG1 Ambient	161.1339	**161.1340**	161.1340	**161.1340**	0
IV	G1, train 1	161.5587	**161.5588**	161.5588	**161.5588**	0
IV	G2, train 2 (1 hour)	161.1346	**161.1346**	161.1345	**161.1346**	0
IV	G3, train 3	161.1240	**161.1240**	161.1240	**161.1240**	0
III	AG2 Ambient	161.1340	**161.1339**	161.1339	**161.1339**	0
III	G4, train 1	161.5574	**161.5574**	161.5573	**161.5574**	0
III	G5, train 2 (1 hour)	161.1334	**161.1335**	161.1335	**161.1335**	0
III	G6, train 3	161.1241	**161.1242**	161.1240	**161.1242**	0
II	AG3 Ambient	161.1340	**161.1340**	161.1338	**161.1340**	0
II	G7, train 1	161.5577	**161.5577**	161.5578	**161.5577**	0
II	G8, train 2 (1 hour)	161.1343	**161.1343**	161.1342	**161.1343**	0
II	G9, train 3	161.1240	**161,1241**	161.1242	**161.1241**	0
I	AG4 Ambient	161.1341	**161.1341**	161.1340	**161.1341**	0
I	G10, train 1	161.5574	**161.5575**	161.5577	**161.5577**	+0.0002
I	G11, train 2 (1 hour)	161.1334	**161.1334**	161.1335	**161.1335**	+0.0001
I	G12, train 3	161.1242	**161.1242**	161.1241	**161.1242**	0

Probe:

Test run (Cat)	Train nr.	Pre-weight 1 g	**Pre-weight 2 g +6 hour**	Post-weight 1 g	**Post-weight 2 g +6 hour**	Total weight g
IV	R1 Train 1	85.2979	**85.2980**	85.2980	**85.2980**	0
IV	R2 (1 hour) Train 2	84.8155	**84.8155**	84.8154	**84.8155**	0
IV	R3 Train 3	84.8149	**84.8149**	84.8150	**84.8149**	0
III	R4 Train 1	85.2979	**85.2979**	85.2980	**85.2979**	0
III	R5 (1 hour) Train 2	84.8156	**84.8156**	84.8155	**84.8156**	0
III	R6 Train 3	84.8140	**84.8140**	84.8143	**84.8144**	+0.0004

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Bilaga 14

II	R7 Train 1	85.2955	**85.2955**	85.2954	**85.2955**	0
II	R8 (1 hour) Train 2	84.8160	**84.8160**	84.8159	**84.8160**	0
II	R9 Train 3	84.8147	**84.8148**	84.8148	**84.8148**	0
I	R10 Train 1	85.2971	**85.2971**	85.2974	**85.2975**	+0.0004
I	R11 (1 hour) Train 2	84.8139	**84.8140**	84.8140	**84.8140**	0
I	R12 Train 3	84.8149	**84.8150**	84.8150	**84.8150**	0

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Bilaga 15

Raw data including pre-burn

Transaction 09222115557487030913 Signed HP, MJ

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

Configuration file: C:\Data collection\Configuration\EPA testing.KONF
Saved: 2017-09-13 09:31
In plain text: 2017-09-13 09:31

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
0,211	0,199	0,201	0,491	-0,003	0,382	19,008	19,407	6,645	113,019	24,812	20,107	20,087	20,492	19,765	58,453	45,133	55,152
0,334	0,199	0,202	0,491	-0,004	0,374	19,012	19,414	20,479	109,577	2,099	20,091	20,078	20,493	19,765	58,653	45,298	55,231
0,500	0,199	0,202	0,490	-0,003	0,377	19,013	19,425	27,072	114,687	19,515	20,111	20,098	20,499	19,768	58,846	45,406	55,211
0,667	0,199	0,202	0,491	-0,007	0,375	19,025	19,442	29,485	118,215	23,512	20,117	20,078	20,484	19,764	59,016	44,720	54,898
0,834	0,199	0,202	0,490	-0,001	0,370	19,041	19,392	31,890	123,222	24,116	20,125	20,086	20,492	19,771	58,992	44,852	55,020
1,000	0,199	0,202	0,490	-0,003	0,376	19,039	19,409	26,372	131,031	37,030	20,112	20,091	20,497	19,768	58,969	44,790	54,881
1,167	0,199	0,202	0,490	-0,003	0,382	19,060	19,405	13,405	130,939	26,501	20,113	20,090	20,480	19,765	59,748	44,144	54,195
1,334	0,199	0,202	0,490	-0,004	0,381	19,120	19,385	9,532	134,947	23,847	20,116	20,102	20,501	19,772	59,640	44,156	54,451
1,500	0,199	0,202	0,490	-0,003	0,379	19,107	19,374	10,182	134,043	16,228	20,111	20,099	20,507	19,775	59,830	44,217	54,690
1,667	0,199	0,202	0,490	-0,003	0,378	19,076	19,369	10,547	139,387	21,394	20,114	20,094	20,492	19,771	59,984	44,334	54,887
1,834	0,199	0,202	0,489	-0,003	0,387	19,064	19,362	10,921	136,021	26,681	20,124	20,099	20,500	19,775	60,121	44,603	55,051
2,000	0,199	0,201	0,489	-0,003	0,372	19,053	19,375	22,389	129,604	6,658	20,107	20,108	20,492	19,773	60,136	44,703	55,184
2,167	0,199	0,201	0,490	-0,004	0,385	19,034	19,403	14,670	130,350	29,954	20,128	20,095	20,501	19,775	60,125	44,917	55,227
2,334	0,199	0,201	0,489	-0,004	0,374	19,029	19,391	8,758	128,444	26,176	20,125	20,103	20,499	19,776	60,592	44,926	55,267
2,500	0,199	0,201	0,489	-0,003	0,385	19,017	19,404	-7,332	136,823	15,787	20,120	20,104	20,501	19,773	60,121	45,059	55,463
2,667	0,199	0,201	0,489	-0,004	0,379	19,000	19,400	20,105	144,629	13,264	20,131	20,105	20,503	19,779	60,598	45,442	55,534
2,833	0,199	0,202	0,489	-0,004	0,375	18,985	19,343	17,806	135,546	37,773	20,127	20,099	20,507	19,775	60,973	45,602	55,705
3,000	0,199	0,202	0,489	-0,003	0,371	18,983	19,412	8,469	136,839	21,741	20,135	20,102	20,504	19,779	60,781	45,856	55,989
3,167	0,199	0,202	0,488	-0,004	0,381	18,958	19,392	18,124	116,302	9,166	20,121	20,095	20,490	19,775	60,731	46,113	56,099
3,333	0,199	0,201	0,488	-0,003	0,382	18,996	19,399	23,445	114,565	31,107	20,127	20,108	20,495	19,779	60,879	46,369	56,251
3,500	0,199	0,202	0,488	-0,003	0,381	19,003	19,402	10,517	116,448	27,451	20,124	20,111	20,498	19,781	60,873	46,456	56,330
3,667	0,199	0,202	0,488	-0,004	0,375	19,008	19,419	15,130	111,401	13,277	20,121	20,102	20,499	19,775	60,924	46,548	56,282
3,833	0,199	0,202	0,488	-0,003	0,378	19,033	19,424	14,129	114,393	22,663	20,120	20,118	20,512	19,779	61,306	46,559	56,345
4,000	0,199	0,202	0,488	-0,003	0,378	19,024	19,377	8,353	121,377	40,919	20,146	20,123	20,500	19,780	61,327	46,834	56,549
4,167	0,199	0,202	0,488	-0,004	0,376	19,036	19,381	11,106	121,676	25,283	20,135	20,112	20,506	19,780	61,677	46,939	56,613
4,333	0,199	0,202	0,488	-0,004	0,377	19,050	19,454	12,817	119,849	19,996	20,132	20,119	20,509	19,783	61,219	47,072	56,765
4,500	0,199	0,202	0,488	-0,003	0,376	19,076	19,432	8,837	115,728	17,372	20,126	20,111	20,509	19,783	61,000	47,405	56,830
4,667	0,199	0,202	0,488	-0,003	0,378	19,080	19,450	19,207	119,373	9,917	20,133	20,075	20,520	19,784	61,830	47,275	56,744
4,833	0,199	0,202	0,487	-0,004	0,382	19,070	19,434	17,037	121,490	35,315	20,136	20,045	20,517	19,783	61,274	47,630	57,136
5,000	0,199	0,201	0,487	-0,004	0,379	19,049	19,447	9,470	121,234	21,980	20,139	20,084	20,502	19,781	61,749	47,940	57,153
5,167	0,199	0,201	0,487	-0,004	0,370	19,027	19,432	10,274	123,829	23,669	20,126	20,115	20,508	19,781	61,974	48,122	57,418
5,333	0,199	0,201	0,487	-0,003	0,375	18,993	19,438	7,933	124,538	16,830	20,129	20,132	20,510	19,784	61,987	48,158	57,506
5,500	0,199	0,201	0,487	-0,004	0,372	18,998	19,424	19,049	126,787	9,400	20,129	20,126	20,506	19,783	62,655	48,395	57,696

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
0,211	36,428	1,585	1,076	23240,731	24273,922	-0,261	0,037	504,532	-0,113	15,284	5,047	2017-09-13 10:05
0,334	36,549	1,571	1,076	23191,276	24125,041	-0,254	0,038	504,531	-0,141	14,976	4,996	2017-09-13 10:06
0,500	36,716	1,593	1,137	24263,528	24622,304	-0,279	0,038	504,438	-0,114	15,073	5,012	2017-09-13 10:06
0,667	36,940	1,573	1,216	25194,102	25870,916	-0,289	0,039	504,532	-0,293	15,006	5,001	2017-09-13 10:06
0,834	37,210	1,577	1,231	25292,117	25651,201	-0,265	0,038	504,438	-0,057	14,814	4,969	2017-09-13 10:06
1,000	37,432	1,589	1,283	25818,277	25915,298	-0,251	0,040	504,437	-0,106	15,021	5,003	2017-09-13 10:06
1,167	37,633	1,572	1,438	27450,743	28212,112	-0,265	0,040	504,345	-0,126	15,287	5,048	2017-09-13 10:06
1,334	37,827	1,596	1,437	27541,209	28436,414	-0,282	0,040	504,344	-0,145	15,242	5,040	2017-09-13 10:07
1,500	38,018	1,576	1,436	27605,314	28311,516	-0,279	0,041	504,344	-0,135	15,166	5,028	2017-09-13 10:07
1,667	38,194	1,565	1,437	27652,107	28173,720	-0,282	0,040	504,344	-0,125	15,100	5,017	2017-09-13 10:07
1,834	38,369	1,562	1,436	27618,316	27875,785	-0,261	0,038	504,250	-0,139	15,476	5,079	2017-09-13 10:07
2,000	38,548	1,587	1,436	27533,108	28164,727	-0,251	0,037	504,250	-0,136	14,876	4,979	2017-09-13 10:07
2,167	38,762	1,584	1,437	27274,980	27707,422	-0,251	0,037	504,344	-0,142	15,410	5,068	2017-09-13 10:07
2,334	39,069	1,548	1,436	26807,155	27886,450	-0,251	0,037	504,157	-0,153	14,966	4,994	2017-09-13 10:08
2,500	39,357	1,571	1,437	26669,951	27218,718	-0,258	0,037	504,250	-0,128	15,403	5,067	2017-09-13 10:08
2,667	39,646	1,585	1,437	26309,812	27627,485	-0,258	0,037	504,250	-0,148	15,143	5,024	2017-09-13 10:08
2,833	40,005	1,554	1,438	26011,566	27469,911	-0,272	0,038	504,156	-0,145	15,011	5,002	2017-09-13 10:08
3,000	40,264	1,592	1,437	26034,535	27323,647	-0,275	0,039	504,157	-0,133	14,841	4,973	2017-09-13 10:08
3,167	40,443	1,571	1,436	25903,220	26395,521	-0,265	0,038	504,063	-0,142	15,242	5,040	2017-09-13 10:08
3,333	40,597	1,589	1,437	25903,854	26496,036	-0,268	0,037	504,063	-0,118	15,290	5,048	2017-09-13 10:09
3,500	40,720	1,576	1,438	25859,423	26120,884	-0,477	0,039	504,063	-0,124	15,221	5,037	2017-09-13 10:09
3,667	40,840	1,585	1,437	25557,864	26183,918	-0,484	0,038	503,970	-0,160	14,997	4,999	2017-09-13 10:09
3,833	40,998	1,563	1,437	25402,978	26494,127	-0,491	0,039	504,063	-0,138	15,115	5,019	2017-09-13 10:09
4,000	41,202	1,595	1,437	25396,633	26570,600	-0,484	0,039	504,063	-0,138	15,108	5,018	2017-09-13 10:09
4,167	41,440	1,573	1,436	25087,454	26643,237	-0,494	0,038	503,970	-0,156	15,037	5,006	2017-09-13 10:09
4,333	41,688	1,580	1,437	24943,739	25680,855	-0,491	0,038	503,970	-0,150	15,062	5,010	2017-09-13 10:10
4,500	41,955	1,589	1,437	24617,178	24820,006	-0,504	0,038	503,970	-0,131	15,060	5,010	2017-09-13 10:10
4,667	42,220	1,558	1,437	24025,835	26064,238	-0,463	0,039	503,970	-0,137	15,105	5,017	2017-09-13 10:10
4,833	42,444	1,587	1,438	24325,788	24873,585	-0,480	0,038	503,828	-0,142	15,274	5,045	2017-09-13 10:10
5,000	42,641	1,593	1,437	24002,621	25276,386	-0,484	0,037	503,828	-0,144	15,142	5,024	2017-09-13 10:10
5,167	42,802	1,553	1,436	24156,528	24713,941	-0,491	0,037	503,735	-0,149	14,819	4,970	2017-09-13 10:10
5,333	42,951	1,578	1,436	24051,318	25062,803	-0,484	0,037	503,828	-0,134	15,011	5,002	2017-09-13 10:11
5,500	43,100	1,580	1,438	24156,269	25880,604	-0,480	0,037	503,735	-0,152	14,865	4,977	2017-09-13 10:11

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
5,667	0,199	0,201	0,487	-0,004	0,371	18,991	19,431	12,582	131,079	29,351	20,127	20,135	20,503	19,785	62,633	48,434	58,021
5,833	0,199	0,201	0,487	-0,003	0,369	18,969	19,274	7,701	129,617	23,761	20,140	20,135	20,496	19,783	62,919	48,830	58,236
6,000	0,199	0,201	0,486	-0,003	0,367	18,935	19,232	12,391	129,754	18,661	20,133	20,131	20,504	19,784	63,052	48,911	58,362
6,167	0,199	0,201	0,486	-0,004	0,376	18,951	19,231	19,136	128,408	2,874	20,135	20,146	20,521	19,785	62,595	49,203	58,727
6,333	0,199	0,202	0,486	-0,004	0,372	18,929	19,288	25,989	130,555	20,507	20,139	20,171	20,506	19,781	63,293	49,325	58,666
6,500	0,199	0,201	0,486	-0,004	0,369	18,905	19,343	17,785	165,618	34,125	20,136	20,186	20,515	19,785	63,584	49,481	59,008
6,667	0,199	0,202	0,486	-0,004	0,384	18,896	19,361	13,591	164,428	23,681	20,132	20,190	20,502	19,785	63,890	49,693	59,238
6,834	0,199	0,202	0,485	-0,004	0,385	18,896	19,355	14,442	171,155	17,550	20,133	20,208	20,502	19,783	63,750	49,988	59,452
7,000	0,199	0,201	0,485	-0,004	0,377	18,876	19,349	10,708	178,848	20,204	20,132	20,212	20,500	19,784	64,433	49,929	59,532
7,167	0,199	0,201	0,485	-0,003	0,384	18,884	19,326	17,161	177,997	15,733	20,149	20,218	20,523	19,789	64,128	50,405	60,036
7,334	0,199	0,201	0,485	-0,004	0,370	18,867	19,374	15,184	175,505	19,270	20,139	20,226	20,506	19,785	65,003	50,571	60,104
7,500	0,199	0,201	0,485	-0,004	0,380	18,896	19,339	17,792	173,280	17,165	20,126	20,221	20,510	19,784	65,091	50,661	60,336
7,667	0,199	0,201	0,485	-0,003	0,371	18,910	19,343	18,251	184,753	20,299	20,135	20,233	20,520	19,785	65,493	50,875	60,508
7,834	0,199	0,201	0,485	-0,003	0,382	18,902	19,368	22,486	184,862	17,808	20,140	20,238	20,512	19,788	65,807	51,057	60,830
8,000	0,199	0,201	0,484	-0,004	0,384	18,908	19,322	24,423	185,156	22,868	20,140	20,248	20,516	19,791	65,461	51,162	60,956
8,167	0,199	0,201	0,484	-0,004	0,369	18,956	19,343	20,905	189,169	31,820	20,149	20,247	20,524	19,791	65,826	51,372	61,018
8,334	0,199	0,202	0,484	-0,004	0,372	18,964	19,367	13,601	196,493	31,698	20,156	20,245	20,518	19,796	66,486	51,604	61,240
8,500	0,199	0,201	0,483	-0,004	0,361	18,956	19,363	21,756	201,184	6,707	20,141	20,243	20,506	19,791	66,204	51,703	61,406
8,667	0,199	0,202	0,483	-0,004	0,379	18,929	19,378	24,936	207,855	16,978	20,140	20,239	20,520	19,789	66,758	51,917	61,621
8,834	0,199	0,201	0,483	-0,004	0,368	18,946	19,380	26,058	208,666	12,457	20,161	20,237	20,512	19,793	67,014	52,225	62,026
9,000	0,199	0,201	0,483	-0,004	0,376	18,940	19,384	25,869	212,350	26,808	20,134	20,247	20,515	19,792	66,766	52,370	62,123
9,167	0,199	0,201	0,483	-0,004	0,392	18,933	19,410	23,691	215,334	13,884	20,156	20,260	20,531	19,800	67,395	52,549	62,217
9,333	0,199	0,201	0,483	-0,003	0,368	18,920	19,390	18,893	221,587	24,765	20,148	20,248	20,519	19,792	67,566	52,745	62,570
9,500	0,199	0,201	0,482	-0,004	0,361	18,903	19,390	19,333	225,966	0,778	20,170	20,251	20,533	19,797	68,026	52,893	62,644
9,667	0,199	0,201	0,482	-0,004	0,369	18,904	19,398	16,581	227,830	30,516	20,147	20,245	20,532	19,796	67,853	53,028	63,104
9,833	0,199	0,201	0,482	-0,003	0,379	18,888	19,376	22,210	227,065	9,378	20,158	20,254	20,525	19,797	68,127	53,299	63,228
10,000	0,199	0,201	0,482	-0,003	0,373	18,873	19,399	22,464	230,148	17,303	20,147	20,258	20,536	19,800	68,513	53,392	63,459
10,167	0,199	0,202	0,482	-0,004	0,389	18,892	19,393	20,789	233,112	23,355	20,173	20,270	20,543	19,808	69,098	53,694	63,652
10,333	0,199	0,202	0,482	-0,003	0,371	18,871	19,368	22,598	240,114	17,376	20,156	20,264	20,533	19,803	68,931	53,132	63,648
10,500	0,199	0,201	0,481	-0,003	0,382	18,888	19,371	27,096	248,778	27,838	20,160	20,251	20,528	19,803	69,270	54,112	64,199
10,667	0,199	0,201	0,482	-0,003	0,373	18,951	19,380	20,384	252,772	29,957	20,147	20,247	20,519	19,793	69,384	54,261	64,430
10,833	0,199	0,202	0,481	-0,003	0,374	18,972	19,371	23,251	253,807	8,477	20,157	20,250	20,527	19,799	69,912	54,551	64,716
11,000	0,199	0,202	0,481	-0,003	0,377	18,968	19,354	17,372	263,047	34,873	20,147	20,238	20,529	19,800	70,016	54,587	64,950
11,167	0,199	0,202	0,481	-0,004	0,383	18,985	19,384	25,254	266,463	21,241	20,156	20,253	20,511	19,797	70,523	54,944	65,197
11,333	0,199	0,202	0,481	-0,002	0,373	19,011	19,360	15,543	267,888	14,682	20,151	20,249	20,528	19,804	70,769	55,004	65,450
11,500	0,199	0,202	0,481	-0,004	0,377	18,998	19,413	20,452	268,144	21,254	20,159	20,246	20,523	19,804	71,342	55,333	65,783

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
5,667	43,266	1,575	1,437	24404,537	25688,346	-0,463	0,037	503,735	-0,163	14,840	4,973	2017-09-13 10:11
5,833	43,445	1,596	1,438	24474,316	25825,420	-0,480	0,037	503,735	-0,138	14,775	4,962	2017-09-13 10:11
6,000	43,638	1,558	1,438	24354,248	25305,983	-0,456	0,037	503,641	-0,139	14,668	4,944	2017-09-13 10:11
6,167	43,841	1,600	1,437	24609,486	24604,211	-0,459	0,037	503,641	-0,153	15,047	5,008	2017-09-13 10:11
6,333	44,064	1,581	1,437	24141,996	25349,822	-0,470	0,038	503,546	-0,144	14,874	4,979	2017-09-13 10:12
6,500	44,289	1,598	1,436	24314,410	25882,807	-0,480	0,037	503,547	-0,141	14,775	4,962	2017-09-13 10:12
6,667	44,495	1,574	1,436	24350,797	25652,131	-0,470	0,038	503,547	-0,150	15,371	5,061	2017-09-13 10:12
6,834	44,684	1,583	1,437	24402,155	25005,956	-0,473	0,039	503,453	-0,155	15,414	5,069	2017-09-13 10:12
7,000	44,844	1,543	1,437	24276,388	25687,212	-0,470	0,037	503,453	-0,167	15,074	5,012	2017-09-13 10:12
7,167	44,993	1,598	1,438	24873,794	25164,217	-0,470	0,036	503,453	-0,139	15,340	5,056	2017-09-13 10:12
7,334	45,151	1,563	1,437	24710,825	25888,795	-0,484	0,037	503,453	-0,142	14,803	4,967	2017-09-13 10:13
7,500	45,316	1,593	1,438	24837,806	26385,379	-0,456	0,037	503,360	-0,149	15,194	5,032	2017-09-13 10:13
7,667	45,484	1,560	1,438	24834,509	26169,782	-0,452	0,037	503,359	-0,121	14,821	4,970	2017-09-13 10:13
7,834	45,664	1,601	1,437	25058,565	27090,321	-0,463	0,036	503,360	-0,131	15,261	5,043	2017-09-13 10:13
8,000	45,860	1,563	1,437	24942,512	25643,180	-0,466	0,037	503,266	-0,140	15,355	5,059	2017-09-13 10:13
8,167	46,075	1,583	1,438	24710,462	26253,322	-0,456	0,037	503,266	-0,146	14,741	4,957	2017-09-13 10:13
8,334	46,288	1,586	1,436	24682,176	27078,356	-0,449	0,038	503,266	-0,152	14,871	4,979	2017-09-13 10:14
8,500	46,487	1,586	1,437	24644,787	26385,717	-0,459	0,037	503,123	-0,164	14,430	4,904	2017-09-13 10:14
8,667	46,676	1,576	1,438	24703,558	26827,622	-0,452	0,038	503,124	-0,162	15,146	5,024	2017-09-13 10:14
8,834	46,843	1,588	1,438	25098,102	26932,871	-0,456	0,037	503,030	-0,141	14,736	4,956	2017-09-13 10:14
9,000	47,014	1,576	1,439	24981,964	26014,274	-0,473	0,037	503,030	-0,147	15,060	5,010	2017-09-13 10:14
9,167	47,184	1,550	1,438	24848,814	26381,501	-0,477	0,037	503,030	-0,152	15,664	5,109	2017-09-13 10:14
9,333	47,349	1,608	1,438	25151,456	27335,340	-0,463	0,037	503,030	-0,140	14,705	4,951	2017-09-13 10:15
9,500	47,531	1,529	1,439	24995,514	26543,215	-0,480	0,037	502,843	-0,148	14,449	4,907	2017-09-13 10:15
9,667	47,721	1,589	1,436	25379,551	27014,367	-0,459	0,037	502,843	-0,146	14,778	4,963	2017-09-13 10:15
9,833	47,914	1,553	1,437	25276,022	26401,363	-0,477	0,037	502,843	-0,128	15,167	5,028	2017-09-13 10:15
10,000	48,118	1,575	1,439	25360,712	27304,444	-0,459	0,037	502,843	-0,127	14,928	4,988	2017-09-13 10:15
10,167	48,321	1,456	1,438	25329,202	25707,092	-0,470	0,038	502,843	-0,143	15,547	5,090	2017-09-13 10:15
10,333	48,514	1,503	1,438	25003,962	27224,584	-0,456	0,038	502,843	-0,129	14,850	4,975	2017-09-13 10:16
10,500	48,697	1,592	1,438	25606,522	27657,143	-0,452	0,037	502,748	-0,132	15,283	5,047	2017-09-13 10:16
10,667	48,866	1,585	1,441	25754,815	27464,140	-0,463	0,037	502,843	-0,126	14,913	4,986	2017-09-13 10:16
10,833	49,041	1,579	1,438	25889,332	27796,031	-0,466	0,038	502,748	-0,119	14,966	4,994	2017-09-13 10:16
11,000	49,219	1,574	1,436	25941,488	27830,794	-0,452	0,038	502,748	-0,127	15,093	5,015	2017-09-13 10:16
11,167	49,402	1,588	1,437	26068,580	28352,862	-0,459	0,038	502,655	-0,156	15,320	5,053	2017-09-13 10:16
11,333	49,584	1,542	1,437	26178,828	27848,870	-0,470	0,039	502,655	-0,092	14,940	4,990	2017-09-13 10:17
11,500	49,771	1,589	1,440	26464,018	29140,171	-0,459	0,038	502,655	-0,141	15,063	5,010	2017-09-13 10:17

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
11,667	0,199	0,202	0,480	-0,004	0,375	18,990	19,414	26,573	270,751	18,139	20,180	20,311	20,522	19,805	71,351	55,540	66,091
11,833	0,199	0,202	0,480	-0,004	0,379	18,988	19,380	46,522	268,566	21,853	20,155	20,276	20,522	19,805	71,285	55,898	66,466
12,000	0,199	0,202	0,480	-0,004	0,379	18,987	19,394	21,661	261,434	21,622	20,173	20,268	20,532	19,811	71,024	55,885	66,450
12,167	0,199	0,202	0,480	-0,004	0,373	18,971	19,376	16,132	267,596	19,920	20,165	20,271	20,545	19,805	71,303	55,858	66,326
12,333	0,199	0,201	0,480	-0,004	0,375	18,946	19,372	11,072	264,782	18,454	20,168	20,262	20,527	19,803	71,926	56,343	66,683
12,500	0,199	0,201	0,480	-0,004	0,369	18,937	19,372	7,277	261,755	21,683	20,169	20,250	20,519	19,800	72,036	56,414	66,968
12,667	0,199	0,202	0,480	-0,003	0,387	18,925	19,377	10,619	262,902	20,284	20,168	20,268	20,533	19,807	72,110	56,723	67,252
12,833	0,199	0,201	0,480	-0,003	0,372	18,891	19,372	17,897	261,029	4,557	20,168	20,268	20,527	19,804	71,891	56,881	67,241
13,000	0,199	0,201	0,479	-0,003	0,377	18,903	19,424	25,649	260,559	18,174	20,152	20,258	20,532	19,801	71,888	57,005	67,102
13,167	0,199	0,202	0,479	-0,003	0,376	18,925	19,388	17,143	263,321	36,515	20,159	20,258	20,529	19,801	72,491	57,119	67,221
13,334	0,199	0,202	0,479	-0,004	0,377	18,913	19,345	12,009	260,299	25,897	20,168	20,270	20,539	19,801	72,466	57,297	67,473
13,500	0,199	0,201	0,479	-0,004	0,365	18,946	19,372	18,509	257,687	2,864	20,170	20,272	20,540	19,808	72,353	57,463	67,699
13,667	0,199	0,201	0,479	-0,004	0,364	18,914	19,360	23,272	255,257	20,339	20,161	20,250	20,529	19,799	72,960	57,582	67,889
13,834	0,199	0,201	0,479	-0,003	0,376	18,904	19,330	26,366	248,491	19,495	20,174	20,275	20,537	19,803	72,894	57,904	68,112
14,000	0,199	0,201	0,479	-0,003	0,376	18,888	19,335	20,656	249,566	35,606	20,144	20,268	20,533	19,803	73,173	58,028	68,141
14,167	0,199	0,201	0,478	-0,004	0,373	18,896	19,352	22,532	246,644	14,387	20,157	20,274	20,543	19,804	73,571	58,244	68,453
14,334	0,199	0,201	0,478	-0,003	0,378	18,879	19,356	16,568	248,398	33,508	20,177	20,276	20,533	19,804	73,383	58,404	68,620
14,500	0,199	0,201	0,478	-0,004	0,367	18,874	19,332	19,903	247,472	17,801	20,168	20,270	20,536	19,804	73,799	58,208	68,582
14,667	0,199	0,201	0,478	-0,004	0,385	18,875	19,375	17,404	252,295	19,867	20,168	20,262	20,539	19,807	74,209	58,720	69,066
14,834	0,199	0,201	0,478	-0,003	0,377	18,868	19,350	18,634	252,392	17,791	20,187	20,280	20,535	19,808	74,337	58,928	69,167
15,000	0,199	0,201	0,477	-0,004	0,369	18,862	19,362	15,658	253,534	33,103	20,181	20,284	20,537	19,809	74,236	59,208	69,585
15,167	0,199	0,201	0,477	-0,004	0,370	18,855	19,347	20,214	249,425	8,993	20,178	20,280	20,537	19,809	74,390	59,381	69,622
15,334	0,199	0,201	0,477	-0,004	0,372	18,836	19,356	15,925	247,671	33,602	20,174	20,274	20,516	19,807	74,860	59,634	69,917
15,500	0,199	0,201	0,477	-0,004	0,378	18,827	19,359	18,696	247,141	15,905	20,181	20,276	20,550	19,808	75,355	59,752	70,122
15,667	0,199	0,201	0,477	-0,004	0,393	18,845	19,354	20,805	245,739	8,733	20,176	20,263	20,552	19,809	75,355	59,917	70,348
15,834	0,199	0,201	0,477	-0,004	0,386	18,856	19,343	29,014	249,412	41,937	20,172	20,266	20,535	19,804	75,762	60,225	70,654
16,000	0,199	0,201	0,477	-0,003	0,380	18,870	19,332	14,561	246,170	18,346	20,174	20,280	20,532	19,805	75,936	60,318	70,778
16,167	0,199	0,202	0,476	-0,003	0,381	18,865	19,347	16,513	248,322	6,807	20,174	20,272	20,549	19,808	75,813	60,517	71,033
16,333	0,199	0,201	0,476	-0,003	0,377	18,858	19,328	20,230	250,309	27,151	20,173	20,262	20,536	19,803	75,851	60,756	71,252
16,500	0,199	0,201	0,476	-0,004	0,379	18,860	19,325	19,211	250,327	21,507	20,169	20,266	20,543	19,807	76,358	60,854	71,248
16,712	0,199	0,202	0,476	-0,004	0,368	18,895	19,286	18,821	250,715	4,636	20,186	20,275	20,543	19,808	76,540	60,944	71,377
16,833	0,199	0,202	0,475	-0,004	0,369	19,065	19,295	-13,155	250,027	16,989	20,174	20,267	20,537	19,811	76,145	60,875	71,372
17,000	0,199	0,202	0,475	-0,003	0,384	19,209	19,421	24,047	247,878	34,172	20,181	20,268	20,548	19,808	77,048	61,225	71,588
17,167	0,199	0,202	0,475	0,002	0,377	19,279	19,387	20,189	246,153	17,186	20,161	20,276	20,535	19,811	76,741	61,459	71,921
17,333	0,199	0,202	0,475	-0,005	0,378	19,387	19,282	54,469	244,594	5,380	20,176	20,270	20,547	19,812	78,116	61,592	70,545
17,500	0,199	0,202	0,925	-0,004	0,377	19,920	19,274	28,387	245,092	29,934	20,185	20,267	20,530	19,811	77,172	61,220	72,200

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
11,667	49,965	1,593	1,439	26650,351	28854,706	-0,442	0,038	502,561	-0,147	14,993	4,999	2017-09-13 10:17
11,833	50,156	1,610	1,439	26950,677	28370,545	-0,445	0,038	502,561	-0,153	15,156	5,026	2017-09-13 10:17
12,000	50,352	1,578	1,440	26600,761	27369,000	-0,459	0,038	502,561	-0,144	15,141	5,024	2017-09-13 10:17
12,167	50,557	1,550	1,437	26009,586	27421,138	-0,463	0,038	502,561	-0,154	14,933	4,989	2017-09-13 10:17
12,333	50,745	1,600	1,437	26288,327	28560,175	-0,470	0,037	502,468	-0,148	14,990	4,998	2017-09-13 10:18
12,500	50,925	1,570	1,437	26462,772	28088,137	-0,466	0,037	502,468	-0,147	14,772	4,962	2017-09-13 10:18
12,667	51,074	1,598	1,438	26700,945	28148,894	-0,470	0,038	502,468	-0,117	15,469	5,078	2017-09-13 10:18
12,833	51,271	1,593	1,436	26316,418	27371,622	-0,473	0,037	502,468	-0,124	14,873	4,979	2017-09-13 10:18
13,000	51,477	1,557	1,438	25785,925	26534,972	-0,477	0,037	502,376	-0,128	15,094	5,016	2017-09-13 10:18
13,167	51,677	1,592	1,438	25649,637	28010,244	-0,463	0,038	502,326	-0,138	15,022	5,004	2017-09-13 10:18
13,334	51,870	1,599	1,437	25716,474	27772,969	-0,466	0,039	502,232	-0,164	15,076	5,013	2017-09-13 10:19
13,500	52,063	1,576	1,438	25786,760	26867,868	-0,456	0,037	502,232	-0,150	14,606	4,934	2017-09-13 10:19
13,667	52,261	1,576	1,439	25803,012	27734,112	-0,463	0,037	502,232	-0,144	14,541	4,923	2017-09-13 10:19
13,834	52,473	1,598	1,441	25840,702	27405,363	-0,445	0,037	502,232	-0,137	15,052	5,009	2017-09-13 10:19
14,000	52,674	1,567	1,442	25577,368	27157,910	-0,449	0,036	502,232	-0,138	15,052	5,009	2017-09-13 10:19
14,167	52,888	1,588	1,441	25713,714	27851,377	-0,445	0,037	502,138	-0,153	14,938	4,990	2017-09-13 10:19
14,334	53,073	1,600	1,441	25683,016	27417,193	-0,449	0,036	502,045	-0,139	15,110	5,018	2017-09-13 10:20
14,500	53,236	1,526	1,441	25352,707	27222,396	-0,445	0,036	502,045	-0,154	14,673	4,945	2017-09-13 10:20
14,667	53,414	1,596	1,441	25852,317	28277,956	-0,452	0,036	502,045	-0,169	15,384	5,064	2017-09-13 10:20
14,834	53,615	1,532	1,442	25711,812	26998,783	-0,438	0,037	502,045	-0,138	15,088	5,015	2017-09-13 10:20
15,000	53,821	1,611	1,443	26077,263	27698,194	-0,452	0,037	501,958	-0,154	14,777	4,963	2017-09-13 10:20
15,167	54,003	1,571	1,441	25793,861	26976,405	-0,445	0,037	501,951	-0,150	14,812	4,969	2017-09-13 10:20
15,334	54,178	1,591	1,441	25990,872	27708,944	-0,456	0,037	501,951	-0,156	14,886	4,981	2017-09-13 10:21
15,500	54,350	1,587	1,441	26045,706	28315,910	-0,452	0,037	501,857	-0,155	15,136	5,023	2017-09-13 10:21
15,667	54,540	1,583	1,442	26120,201	27955,031	-0,463	0,036	501,857	-0,159	15,708	5,117	2017-09-13 10:21
15,834	54,731	1,612	1,441	26301,661	28634,135	-0,487	0,036	501,858	-0,153	15,422	5,070	2017-09-13 10:21
16,000	54,927	1,569	1,440	26156,255	28019,029	-0,473	0,037	501,857	-0,134	15,182	5,030	2017-09-13 10:21
16,167	55,119	1,580	1,440	26249,383	27633,569	-0,487	0,038	501,764	-0,128	15,252	5,042	2017-09-13 10:21
16,333	55,295	1,594	1,441	26338,109	27500,644	-0,473	0,037	501,764	-0,129	15,089	5,015	2017-09-13 10:22
16,500	55,469	1,550	1,440	26029,558	27473,530	-0,466	0,037	501,764	-0,170	15,142	5,024	2017-09-13 10:22
16,712	55,725	1,595	1,484	26617,260	28431,361	-0,456	0,038	501,764	-0,174	14,732	4,955	2017-09-13 10:22
16,833	55,869	1,556	1,486	26393,090	27161,621	-0,480	0,038	501,624	-0,171	14,753	4,959	2017-09-13 10:22
17,000	56,062	1,580	1,488	26468,499	28575,249	-0,473	0,040	501,624	-0,102	15,364	5,060	2017-09-13 10:22
17,167	56,248	1,596	1,488	26706,097	27872,715	-0,463	0,039	501,530	0,084	15,093	5,016	2017-09-13 10:22
17,333	56,433	1,312	1,490	24083,012	24781,640	-0,484	0,038	501,530	-0,199	15,102	5,017	2017-09-13 10:23
17,500	56,627	1,578	1,489	26559,421	28765,585	-0,494	0,039	585,856	-0,176	15,092	5,015	2017-09-13 10:23

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
17,667	0,199	0,202	0,475	-0,003	0,384	38,303	19,320	22,095	245,254	25,031	20,182	20,270	20,543	19,811	78,006	61,645	72,098
17,833	0,199	0,202	0,475	-0,004	0,376	61,554	19,345	23,482	232,031	7,158	20,177	20,282	20,535	19,812	77,847	61,978	72,670
18,000	0,199	0,202	0,475	0,008	0,378	80,329	19,176	26,774	221,408	16,181	20,188	20,274	20,548	19,813	78,393	61,997	72,577
18,167	0,199	0,202	0,474	0,264	0,376	93,532	19,252	28,563	210,481	29,189	20,182	20,283	20,560	19,823	78,053	62,287	72,925
18,333	0,199	0,202	0,475	0,324	0,370	103,080	19,336	23,199	207,611	32,026	20,182	20,283	20,545	19,817	78,439	62,032	72,585
18,500	0,199	0,202	0,475	0,328	0,366	109,757	19,287	25,157	202,399	8,876	20,171	20,272	20,548	19,813	78,429	62,512	73,224
18,667	0,199	0,202	0,475	0,339	0,377	114,507	19,325	27,643	200,038	14,377	20,194	20,283	20,545	19,819	79,077	62,036	71,795
18,833	0,199	0,202	0,475	0,342	0,372	118,162	19,358	25,759	189,025	34,735	20,192	20,270	20,555	19,821	79,024	62,517	73,397
19,000	0,199	0,202	0,474	0,333	0,368	120,701	19,363	22,625	173,848	22,621	20,176	20,278	20,548	19,816	79,799	63,139	72,997
19,167	0,199	0,202	0,474	0,343	0,372	122,451	19,316	25,237	172,699	12,817	20,194	20,275	20,542	19,819	79,812	61,880	73,166
19,333	0,199	0,202	0,474	0,337	0,377	123,650	19,376	27,182	166,433	13,308	20,196	20,283	20,555	19,821	80,279	63,082	74,665
19,500	0,199	0,202	0,474	0,326	0,378	124,594	19,422	26,728	162,603	24,027	20,176	20,257	20,544	19,812	80,179	61,732	72,568
19,667	0,199	0,202	0,474	0,330	0,362	125,303	19,421	22,906	163,931	27,896	20,191	20,278	20,556	19,815	80,425	63,429	74,734
19,833	0,199	0,202	0,473	0,341	0,376	125,941	19,422	22,904	161,678	15,045	20,190	20,258	20,547	19,815	81,182	63,926	70,692
20,000	0,199	0,202	0,473	0,343	0,370	126,433	19,404	22,647	168,329	19,615	20,180	20,267	20,532	19,816	81,031	62,197	73,962
20,167	0,199	0,202	0,473	0,343	0,368	126,725	19,422	23,939	176,343	17,969	20,186	20,265	20,548	19,817	81,651	64,028	74,266
20,334	0,199	0,202	0,473	0,338	0,373	126,951	19,319	24,288	170,917	12,598	20,182	20,270	20,544	19,817	81,745	62,039	73,660
20,500	0,199	0,202	0,473	0,345	0,375	127,281	19,307	27,399	165,503	24,981	20,185	20,262	20,551	19,821	81,883	63,185	75,300
20,667	0,199	0,202	0,472	0,342	0,381	127,452	19,421	12,300	162,165	14,617	20,190	20,270	20,559	19,825	82,402	63,845	73,048
20,834	0,199	0,202	0,472	0,335	0,375	127,547	19,412	16,813	154,484	6,878	20,186	20,267	20,560	19,820	82,215	64,077	75,881
21,000	0,199	0,202	0,472	0,341	0,376	127,978	19,432	20,261	152,947	24,966	20,194	20,258	20,555	19,819	82,953	64,389	75,271
21,167	0,199	0,202	0,472	0,348	0,366	128,020	19,463	23,617	148,341	9,163	20,190	20,273	20,544	19,821	82,579	62,987	75,212
21,334	0,199	0,202	0,472	0,347	0,387	128,309	19,455	22,815	151,441	29,253	20,186	20,254	20,551	19,817	83,045	64,746	76,735
21,500	0,199	0,202	0,472	0,349	0,377	128,392	19,452	22,607	147,899	14,472	20,179	20,265	20,543	19,821	83,438	64,873	72,167
21,667	0,199	0,202	0,472	0,354	0,367	128,698	19,404	20,774	146,270	29,437	20,188	20,261	20,552	19,821	83,493	64,307	76,501
21,834	0,199	0,201	0,471	0,349	0,360	128,838	19,396	20,484	149,632	12,481	20,186	20,266	20,538	19,821	84,182	65,293	75,709
22,094	0,199	0,201	0,472	0,339	0,376	128,760	19,349	20,962	143,337	10,388	20,199	20,263	20,547	19,819	84,735	61,981	73,278
22,167	0,199	0,201	0,471	0,341	0,376	128,823	19,337	23,328	140,647	23,434	20,180	20,258	20,555	19,823	84,590	62,914	75,556
22,334	0,199	0,202	0,471	0,350	0,391	128,982	19,359	24,702	138,179	11,345	20,188	20,271	20,534	19,821	84,811	64,805	77,617
22,500	0,199	0,202	0,470	0,340	0,376	129,007	19,474	15,807	134,895	21,614	20,198	20,262	20,546	19,823	85,604	65,433	71,800
22,667	0,199	0,202	0,470	0,345	0,373	129,161	19,516	21,942	129,781	26,025	20,199	20,269	20,549	19,824	85,822	61,875	75,094
22,834	0,199	0,202	0,470	0,341	0,374	129,313	19,537	24,120	130,354	8,359	20,206	20,261	20,551	19,824	85,618	63,147	76,997
23,000	0,199	0,202	0,470	0,359	0,369	129,695	19,618	21,068	135,671	28,633	20,193	20,271	20,553	19,823	86,106	52,987	76,535
23,167	0,199	0,202	0,469	0,346	0,364	129,804	19,478	23,964	136,462	11,861	20,189	20,271	20,534	19,821	87,136	64,880	67,367
23,333	0,199	0,202	0,469	0,348	0,384	130,007	19,327	27,026	151,617	11,368	20,203	20,263	20,552	19,824	87,718	65,280	64,848
23,500	0,199	0,201	0,469	0,344	0,378	130,284	19,272	24,360	151,119	34,893	20,196	20,261	20,552	19,825	88,331	65,424	64,705

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
17,667	56,819	1,484	1,490	26073,559	27750,930	-0,459	0,038	501,531	-0,126	15,347	5,057	2017-09-13 10:23
17,833	57,009	1,590	1,490	26722,134	28835,277	-0,459	0,040	501,530	-0,174	15,047	5,008	2017-09-13 10:23
18,000	57,203	1,524	1,491	26237,339	28548,342	-0,463	0,039	501,530	0,317	15,109	5,018	2017-09-13 10:23
18,167	57,400	1,568	1,491	26490,103	28249,495	-0,456	0,038	501,436	10,563	15,037	5,006	2017-09-13 10:23
18,333	57,620	1,448	1,499	25676,044	27151,404	-0,445	0,038	501,624	12,969	14,798	4,966	2017-09-13 10:24
18,500	57,832	1,584	1,506	26526,189	28803,435	-0,431	0,038	501,530	13,132	14,649	4,941	2017-09-13 10:24
18,667	58,037	1,223	1,506	23703,791	23818,492	-0,664	0,039	501,530	13,542	15,063	5,011	2017-09-13 10:24
18,833	58,216	1,575	1,503	26114,642	29695,837	-0,654	0,040	501,530	13,671	14,888	4,981	2017-09-13 10:24
19,000	58,387	1,290	1,504	25137,449	24548,179	-0,643	0,038	501,436	13,310	14,730	4,955	2017-09-13 10:24
19,167	58,557	1,393	1,504	25139,968	28542,309	-0,654	0,039	501,436	13,713	14,881	4,980	2017-09-13 10:24
19,333	58,754	1,426	1,558	28368,820	28020,445	-0,661	0,038	501,343	13,475	15,098	5,016	2017-09-13 10:25
19,500	58,940	1,106	1,548	24123,734	23329,096	-0,654	0,039	501,343	13,043	15,140	5,023	2017-09-13 10:25
19,667	59,075	1,577	1,507	26989,327	30600,630	-0,661	0,038	501,343	13,211	14,482	4,913	2017-09-13 10:25
19,833	59,250	0,785	1,506	19705,131	15469,426	-0,456	0,039	501,249	13,656	15,024	5,004	2017-09-13 10:25
20,000	59,472	1,440	1,504	24926,736	31003,495	-0,678	0,039	501,248	13,734	14,812	4,969	2017-09-13 10:25
20,167	59,697	1,242	1,503	25049,560	24988,609	-0,661	0,038	501,248	13,729	14,739	4,956	2017-09-13 10:25
20,334	59,893	1,114	1,504	23681,121	25083,321	-0,654	0,039	501,155	13,540	14,934	4,989	2017-09-13 10:26
20,500	59,992	1,438	1,503	26313,655	30725,910	-0,657	0,039	501,155	13,814	14,990	4,998	2017-09-13 10:26
20,667	60,139	0,992	1,503	22185,072	21025,649	-0,664	0,038	501,061	13,687	15,245	5,041	2017-09-13 10:26
20,834	60,274	1,494	1,504	26849,069	30939,085	-0,668	0,038	501,061	13,406	14,984	4,997	2017-09-13 10:26
21,000	60,268	1,189	1,501	25744,428	25199,048	-0,671	0,039	501,062	13,654	15,039	5,006	2017-09-13 10:26
21,167	60,364	1,304	1,501	25474,814	29187,371	-0,661	0,039	501,061	13,919	14,643	4,940	2017-09-13 10:26
21,334	60,512	1,435	1,499	27811,593	29975,962	-0,682	0,039	500,968	13,882	15,479	5,079	2017-09-13 10:27
21,500	60,520	0,756	1,502	19991,933	16023,014	-0,435	0,039	500,962	13,956	15,066	5,011	2017-09-13 10:27
21,667	60,598	1,537	1,499	27264,875	33667,831	-0,459	0,038	500,968	14,144	14,699	4,950	2017-09-13 10:27
21,834	60,568	1,126	1,501	25974,370	24279,370	-0,643	0,037	500,827	13,960	14,409	4,900	2017-09-13 10:27
22,094	60,482	0,833	1,500	21939,003	21683,588	-0,657	0,037	500,968	13,576	15,033	5,005	2017-09-13 10:27
22,167	60,380	1,269	1,494	25927,573	31430,363	-0,647	0,037	500,826	13,637	15,034	5,006	2017-09-13 10:27
22,334	60,327	1,345	1,497	29595,122	30732,810	-0,671	0,039	500,733	13,983	15,657	5,108	2017-09-13 10:28
22,500	60,404	0,648	1,499	19529,595	14917,375	-0,657	0,039	500,639	13,612	15,033	5,006	2017-09-13 10:28
22,667	60,353	1,043	1,497	25224,482	28558,260	-0,664	0,038	500,639	13,801	14,901	4,983	2017-09-13 10:28
22,834	60,431	1,331	1,498	28375,546	34190,521	-0,657	0,038	500,639	13,659	14,949	4,992	2017-09-13 10:28
23,000	60,399	0,871	1,499	27662,473	33137,687	-0,661	0,038	500,545	14,346	14,753	4,959	2017-09-13 10:28
23,167	60,402	0,264	1,498	11924,106	6716,450	-0,664	0,038	500,451	13,823	14,567	4,927	2017-09-13 10:28
23,333	60,471	0,250	1,497	7482,562	6409,305	-0,650	0,038	500,452	13,940	15,346	5,057	2017-09-13 10:29
23,500	60,469	0,259	1,498	7251,041	6770,783	-0,647	0,037	500,358	13,742	15,136	5,023	2017-09-13 10:29

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
23,667	0,199	0,202	0,469	0,347	0,384	130,470	19,356	21,170	152,169	21,886	20,192	20,264	20,550	19,827	88,781	63,462	64,803
23,833	0,199	0,202	0,468	0,359	0,370	130,496	19,369	21,000	147,145	11,077	20,194	20,274	20,560	19,827	89,662	61,887	64,961
24,000	0,199	0,201	0,467	0,343	0,379	130,606	19,404	21,850	144,877	18,231	20,192	20,266	20,556	19,825	91,632	60,882	66,448
24,167	0,199	0,201	0,467	0,355	0,377	130,575	19,491	25,257	148,965	7,492	20,189	20,269	20,555	19,827	92,544	60,530	76,187
24,333	0,199	0,201	0,467	0,344	0,383	129,959	19,443	4,134	154,558	24,574	20,185	20,274	20,555	19,829	92,223	62,351	73,892
24,500	0,199	0,201	0,468	0,329	0,385	128,457	19,405	5,224	154,910	27,478	20,200	20,258	20,551	19,829	92,016	63,195	79,827
24,667	0,199	0,202	0,467	0,327	0,381	127,032	19,417	3,047	154,015	8,116	20,193	20,270	20,556	19,831	91,769	63,160	78,712
24,833	0,199	0,202	0,467	0,326	0,392	125,556	19,435	11,626	159,772	25,924	20,200	20,274	20,561	19,831	91,909	63,895	72,462
25,000	0,199	0,202	0,467	0,325	0,390	124,257	19,429	21,536	157,161	6,952	20,200	20,269	20,574	19,829	91,180	61,783	71,504
25,167	0,199	0,201	0,469	0,324	0,389	122,977	19,439	20,223	156,115	32,311	20,196	20,269	20,546	19,827	90,751	62,412	78,189
25,333	0,199	0,201	0,468	0,319	0,370	121,843	19,422	17,274	151,644	17,188	20,201	20,267	20,551	19,829	89,891	63,019	80,418
25,500	0,199	0,201	0,468	0,320	0,391	120,738	19,392	20,991	152,463	8,433	20,198	20,282	20,557	19,831	89,537	64,626	73,746
25,667	0,199	0,201	0,468	0,323	0,385	119,716	19,360	20,060	156,908	30,048	20,197	20,264	20,547	19,831	89,394	61,589	73,954
25,833	0,199	0,201	0,468	0,318	0,394	118,822	19,361	23,830	155,510	7,634	20,205	20,270	20,560	19,831	88,750	61,126	74,799
26,000	0,199	0,201	0,469	0,318	0,387	117,927	19,379	22,304	158,045	30,547	20,200	20,261	20,557	19,832	88,020	60,487	78,187
26,167	0,199	0,201	0,469	0,316	0,380	117,064	19,448	20,168	154,142	12,028	20,198	20,269	20,548	19,832	87,301	61,955	75,268
26,333	0,199	0,201	0,469	0,316	0,381	116,231	19,442	22,694	160,767	21,628	20,196	20,278	20,554	19,833	86,824	56,337	74,989
26,500	0,199	0,201	0,468	0,313	0,389	115,470	19,449	13,120	157,930	25,041	20,221	20,282	20,567	19,839	86,255	44,852	74,293
26,667	0,199	0,201	0,468	0,311	0,382	114,689	19,441	21,275	156,123	7,964	20,209	20,269	20,554	19,835	86,198	36,245	69,835
26,834	0,199	0,202	0,469	0,312	0,376	113,918	19,386	26,423	146,734	17,538	20,206	20,270	20,557	19,833	86,472	59,866	62,875
27,000	0,199	0,201	0,467	0,310	0,375	113,200	19,394	21,821	151,132	35,639	20,202	20,274	20,556	19,836	86,572	60,132	63,570
27,167	0,199	0,202	0,467	0,306	0,386	112,460	19,497	23,852	148,515	9,470	20,204	20,277	20,561	19,837	86,472	60,728	63,796
27,334	0,199	0,202	0,467	0,307	0,386	111,796	19,462	24,135	150,589	28,358	20,208	20,272	20,563	19,840	86,275	61,232	63,748
27,500	0,199	0,202	0,467	0,305	0,379	111,101	19,345	20,089	152,191	22,676	20,198	20,265	20,559	19,837	85,939	60,267	63,369
27,667	0,199	0,202	0,468	0,307	0,379	110,438	19,309	23,486	142,513	14,725	20,204	20,258	20,571	19,835	85,876	59,810	63,118
27,834	0,199	0,202	0,467	0,306	0,385	109,805	19,381	22,838	140,389	18,259	20,201	20,265	20,556	19,836	86,054	59,607	63,255
28,000	0,199	0,201	0,467	0,305	0,392	109,186	19,418	25,442	134,675	11,977	20,223	20,265	20,565	19,837	86,044	59,369	63,108
28,167	0,199	0,202	0,467	0,301	0,389	108,614	19,519	22,282	126,963	31,816	20,209	20,269	20,567	19,840	85,733	59,077	63,006
28,334	0,199	0,202	0,467	0,301	0,393	108,118	19,541	38,493	125,379	10,934	20,217	20,269	20,568	19,839	85,749	58,889	62,960
28,500	0,199	0,201	0,467	0,300	0,385	107,560	19,492	29,476	123,195	18,547	20,221	20,257	20,575	19,840	85,580	58,717	63,074
28,667	0,199	0,202	0,467	0,297	0,386	106,996	19,377	32,718	119,138	20,188	20,201	20,278	20,565	19,839	86,292	58,487	63,394
28,834	0,199	0,202	0,473	0,295	0,382	106,492	19,489	30,778	115,509	29,194	20,219	20,276	20,569	19,840	85,466	58,299	64,096
29,000	0,199	0,202	0,472	0,297	0,386	106,005	19,501	23,580	107,334	29,943	20,209	20,273	20,572	19,843	84,609	58,504	66,831
29,167	0,199	0,201	0,473	0,294	0,391	105,505	19,660	28,638	103,287	7,475	20,202	20,274	20,562	19,840	83,708	60,827	75,503
29,334	0,199	0,202	0,473	0,294	0,388	105,011	19,543	23,929	96,316	34,293	20,205	20,280	20,569	19,844	82,850	62,267	73,151
29,500	0,199	0,201	0,470	0,297	0,381	104,523	19,487	27,263	95,799	7,675	20,208	20,257	20,564	19,843	82,508	58,364	70,733

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
23,667	60,516	0,265	1,498	7337,483	7660,173	-0,650	0,038	500,358	13,872	15,379	5,063	2017-09-13 10:29
23,833	60,360	0,269	1,497	7869,690	8546,421	-0,668	0,038	500,265	14,344	14,795	4,966	2017-09-13 10:29
24,000	60,368	0,361	1,497	10397,986	12717,233	-0,442	0,037	500,127	13,702	15,177	5,029	2017-09-13 10:29
24,167	60,341	0,948	1,493	27049,748	34750,288	-0,654	0,037	500,127	14,214	15,094	5,016	2017-09-13 10:29
24,333	60,013	0,691	1,493	23697,870	23605,200	-0,661	0,036	500,146	13,749	15,335	5,055	2017-09-13 10:30
24,500	59,994	1,181	1,492	33843,252	38929,638	-0,668	0,037	500,264	13,169	15,415	5,069	2017-09-13 10:30
24,667	60,159	0,993	1,492	31656,322	32486,904	-0,445	0,039	500,127	13,099	15,220	5,037	2017-09-13 10:30
24,833	60,001	0,559	1,494	21289,053	17911,040	-0,452	0,038	500,033	13,052	15,685	5,113	2017-09-13 10:30
25,000	59,904	0,629	1,496	19843,078	21166,932	-0,675	0,038	500,127	12,982	15,615	5,101	2017-09-13 10:30
25,167	59,956	1,144	1,494	31164,953	37090,821	-0,675	0,037	500,358	12,958	15,546	5,090	2017-09-13 10:30
25,333	60,045	1,207	1,496	34856,239	37097,702	-0,685	0,037	500,264	12,754	14,794	4,966	2017-09-13 10:31
25,500	59,551	0,643	1,495	24268,686	18289,873	-0,668	0,037	500,264	12,782	15,640	5,106	2017-09-13 10:31
25,667	58,935	0,780	1,494	25677,204	24815,204	-0,654	0,037	500,264	12,909	15,404	5,067	2017-09-13 10:31
25,833	58,594	0,900	1,496	27730,412	28434,124	-0,668	0,037	500,264	12,733	15,759	5,125	2017-09-13 10:31
26,000	58,387	1,272	1,492	33814,288	40085,065	-0,463	0,037	500,358	12,706	15,470	5,078	2017-09-13 10:31
26,167	58,266	0,916	1,492	29028,723	26540,219	-0,466	0,036	500,451	12,639	15,198	5,033	2017-09-13 10:31
26,333	58,344	0,911	1,492	28414,806	31845,703	-0,671	0,036	500,358	12,626	15,246	5,041	2017-09-13 10:32
26,500	58,759	0,802	1,492	26516,288	38253,790	-0,661	0,036	500,265	12,505	15,574	5,095	2017-09-13 10:32
26,667	59,140	0,251	1,493	18259,993	14492,965	-0,661	0,037	500,264	12,430	15,261	5,043	2017-09-13 10:32
26,834	59,527	0,143	1,515	5798,419	4360,793	-0,654	0,038	500,358	12,483	15,034	5,006	2017-09-13 10:32
27,000	59,652	0,238	1,493	6684,991	7213,423	-0,671	0,037	500,127	12,410	14,999	5,000	2017-09-13 10:32
27,167	59,374	0,243	1,495	7553,568	7154,586	-0,657	0,039	500,127	12,255	15,458	5,076	2017-09-13 10:32
27,334	58,861	0,244	1,494	8348,379	6987,045	-0,445	0,040	500,127	12,298	15,433	5,072	2017-09-13 10:33
27,500	58,768	0,244	1,493	7853,260	7182,180	-0,470	0,040	500,127	12,200	15,167	5,028	2017-09-13 10:33
27,667	58,777	0,247	1,492	7403,916	7371,659	-0,449	0,038	500,264	12,275	15,155	5,026	2017-09-13 10:33
27,834	58,424	0,258	1,490	8232,971	7820,596	-0,668	0,038	500,128	12,245	15,390	5,065	2017-09-13 10:33
28,000	58,243	0,259	1,492	8300,083	7921,373	-0,654	0,037	500,127	12,199	15,667	5,110	2017-09-13 10:33
28,167	58,271	0,268	1,492	8076,228	8169,281	-0,657	0,039	500,127	12,053	15,558	5,092	2017-09-13 10:33
28,334	58,480	0,269	1,492	7644,277	8281,886	-0,664	0,038	500,127	12,024	15,733	5,121	2017-09-13 10:34
28,500	58,739	0,273	1,494	7407,670	8411,064	-0,671	0,037	500,127	11,997	15,408	5,068	2017-09-13 10:34
28,667	58,929	0,281	1,495	7629,436	8959,681	-0,657	0,038	500,127	11,880	15,435	5,072	2017-09-13 10:34
28,834	58,823	0,314	1,495	9012,931	9772,577	-0,650	0,038	501,249	11,808	15,279	5,046	2017-09-13 10:34
29,000	58,459	0,548	1,494	14305,897	16377,032	-0,657	0,038	501,061	11,900	15,449	5,074	2017-09-13 10:34
29,167	57,691	1,394	1,495	30494,440	36489,771	-0,647	0,037	501,249	11,768	15,644	5,106	2017-09-13 10:34
29,334	57,268	0,964	1,495	27192,847	22679,761	-0,647	0,038	501,155	11,777	15,529	5,087	2017-09-13 10:35
29,500	57,120	0,877	1,496	23306,737	24259,388	-0,661	0,037	500,639	11,896	15,223	5,037	2017-09-13 10:35

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
29,667	0,199	0,201	0,470	0,294	0,391	104,035	19,513	25,077	85,431	32,403	20,212	20,274	20,571	19,846	82,106	59,756	71,356
29,833	0,199	0,202	0,479	0,291	0,381	103,497	19,500	24,428	73,932	17,122	20,233	20,286	20,579	19,850	82,071	59,421	66,136
30,000	0,199	0,202	0,487	0,289	0,389	102,996	19,496	27,076	64,650	9,673	20,226	20,284	20,560	19,848	82,375	59,494	60,589
30,167	0,199	0,201	0,487	0,290	0,386	102,528	19,518	30,091	57,727	14,117	20,204	20,287	20,573	19,841	82,785	59,174	60,925
30,333	0,199	0,201	0,475	0,290	0,394	102,036	19,514	26,575	59,424	34,258	20,212	20,253	20,566	19,845	82,427	61,321	61,204
30,500	0,199	0,201	0,475	0,287	0,392	101,598	19,500	29,867	50,695	6,805	20,220	20,280	20,581	19,846	81,481	66,642	62,017
30,667	0,199	0,201	0,487	0,284	0,392	101,151	19,508	25,832	47,410	34,181	20,213	20,267	20,572	19,848	80,978	57,570	70,437
30,833	0,199	0,201	0,470	0,288	0,393	100,736	19,492	28,009	39,953	5,245	20,223	20,278	20,567	19,848	80,268	61,407	74,568
31,000	0,199	0,201	0,470	0,282	0,387	100,322	19,568	26,079	32,121	33,539	20,213	20,277	20,564	19,848	79,633	62,345	68,280
31,167	0,199	0,201	0,471	0,283	0,387	99,906	19,541	25,862	32,587	16,203	20,213	20,270	20,562	19,848	79,161	60,617	72,789
31,333	0,199	0,201	0,471	0,284	0,390	99,514	19,542	27,816	26,809	12,961	20,225	20,274	20,571	19,852	78,437	61,805	71,848
31,500	0,199	0,201	0,471	0,283	0,380	99,088	19,535	30,275	26,798	12,834	20,214	20,267	20,566	19,848	77,911	59,523	67,926
31,667	0,199	0,201	0,470	0,281	0,395	98,739	19,518	26,798	30,628	33,793	20,229	20,277	20,577	19,852	77,341	61,346	72,323
31,833	0,199	0,201	0,471	0,276	0,389	98,402	19,504	22,824	22,052	21,216	20,211	20,273	20,570	19,854	76,406	62,130	69,305
32,000	0,199	0,201	0,471	0,273	0,390	98,081	19,201	26,274	20,041	8,623	20,224	20,285	20,579	19,853	75,784	60,367	70,762
32,167	0,199	0,201	0,471	0,276	0,383	97,806	19,382	29,944	15,147	9,012	20,213	20,263	20,571	19,850	74,806	62,000	71,400
32,333	0,199	0,201	0,471	0,279	0,378	97,603	19,445	25,624	15,352	33,206	20,217	20,276	20,583	19,856	74,611	60,201	69,215
32,500	0,199	0,201	0,471	0,278	0,396	97,393	19,470	26,487	7,653	10,092	20,228	20,278	20,576	19,857	73,975	61,225	70,418
32,667	0,199	0,202	0,472	0,275	0,391	97,240	19,495	26,221	4,418	20,793	20,225	20,273	20,576	19,856	73,564	60,667	67,702
32,833	0,199	0,202	0,471	0,270	0,381	97,137	19,290	24,701	6,046	25,732	20,226	20,280	20,570	19,862	72,989	60,620	69,341
33,000	0,199	0,202	0,471	0,277	0,384	97,090	19,377	25,031	-0,120	12,965	20,233	20,273	20,596	19,861	72,468	60,791	68,974
33,167	0,199	0,202	0,471	0,272	0,372	97,027	19,427	24,965	-11,358	17,187	20,218	20,271	20,580	19,857	72,108	60,994	68,927
33,333	0,199	0,201	0,471	0,279	0,376	97,045	19,452	24,197	-18,278	22,614	20,237	20,277	20,574	19,858	72,156	61,066	67,682
33,500	0,199	0,201	0,471	0,281	0,380	97,232	19,434	24,451	-22,013	11,527	20,234	20,273	20,571	19,854	71,586	61,307	68,583
33,667	0,199	0,201	0,471	0,272	0,387	97,953	19,403	23,700	-23,060	19,884	20,222	20,260	20,587	19,857	71,667	61,630	67,668
33,834	0,199	0,201	0,471	0,285	0,383	98,882	19,333	24,501	-28,821	12,369	20,216	20,272	20,583	19,858	71,358	61,505	68,288
34,000	0,199	0,201	0,471	0,300	0,384	100,166	19,351	21,766	-30,279	27,101	20,226	20,283	20,576	19,866	71,355	61,772	67,988
34,167	0,199	0,201	0,471	0,290	0,392	101,515	19,350	20,054	-31,362	18,300	20,236	20,281	20,588	19,868	71,277	61,626	68,190
34,334	0,199	0,201	0,471	0,294	0,383	102,899	19,283	20,388	-34,694	16,944	20,226	20,258	20,595	19,861	71,198	61,513	68,028
34,500	0,199	0,201	0,470	0,285	0,384	104,124	19,320	26,256	-39,066	5,722	20,229	20,280	20,589	19,862	71,601	61,436	68,234
34,667	0,199	0,201	0,470	0,302	0,375	105,466	19,338	26,387	-40,274	24,579	20,233	20,256	20,568	19,857	71,912	61,370	68,318
34,834	0,199	0,201	0,470	0,299	0,383	106,781	19,216	25,841	-41,342	9,152	20,234	20,258	20,579	19,858	72,500	61,471	68,585
35,211	0,199	0,201	0,470	0,309	0,386	109,406	19,312	22,426	-42,653	24,473	20,233	20,262	20,574	19,861	73,627	61,932	69,397
35,269	0,199	0,201	0,470	0,303	0,380	109,722	19,326	22,889	-44,206	3,538	20,233	20,256	20,579	19,862	73,646	62,107	69,468
35,334	0,199	0,202	0,469	0,290	0,377	110,154	19,301	29,017	-42,076	39,118	20,228	20,285	20,582	19,864	73,741	62,125	69,588
35,500	0,199	0,202	0,469	0,301	0,381	111,035	19,267	27,706	-45,503	14,270	20,225	20,255	20,572	19,864	74,050	62,415	69,977

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
29,667	56,966	0,884	1,497	24660,015	22605,672	-0,650	0,037	500,545	11,761	15,647	5,107	2017-09-13 10:35
29,833	56,898	0,500	1,497	15824,880	12958,511	-0,661	0,038	502,251	11,638	15,226	5,037	2017-09-13 10:35
30,000	56,887	0,165	1,498	6345,251	4328,508	-0,675	0,038	503,829	11,541	15,565	5,093	2017-09-13 10:35
30,167	57,056	0,239	1,498	6632,316	6449,616	-0,654	0,037	503,828	11,613	15,449	5,074	2017-09-13 10:35
30,333	57,207	0,257	1,498	6849,117	6192,405	-0,668	0,037	501,530	11,590	15,746	5,123	2017-09-13 10:36
30,500	57,270	0,307	1,497	8127,571	5201,702	-0,647	0,037	501,623	11,481	15,678	5,112	2017-09-13 10:36
30,667	57,219	1,118	1,496	22631,445	29970,970	-0,640	0,037	503,784	11,369	15,677	5,112	2017-09-13 10:36
30,833	57,057	1,452	1,496	29986,528	31316,860	-0,664	0,037	500,639	11,520	15,712	5,117	2017-09-13 10:36
31,000	56,797	0,637	1,496	19667,193	12586,635	-0,654	0,037	500,639	11,273	15,486	5,080	2017-09-13 10:36
31,167	56,661	1,488	1,497	27647,291	31546,800	-0,657	0,037	500,733	11,321	15,479	5,079	2017-09-13 10:36
31,333	56,749	1,172	1,497	25875,350	22286,869	-0,643	0,037	500,733	11,364	15,613	5,101	2017-09-13 10:37
31,500	57,292	0,853	1,498	18231,809	17935,371	-0,657	0,037	500,733	11,305	15,181	5,030	2017-09-13 10:37
31,667	57,627	1,581	1,497	25176,236	28908,288	-0,647	0,037	500,639	11,243	15,783	5,129	2017-09-13 10:37
31,833	57,596	0,919	1,499	20081,516	14995,618	-0,643	0,037	500,733	11,020	15,573	5,095	2017-09-13 10:37
32,000	57,628	1,402	1,499	22528,127	24709,274	-0,668	0,037	500,826	10,931	15,588	5,097	2017-09-13 10:37
32,167	57,436	1,479	1,499	23962,424	21640,107	-0,661	0,037	500,733	11,033	15,318	5,053	2017-09-13 10:37
32,333	56,943	1,152	1,498	21044,268	18986,195	-0,664	0,037	500,826	11,170	15,121	5,020	2017-09-13 10:38
32,500	56,633	1,602	1,498	23642,616	23335,761	-0,654	0,037	500,826	11,122	15,850	5,140	2017-09-13 10:38
32,667	56,503	1,066	1,499	19221,161	15708,979	-0,664	0,041	500,968	10,984	15,640	5,105	2017-09-13 10:38
32,833	56,493	1,598	1,497	22021,678	22586,566	-0,654	0,042	500,826	10,784	15,236	5,039	2017-09-13 10:38
33,000	56,901	1,508	1,498	20703,253	20129,987	-0,657	0,039	500,826	11,088	15,374	5,062	2017-09-13 10:38
33,167	57,620	1,612	1,496	19351,182	20476,939	-0,657	0,038	500,826	10,871	14,866	4,978	2017-09-13 10:38
33,333	57,990	1,270	1,499	16623,434	16091,181	-0,650	0,037	500,826	11,176	15,055	5,009	2017-09-13 10:39
33,500	58,267	1,609	1,498	17678,974	18897,365	-0,657	0,037	500,826	11,225	15,211	5,035	2017-09-13 10:39
33,667	58,431	1,305	1,499	15832,683	14966,933	-0,640	0,036	500,826	10,864	15,468	5,077	2017-09-13 10:39
33,834	58,281	1,590	1,499	17158,869	17892,039	-0,657	0,037	500,826	11,383	15,310	5,051	2017-09-13 10:39
34,000	58,206	1,484	1,498	16764,171	16242,056	-0,657	0,037	500,826	11,998	15,354	5,059	2017-09-13 10:39
34,167	57,994	1,602	1,498	17473,861	17658,017	-0,647	0,037	500,733	11,619	15,690	5,114	2017-09-13 10:39
34,334	57,746	1,567	1,497	17611,049	17337,615	-0,643	0,037	500,733	11,745	15,327	5,054	2017-09-13 10:40
34,500	57,675	1,600	1,497	18091,794	18576,005	-0,647	0,037	500,639	11,420	15,343	5,057	2017-09-13 10:40
34,667	57,631	1,591	1,496	18295,935	19166,491	-0,647	0,037	500,639	12,081	15,014	5,002	2017-09-13 10:40
34,834	57,908	1,599	1,498	18303,182	20146,831	-0,647	0,037	500,579	11,961	15,304	5,050	2017-09-13 10:40
35,211	58,549	1,581	1,527	18945,565	21120,459	-0,647	0,037	500,545	12,353	15,446	5,074	2017-09-13 10:40
35,269	58,626	1,570	1,527	18935,136	20695,698	-0,654	0,037	500,545	12,139	15,219	5,036	2017-09-13 10:41
35,334	58,693	1,609	1,529	19049,489	21347,398	-0,668	0,038	500,452	11,585	15,096	5,016	2017-09-13 10:41
35,500	58,763	1,588	1,532	19647,494	21100,244	-0,650	0,038	500,451	12,036	15,257	5,043	2017-09-13 10:41

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
35,667	0,199	0,201	0,469	0,300	0,382	111,774	19,307	27,830	-49,160	24,191	20,232	20,262	20,578	19,862	74,649	62,715	70,337
35,834	0,199	0,202	0,469	0,317	0,379	112,326	19,299	25,067	-52,727	17,271	20,209	20,264	20,576	19,862	75,285	62,715	70,588
36,000	0,199	0,202	0,469	0,303	0,388	113,079	19,280	26,293	-52,678	15,217	20,234	20,263	20,579	19,861	75,413	62,788	70,930
36,167	0,199	0,201	0,469	0,313	0,386	113,732	19,290	28,248	-56,416	22,160	20,234	20,262	20,588	19,868	75,867	62,723	71,109
36,334	0,199	0,201	0,469	0,313	0,384	114,269	19,270	23,922	-59,968	27,510	20,230	20,280	20,580	19,869	76,034	62,754	71,481
36,500	0,199	0,201	0,469	0,311	0,384	114,739	19,244	23,248	-61,233	21,359	20,233	20,250	20,579	19,865	76,458	62,695	71,642
36,667	0,199	0,201	0,468	0,318	0,377	115,424	19,256	25,817	-67,812	8,936	20,226	20,267	20,586	19,868	76,963	62,909	71,912
36,833	0,199	0,201	0,468	0,319	0,389	115,995	19,270	22,710	-66,491	29,149	20,228	20,237	20,591	19,865	77,166	62,961	72,126
37,000	0,199	0,201	0,468	0,308	0,387	116,594	19,299	20,204	-70,311	18,866	20,230	20,262	20,558	19,861	77,211	63,306	72,483
37,167	0,199	0,201	0,467	0,309	0,373	117,130	19,314	25,236	-76,005	7,299	20,233	20,258	20,558	19,864	77,400	63,424	72,595
37,333	0,199	0,201	0,467	0,317	0,377	117,609	19,331	27,086	-74,673	14,758	20,229	20,262	20,576	19,865	77,687	63,541	72,665
37,500	0,199	0,201	0,467	0,324	0,371	117,962	19,296	25,320	-76,248	25,297	20,237	20,238	20,574	19,864	77,567	63,738	72,967
37,667	0,199	0,201	0,467	0,319	0,375	118,661	19,296	22,126	-77,093	25,822	20,228	20,243	20,570	19,862	77,713	63,767	73,074
37,833	0,199	0,201	0,467	0,315	0,374	119,117	19,286	22,528	-78,045	9,827	20,235	20,252	20,559	19,860	77,539	63,820	73,145
38,000	0,199	0,201	0,467	0,316	0,392	119,722	19,293	25,583	-83,297	11,406	20,226	20,246	20,564	19,858	78,277	63,766	73,110
38,167	0,199	0,201	0,466	0,331	0,389	120,320	19,169	28,887	-85,610	16,903	20,224	20,234	20,584	19,862	78,628	63,829	73,484
38,333	0,199	0,201	0,466	0,323	0,374	120,680	19,156	23,165	-84,593	25,389	20,226	20,251	20,585	19,864	78,795	63,903	73,734
38,500	0,199	0,201	0,466	0,322	0,376	121,344	19,135	24,859	-87,527	16,031	20,234	20,239	20,578	19,862	79,080	64,065	74,038
38,667	0,199	0,201	0,466	0,323	0,378	121,715	19,214	21,178	-89,904	26,365	20,235	20,238	20,567	19,860	79,247	64,105	74,219
38,833	0,199	0,201	0,466	0,317	0,380	122,017	19,150	18,661	-95,767	20,007	20,239	20,242	20,572	19,858	79,333	64,299	74,316
39,000	0,199	0,201	0,466	0,336	0,385	122,531	19,197	25,444	-104,340	5,085	20,229	20,234	20,574	19,857	79,622	64,417	74,545
39,167	0,199	0,202	0,466	0,334	0,384	123,025	19,122	26,722	-106,456	23,478	20,230	20,241	20,571	19,857	79,734	64,632	74,742
39,333	0,199	0,201	0,465	0,329	0,391	123,164	19,116	22,545	-108,374	20,777	20,242	20,237	20,578	19,857	80,024	64,676	74,859
39,500	0,199	0,201	0,465	0,339	0,376	123,318	19,129	21,508	-112,368	17,674	20,224	20,226	20,568	19,857	80,451	64,697	75,008
39,667	0,199	0,201	0,465	0,342	0,375	123,444	19,108	23,751	-116,814	5,680	20,225	20,225	20,564	19,856	80,426	64,771	75,236
39,833	0,199	0,201	0,465	0,329	0,379	123,709	19,104	21,392	-120,729	22,752	20,224	20,229	20,566	19,856	80,754	64,844	75,372
40,000	0,199	0,201	0,465	0,340	0,380	124,022	19,118	26,358	-123,184	11,277	20,230	20,233	20,568	19,860	80,857	64,972	75,582
40,167	0,199	0,201	0,465	0,337	0,378	124,054	19,113	23,845	-114,695	31,319	20,228	20,211	20,561	19,856	81,266	64,914	75,552
40,333	0,199	0,201	0,465	0,335	0,381	124,209	19,129	19,568	-109,761	23,243	20,226	20,233	20,564	19,858	81,007	65,043	75,998
40,500	0,199	0,201	0,464	0,340	0,377	124,424	19,048	22,327	-104,711	7,529	20,221	20,234	20,554	19,854	81,393	65,032	75,933
40,667	0,199	0,201	0,464	0,338	0,374	124,644	19,110	23,871	-108,588	11,826	20,220	20,232	20,563	19,860	81,600	65,081	76,094
40,834	0,199	0,201	0,464	0,332	0,376	125,043	19,104	26,702	-103,693	12,012	20,234	20,221	20,571	19,857	81,636	65,231	76,242
41,000	0,199	0,201	0,464	0,338	0,388	125,432	19,067	26,339	-100,637	30,736	20,237	20,213	20,562	19,854	81,716	65,268	76,219
41,167	0,199	0,201	0,464	0,338	0,372	125,919	19,067	21,400	-99,641	25,050	20,225	20,222	20,571	19,856	81,791	65,349	76,384
41,334	0,199	0,201	0,464	0,337	0,382	126,140	19,067	25,649	-106,546	4,455	20,229	20,213	20,568	19,856	81,698	65,379	76,365
41,500	0,199	0,202	0,464	0,333	0,360	126,339	19,082	26,109	-104,555	31,634	20,237	20,217	20,570	19,854	82,102	65,449	76,572

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
35,667	58,692	1,610	1,533	20420,540	21942,052	-0,647	0,037	500,452	12,007	15,264	5,044	2017-09-13 10:41
35,834	58,570	1,595	1,531	21042,758	22897,286	-0,640	0,038	500,451	12,671	15,154	5,026	2017-09-13 10:41
36,000	58,388	1,602	1,530	21957,203	23095,205	-0,643	0,038	500,358	12,118	15,508	5,084	2017-09-13 10:41
36,167	58,248	1,595	1,533	22561,510	23937,306	-0,643	0,036	500,358	12,508	15,457	5,076	2017-09-13 10:41
36,334	58,172	1,606	1,533	23348,035	24358,460	-0,654	0,037	500,358	12,540	15,346	5,057	2017-09-13 10:42
36,500	58,183	1,573	1,531	23570,377	24730,097	-0,650	0,037	500,358	12,428	15,378	5,063	2017-09-13 10:42
36,667	58,334	1,602	1,531	23776,121	25707,803	-0,654	0,036	500,264	12,714	15,087	5,014	2017-09-13 10:42
36,833	58,525	1,588	1,529	23795,883	25759,247	-0,758	0,037	500,264	12,777	15,541	5,089	2017-09-13 10:42
37,000	58,715	1,607	1,532	24127,856	25522,094	-0,661	0,037	500,264	12,323	15,473	5,078	2017-09-13 10:42
37,167	58,876	1,611	1,532	24040,223	25710,524	-0,682	0,037	500,127	12,376	14,911	4,985	2017-09-13 10:42
37,333	58,964	1,594	1,530	23985,680	25742,247	-0,678	0,037	500,127	12,689	15,060	5,010	2017-09-13 10:43
37,500	58,995	1,607	1,531	24475,820	25368,363	-0,678	0,037	500,127	12,958	14,822	4,970	2017-09-13 10:43
37,667	58,945	1,602	1,530	24734,604	25503,147	-0,678	0,037	500,127	12,773	15,016	5,003	2017-09-13 10:43
37,833	58,848	1,612	1,533	25070,022	25239,990	-0,657	0,037	500,033	12,619	14,952	4,992	2017-09-13 10:43
38,000	58,807	1,599	1,532	25066,569	26495,976	-0,654	0,036	500,127	12,636	15,665	5,110	2017-09-13 10:43
38,167	58,797	1,611	1,530	25715,262	27217,441	-0,650	0,037	499,939	13,229	15,558	5,092	2017-09-13 10:43
38,333	58,850	1,601	1,530	26046,200	27217,351	-0,657	0,036	499,939	12,903	14,966	4,994	2017-09-13 10:44
38,500	58,968	1,616	1,530	26384,279	27695,668	-0,650	0,037	499,940	12,878	15,022	5,004	2017-09-13 10:44
38,667	59,122	1,599	1,532	26450,292	27644,400	-0,869	0,037	499,939	12,930	15,101	5,017	2017-09-13 10:44
38,833	59,192	1,607	1,532	26505,995	27585,948	-0,862	0,037	499,846	12,696	15,218	5,036	2017-09-13 10:44
39,000	59,283	1,603	1,532	26739,597	27813,485	-0,664	0,037	499,846	13,430	15,397	5,066	2017-09-13 10:44
39,167	59,341	1,617	1,531	26965,397	27874,948	-0,859	0,038	499,846	13,358	15,374	5,062	2017-09-13 10:44
39,333	59,373	1,602	1,530	27109,782	28059,739	-0,859	0,037	499,752	13,149	15,632	5,104	2017-09-13 10:45
39,500	59,373	1,604	1,530	27370,122	28844,004	-0,668	0,037	499,752	13,556	15,033	5,005	2017-09-13 10:45
39,667	59,293	1,610	1,531	27917,045	28760,312	-0,647	0,037	499,658	13,672	15,018	5,003	2017-09-13 10:45
39,833	59,231	1,599	1,529	28237,700	29038,372	-0,862	0,037	499,658	13,160	15,140	5,023	2017-09-13 10:45
40,000	59,235	1,626	1,533	28663,622	29469,007	-0,873	0,037	499,752	13,616	15,188	5,031	2017-09-13 10:45
40,167	59,270	1,606	1,531	28514,183	29974,559	-0,862	0,037	499,658	13,473	15,120	5,020	2017-09-13 10:45
40,333	59,278	1,628	1,530	29274,212	29657,049	-0,876	0,036	499,658	13,393	15,250	5,041	2017-09-13 10:46
40,500	59,352	1,604	1,532	29058,499	29943,700	-0,862	0,036	499,565	13,597	15,099	5,016	2017-09-13 10:46
40,667	59,437	1,612	1,531	29161,904	30396,644	-0,650	0,036	499,564	13,508	14,961	4,993	2017-09-13 10:46
40,834	59,458	1,612	1,527	29323,319	30184,798	-0,654	0,037	499,564	13,291	15,028	5,005	2017-09-13 10:46
41,000	59,496	1,598	1,529	29239,487	30001,173	-0,671	0,037	499,564	13,517	15,506	5,084	2017-09-13 10:46
41,167	59,479	1,620	1,529	29575,042	30403,839	-0,664	0,037	499,565	13,518	14,878	4,980	2017-09-13 10:46
41,334	59,459	1,595	1,529	29574,448	29706,270	-0,657	0,037	499,471	13,498	15,278	5,046	2017-09-13 10:47
41,500	59,441	1,629	1,528	29946,185	30958,448	-0,661	0,038	499,471	13,305	14,405	4,900	2017-09-13 10:47

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
41,667	0,199	0,202	0,464	0,339	0,379	126,598	19,066	20,852	-105,583	24,268	20,229	20,214	20,570	19,853	82,044	65,431	76,561
41,834	0,199	0,201	0,463	0,335	0,377	126,564	19,116	22,683	-103,473	16,365	20,238	20,205	20,558	19,853	81,936	65,370	76,688
42,000	0,199	0,201	0,463	0,336	0,376	126,603	19,099	26,075	-102,646	12,323	20,243	20,217	20,558	19,854	82,157	65,408	76,641
42,167	0,199	0,201	0,463	0,330	0,381	126,626	19,070	27,754	-104,157	11,797	20,233	20,197	20,562	19,850	82,080	65,300	76,603
42,334	0,199	0,201	0,463	0,337	0,385	126,725	19,085	28,907	-102,571	27,986	20,233	20,201	20,554	19,846	82,273	65,435	76,763
42,500	0,199	0,201	0,463	0,338	0,369	126,846	19,121	24,523	-93,360	25,350	20,239	20,212	20,568	19,852	82,153	65,377	76,805
42,667	0,199	0,201	0,463	0,343	0,370	126,946	19,143	22,769	-90,219	21,856	20,230	20,196	20,568	19,853	82,211	65,501	76,874
42,834	0,199	0,201	0,463	0,336	0,384	127,068	19,138	26,497	-89,271	5,399	20,244	20,208	20,556	19,848	82,175	65,491	76,761
43,000	0,199	0,202	0,463	0,348	0,382	127,134	19,146	30,009	-92,036	24,615	20,235	20,201	20,563	19,849	82,295	65,476	76,780
43,167	0,199	0,202	0,463	0,339	0,367	127,446	19,113	29,081	-87,833	21,482	20,221	20,199	20,566	19,850	82,317	65,470	76,838
43,333	0,199	0,201	0,463	0,338	0,369	127,673	19,136	25,835	-94,949	26,553	20,231	20,208	20,549	19,849	82,542	65,506	76,905
43,500	0,199	0,202	0,463	0,341	0,372	127,931	19,190	27,630	-100,822	8,554	20,234	20,197	20,558	19,846	82,411	65,513	76,999
43,667	0,199	0,202	0,462	0,325	0,381	128,074	19,135	31,300	-93,622	15,430	20,242	20,196	20,559	19,844	82,661	65,462	76,997
43,833	0,199	0,202	0,462	0,341	0,376	128,417	19,173	32,775	-85,311	18,928	20,227	20,199	20,568	19,846	82,584	65,455	77,113
44,000	0,199	0,202	0,462	0,332	0,365	128,650	19,161	33,256	-77,153	18,459	20,230	20,192	20,571	19,848	83,046	65,468	77,138
44,167	0,199	0,202	0,462	0,344	0,359	128,775	19,185	31,994	-79,510	28,371	20,233	20,189	20,551	19,845	82,556	65,460	77,288
44,333	0,199	0,202	0,462	0,340	0,374	128,915	19,166	29,010	-78,409	26,743	20,240	20,191	20,556	19,849	82,525	65,433	77,248
44,500	0,199	0,202	0,462	0,349	0,382	129,125	19,187	26,617	-74,600	22,993	20,225	20,184	20,558	19,845	82,918	65,460	77,181
44,667	0,199	0,201	0,462	0,340	0,381	129,236	19,183	24,157	-68,887	22,628	20,222	20,199	20,563	19,849	82,675	65,404	77,207
44,833	0,199	0,201	0,461	0,331	0,365	129,571	19,182	24,564	-70,833	20,445	20,226	20,189	20,554	19,846	83,049	65,419	77,205
45,000	0,199	0,202	0,462	0,347	0,368	129,746	19,189	22,296	-65,950	24,005	20,243	20,189	20,556	19,848	83,028	65,424	77,267
45,167	0,199	0,202	0,461	0,342	0,375	129,843	19,155	24,429	-59,189	4,091	20,233	20,189	20,562	19,846	82,629	65,363	77,254
45,333	0,199	0,202	0,461	0,337	0,379	129,909	19,185	29,212	-58,699	14,838	20,234	20,188	20,554	19,846	82,834	65,429	77,307
45,500	0,199	0,202	0,461	0,345	0,381	130,088	19,195	31,503	-58,675	14,313	20,227	20,180	20,560	19,846	83,008	65,308	77,228
45,667	0,199	0,202	0,461	0,348	0,389	130,152	19,216	31,374	-63,416	27,325	20,236	20,183	20,560	19,846	83,177	65,272	77,296
45,833	0,199	0,202	0,461	0,357	0,384	130,108	19,229	25,933	-63,415	29,770	20,244	20,192	20,562	19,848	83,049	65,261	77,327
46,000	0,199	0,202	0,461	0,354	0,382	130,238	19,183	24,566	-65,506	21,054	20,233	20,195	20,558	19,850	83,107	65,172	77,362
46,167	0,199	0,202	0,461	0,364	0,372	130,287	19,187	22,340	-62,849	23,170	20,247	20,183	20,559	19,849	82,953	65,283	77,432
46,333	0,199	0,202	0,461	0,346	0,380	130,410	19,212	21,126	-59,290	15,986	20,225	20,186	20,573	19,852	83,072	65,305	77,388
46,500	0,199	0,201	0,460	0,349	0,377	130,551	19,221	19,404	-60,356	15,721	20,233	20,176	20,547	19,846	83,204	65,292	77,371
46,667	0,199	0,201	0,460	0,350	0,384	130,533	19,200	20,710	-59,490	8,658	20,235	20,191	20,558	19,848	83,069	65,285	77,362
46,833	0,199	0,201	0,460	0,339	0,374	130,663	19,203	24,382	-68,031	12,261	20,242	20,191	20,556	19,850	83,012	65,322	77,409
47,000	0,199	0,201	0,460	0,352	0,377	131,123	19,207	22,250	-63,189	28,353	20,237	20,177	20,559	19,853	82,818	65,280	77,350
47,167	0,199	0,201	0,460	0,346	0,367	131,211	19,219	22,396	-62,203	12,601	20,237	20,195	20,562	19,850	82,843	65,206	77,316
47,334	0,199	0,201	0,459	0,357	0,380	131,378	19,206	20,246	-60,496	19,610	20,246	20,201	20,570	19,857	83,033	65,170	77,309
47,500	0,199	0,201	0,459	0,344	0,373	131,290	19,244	23,467	-63,567	7,583	20,239	20,187	20,558	19,846	83,068	65,118	77,321

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
41,667	59,361	1,612	1,529	30084,453	30552,582	-0,689	0,038	499,471	13,554	15,159	5,026	2017-09-13 10:47
41,834	59,289	1,611	1,526	30383,856	30451,254	-0,668	0,037	499,330	13,403	15,067	5,011	2017-09-13 10:47
42,000	59,301	1,622	1,525	30257,963	31007,554	-0,671	0,037	499,330	13,443	15,020	5,003	2017-09-13 10:47
42,167	59,334	1,602	1,525	30128,649	30670,183	-0,664	0,037	499,330	13,201	15,243	5,040	2017-09-13 10:47
42,334	59,317	1,625	1,525	30442,690	31232,175	-0,668	0,037	499,330	13,496	15,416	5,069	2017-09-13 10:48
42,500	59,337	1,608	1,527	30511,172	30787,919	-0,664	0,037	499,330	13,521	14,743	4,957	2017-09-13 10:48
42,667	59,380	1,616	1,525	30524,113	30811,420	-0,650	0,037	499,330	13,712	14,797	4,966	2017-09-13 10:48
42,834	59,341	1,614	1,525	30392,962	30718,245	-0,664	0,037	499,236	13,444	15,374	5,062	2017-09-13 10:48
43,000	59,313	1,616	1,525	30481,136	31010,706	-0,668	0,038	499,236	13,908	15,265	5,044	2017-09-13 10:48
43,167	59,318	1,614	1,526	30594,147	31036,326	-0,678	0,038	499,237	13,565	14,672	4,945	2017-09-13 10:48
43,333	59,268	1,616	1,524	30754,451	31408,375	-0,664	0,037	499,236	13,529	14,767	4,961	2017-09-13 10:49
43,500	59,134	1,617	1,525	31172,969	31173,408	-0,633	0,038	499,236	13,626	14,892	4,982	2017-09-13 10:49
43,667	59,093	1,609	1,524	31216,673	31585,284	-0,650	0,038	499,142	12,987	15,220	5,037	2017-09-13 10:49
43,833	59,092	1,627	1,525	31441,897	31797,492	-0,675	0,038	499,143	13,652	15,053	5,009	2017-09-13 10:49
44,000	59,101	1,619	1,525	31462,158	32473,568	-0,678	0,038	499,143	13,293	14,592	4,931	2017-09-13 10:49
44,167	59,108	1,623	1,523	31686,161	31660,645	-0,661	0,038	499,049	13,764	14,363	4,893	2017-09-13 10:49
44,333	59,071	1,615	1,522	31654,520	31489,601	-0,675	0,038	499,049	13,589	14,961	4,994	2017-09-13 10:50
44,500	59,031	1,616	1,524	31645,953	32183,727	-0,880	0,038	499,044	13,947	15,291	5,048	2017-09-13 10:50
44,667	59,015	1,616	1,523	31696,045	31845,540	-0,629	0,037	499,048	13,616	15,232	5,039	2017-09-13 10:50
44,833	59,015	1,608	1,524	31714,091	32349,671	-0,848	0,037	499,017	13,251	14,611	4,935	2017-09-13 10:50
45,000	59,006	1,614	1,521	31791,806	32433,591	-0,650	0,038	499,049	13,900	14,721	4,953	2017-09-13 10:50
45,167	58,903	1,602	1,521	31946,095	31555,630	-0,643	0,038	498,955	13,684	15,018	5,003	2017-09-13 10:50
45,333	58,747	1,625	1,521	32309,181	32279,898	-0,643	0,038	498,955	13,493	15,149	5,025	2017-09-13 10:51
45,500	58,689	1,616	1,524	32332,994	32653,251	-0,650	0,038	498,955	13,811	15,256	5,042	2017-09-13 10:51
45,667	58,673	1,616	1,520	32394,361	33025,858	-0,654	0,038	498,862	13,915	15,559	5,092	2017-09-13 10:51
45,833	58,680	1,617	1,524	32518,525	32826,314	-0,643	0,038	498,861	14,300	15,363	5,060	2017-09-13 10:51
46,000	58,680	1,620	1,523	32556,231	33151,583	-0,664	0,038	498,862	14,158	15,266	5,044	2017-09-13 10:51
46,167	58,672	1,619	1,522	32669,503	32642,457	-0,650	0,038	498,862	14,579	14,888	4,981	2017-09-13 10:51
46,333	58,664	1,619	1,521	32588,381	32829,711	-0,661	0,038	498,861	13,833	15,194	5,032	2017-09-13 10:52
46,500	58,663	1,622	1,523	32602,027	33148,480	-0,671	0,037	498,768	13,942	15,081	5,014	2017-09-13 10:52
46,667	58,653	1,618	1,522	32588,004	32836,131	-0,650	0,037	498,768	14,007	15,371	5,061	2017-09-13 10:52
46,833	58,648	1,620	1,521	32665,621	32702,819	-0,643	0,037	498,768	13,541	14,975	4,996	2017-09-13 10:52
47,000	58,584	1,626	1,519	32627,218	32547,867	-0,650	0,037	498,768	14,079	15,079	5,013	2017-09-13 10:52
47,167	58,522	1,614	1,522	32738,738	32493,767	-0,636	0,037	498,768	13,834	14,674	4,945	2017-09-13 10:52
47,334	58,472	1,619	1,520	32771,826	33005,186	-0,657	0,037	498,628	14,260	15,205	5,034	2017-09-13 10:53
47,500	58,458	1,613	1,520	32819,692	33044,487	-0,636	0,036	498,628	13,766	14,903	4,984	2017-09-13 10:53

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
47,667	0,199	0,201	0,459	0,346	0,384	131,322	19,258	29,071	-65,220	16,709	20,234	20,184	20,571	19,850	83,007	65,070	77,251
47,834	0,199	0,201	0,459	0,354	0,379	131,524	19,251	30,732	-66,361	22,522	20,250	20,195	20,568	19,852	83,150	64,231	76,566
48,000	0,199	0,201	0,459	0,346	0,379	131,526	19,258	24,072	-64,676	30,799	20,237	20,179	20,556	19,849	83,142	64,925	77,316
48,167	0,199	0,201	0,459	0,347	0,377	131,580	19,275	24,620	-65,546	9,535	20,250	20,186	20,559	19,849	83,093	65,024	77,332
48,334	0,199	0,201	0,459	0,340	0,377	131,655	19,251	28,547	-66,100	11,106	20,238	20,183	20,551	19,845	83,232	65,136	77,442
48,500	0,199	0,201	0,459	0,353	0,375	131,751	19,246	28,476	-68,884	30,483	20,234	20,174	20,541	19,845	83,186	65,118	77,447
48,667	0,199	0,201	0,458	0,356	0,382	131,804	19,217	26,979	-68,017	14,998	20,236	20,173	20,562	19,848	83,328	65,171	77,470
48,834	0,199	0,201	0,458	0,352	0,387	132,131	19,221	28,261	-72,288	12,076	20,247	20,197	20,577	19,854	83,205	65,204	77,432
49,000	0,199	0,201	0,458	0,359	0,375	132,100	19,216	30,412	-74,733	24,661	20,242	20,170	20,546	19,848	83,742	65,109	77,492
49,167	0,199	0,201	0,458	0,345	0,371	132,052	19,237	25,108	-70,156	29,597	20,246	20,182	20,568	19,853	83,250	65,171	77,559
49,334	0,199	0,201	0,458	0,353	0,375	132,092	19,247	25,319	-69,857	14,996	20,238	20,179	20,547	19,849	83,174	65,136	77,512
49,500	0,199	0,201	0,458	0,347	0,377	132,074	19,285	27,071	-69,699	9,945	20,233	20,188	20,568	19,854	83,289	65,172	77,498
49,667	0,199	0,201	0,458	0,357	0,378	132,032	19,287	30,842	-70,836	16,996	20,247	20,182	20,560	19,853	83,085	65,130	77,471
49,834	0,199	0,201	0,458	0,355	0,383	131,994	19,267	35,446	-68,028	19,542	20,247	20,183	20,549	19,852	83,353	65,042	77,352
50,000	0,199	0,201	0,458	0,349	0,378	131,944	19,235	33,398	-67,659	31,317	20,256	20,183	20,572	19,857	83,091	64,993	77,363
50,167	0,199	0,201	0,458	0,359	0,380	132,017	19,257	25,994	-59,746	29,695	20,226	20,174	20,559	19,845	82,862	65,046	77,332
50,333	0,199	0,201	0,457	0,346	0,382	132,021	19,265	22,522	-56,306	21,358	20,238	20,178	20,559	19,850	82,738	64,949	77,225
50,500	0,199	0,201	0,457	0,353	0,381	132,041	19,202	21,013	-54,589	16,696	20,250	20,170	20,547	19,850	82,928	64,934	77,231
50,667	0,199	0,201	0,457	0,346	0,379	132,154	19,208	19,270	-60,919	17,662	20,243	20,177	20,545	19,852	82,938	64,891	77,212
50,833	0,199	0,201	0,457	0,354	0,379	132,037	19,236	19,429	-60,160	14,180	20,240	20,174	20,564	19,849	82,861	65,017	77,258
51,000	0,199	0,201	0,457	0,350	0,373	132,180	19,285	20,028	-55,014	11,717	20,242	20,171	20,559	19,850	82,839	64,961	77,128
51,167	0,199	0,201	0,457	0,362	0,382	132,375	19,232	24,182	-51,116	4,985	20,247	20,173	20,566	19,853	82,631	64,980	77,112
51,333	0,199	0,201	0,457	0,348	0,372	132,492	19,224	31,338	-45,690	17,418	20,233	20,171	20,564	19,852	82,692	64,970	77,124
51,500	0,199	0,201	0,457	0,357	0,381	132,747	19,290	28,637	-49,049	30,345	20,245	20,198	20,584	19,873	82,970	64,949	77,077
51,667	0,199	0,201	0,457	0,351	0,375	132,758	19,301	25,541	-54,102	17,245	20,242	20,175	20,550	19,852	82,826	64,964	77,134
51,833	0,199	0,201	0,457	0,351	0,387	132,660	19,299	24,352	-54,028	26,026	20,244	20,182	20,557	19,853	82,737	64,926	77,082
52,000	0,199	0,202	0,456	0,350	0,378	132,496	19,249	26,109	-58,674	8,033	20,234	20,175	20,554	19,849	82,691	64,881	77,135
52,167	0,199	0,201	0,456	0,342	0,384	132,347	19,356	31,669	-57,726	17,321	20,248	20,170	20,562	19,853	82,469	64,879	77,024
52,333	0,199	0,202	0,457	0,354	0,375	132,467	19,406	26,143	-45,487	26,236	20,240	20,188	20,547	19,849	82,321	64,865	76,997
52,500	0,199	0,202	0,456	0,356	0,370	132,507	19,349	26,156	-39,652	11,105	20,238	20,178	20,545	19,848	82,810	64,834	77,021
52,667	0,199	0,202	0,456	0,353	0,380	132,675	19,338	25,074	-40,850	28,139	20,247	20,172	20,539	19,845	82,637	64,820	77,076
52,833	0,199	0,202	0,456	0,357	0,369	132,812	19,336	22,945	-41,921	13,846	20,236	20,169	20,556	19,845	82,899	64,895	77,109
53,000	0,199	0,201	0,456	0,349	0,373	132,807	19,334	21,989	-40,103	15,450	20,234	20,175	20,541	19,848	83,076	64,927	77,169
53,167	0,199	0,201	0,455	0,344	0,382	132,793	19,387	21,680	-39,779	11,410	20,244	20,158	20,545	19,846	83,226	64,885	77,065
53,333	0,199	0,201	0,456	0,356	0,371	132,778	19,462	26,383	-37,805	8,495	20,230	20,174	20,553	19,850	83,215	64,916	77,238
53,500	0,199	0,201	0,458	0,354	0,374	132,952	19,339	28,079	-30,293	29,122	20,225	20,165	20,559	19,848	82,928	64,885	77,248

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
47,667	58,456	1,617	1,521	32723,429	33108,633	-0,647	0,036	498,534	13,830	15,376	5,062	2017-09-13 10:53
47,834	58,452	1,490	1,521	31538,953	32197,233	-0,661	0,037	498,628	14,156	15,164	5,027	2017-09-13 10:53
48,000	58,440	1,624	1,520	32843,603	33761,855	-0,643	0,037	498,534	13,833	15,172	5,029	2017-09-13 10:53
48,167	58,439	1,605	1,521	32892,676	33101,051	-0,640	0,036	498,534	13,873	15,099	5,017	2017-09-13 10:53
48,334	58,447	1,619	1,521	33074,781	33449,933	-0,650	0,037	498,534	13,586	15,086	5,014	2017-09-13 10:54
48,500	58,451	1,620	1,520	33055,894	33399,607	-0,654	0,036	498,534	14,118	15,006	5,001	2017-09-13 10:54
48,667	58,440	1,613	1,518	33073,107	33423,159	-0,657	0,036	498,440	14,248	15,260	5,043	2017-09-13 10:54
48,834	58,413	1,621	1,521	33114,999	33295,442	-0,650	0,037	498,440	14,084	15,487	5,081	2017-09-13 10:54
49,000	58,380	1,612	1,519	33224,768	34282,194	-0,654	0,036	498,440	14,342	14,992	4,999	2017-09-13 10:54
49,167	58,350	1,619	1,521	33441,072	33414,612	-0,650	0,037	498,440	13,819	14,860	4,977	2017-09-13 10:54
49,334	58,340	1,615	1,518	33310,470	33249,357	-0,633	0,036	498,347	14,107	14,985	4,998	2017-09-13 10:55
49,500	58,309	1,623	1,519	33357,007	33563,571	-0,636	0,036	498,347	13,869	15,072	5,012	2017-09-13 10:55
49,667	58,240	1,620	1,521	33480,189	33194,452	-0,852	0,036	498,347	14,292	15,117	5,020	2017-09-13 10:55
49,834	58,211	1,619	1,520	33302,108	33848,322	-0,855	0,036	498,347	14,197	15,326	5,054	2017-09-13 10:55
50,000	58,194	1,611	1,521	33366,664	33269,083	-0,848	0,037	498,347	13,968	15,112	5,019	2017-09-13 10:55
50,167	58,163	1,626	1,521	33367,202	33067,592	-0,647	0,037	498,347	14,353	15,206	5,034	2017-09-13 10:55
50,333	58,171	1,614	1,521	33180,199	32777,303	-0,623	0,037	498,252	13,834	15,294	5,049	2017-09-13 10:56
50,500	58,200	1,623	1,520	33107,658	33342,218	-0,657	0,036	498,252	14,101	15,226	5,038	2017-09-13 10:56
50,667	58,261	1,613	1,521	32995,367	33225,458	-0,643	0,037	498,253	13,848	15,151	5,025	2017-09-13 10:56
50,833	58,271	1,623	1,520	33035,553	33060,844	-0,654	0,037	498,253	14,175	15,174	5,029	2017-09-13 10:56
51,000	58,270	1,620	1,523	32873,452	33064,373	-0,654	0,037	498,253	14,017	14,919	4,986	2017-09-13 10:56
51,167	58,265	1,619	1,521	32813,389	32622,068	-0,643	0,037	498,159	14,471	15,298	5,050	2017-09-13 10:56
51,333	58,243	1,621	1,519	32823,374	32799,464	-0,640	0,037	498,159	13,906	14,899	4,983	2017-09-13 10:57
51,500	58,215	1,616	1,523	32875,097	33247,393	-0,643	0,037	498,159	14,261	15,225	5,037	2017-09-13 10:57
51,667	58,202	1,628	1,521	32969,901	33182,924	-0,657	0,037	498,159	14,024	14,995	4,999	2017-09-13 10:57
51,833	58,179	1,612	1,521	32917,659	32771,061	-0,640	0,037	498,159	14,027	15,464	5,077	2017-09-13 10:57
52,000	58,167	1,619	1,520	33008,073	32907,328	-0,633	0,038	498,065	14,012	15,127	5,021	2017-09-13 10:57
52,167	58,159	1,620	1,520	32821,813	32528,831	-0,654	0,037	498,065	13,687	15,342	5,057	2017-09-13 10:57
52,333	58,165	1,617	1,526	32892,230	32209,622	-0,647	0,038	498,159	14,168	15,005	5,001	2017-09-13 10:58
52,500	58,189	1,615	1,528	32941,887	33138,584	-0,852	0,039	498,065	14,231	14,792	4,965	2017-09-13 10:58
52,667	58,198	1,617	1,528	33016,949	32891,910	-0,866	0,038	498,065	14,125	15,192	5,032	2017-09-13 10:58
52,833	58,199	1,618	1,530	33120,633	33255,864	-0,647	0,038	497,972	14,283	14,778	4,963	2017-09-13 10:58
53,000	58,185	1,623	1,530	33242,508	33619,133	-0,650	0,037	497,972	13,964	14,934	4,989	2017-09-13 10:58
53,167	58,180	1,616	1,530	33071,479	33833,157	-0,647	0,037	497,831	13,740	15,261	5,043	2017-09-13 10:58
53,333	58,204	1,621	1,529	33305,546	33865,322	-0,845	0,037	497,972	14,230	14,849	4,975	2017-09-13 10:59
53,500	58,289	1,617	1,530	33215,034	33308,579	-0,859	0,037	498,347	14,156	14,955	4,993	2017-09-13 10:59

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
53,667	0,199	0,201	0,473	0,354	0,373	133,228	19,339	23,621	-27,250	21,627	20,243	20,166	20,543	19,846	83,003	64,930	77,175
53,833	0,199	0,201	0,455	0,349	0,384	133,711	19,345	26,449	-27,884	7,749	20,239	20,165	20,552	19,846	82,941	65,000	77,247
54,000	0,199	0,202	0,442	0,357	0,366	133,933	19,349	23,567	-30,886	24,982	20,259	20,156	20,545	19,848	83,131	64,961	77,194
54,167	0,199	0,201	0,471	0,356	0,369	134,342	19,317	10,986	-27,779	22,216	20,247	20,166	20,543	19,852	82,965	65,005	77,225
54,334	0,199	0,201	0,472	0,359	0,375	134,554	19,281	23,755	-28,560	25,238	20,244	20,174	20,547	19,849	82,783	64,993	77,263
54,500	0,199	0,201	0,485	0,357	0,375	134,594	19,331	29,476	-23,979	13,321	20,242	20,175	20,559	19,853	83,057	65,062	77,331
54,667	0,199	0,201	0,486	0,364	0,380	134,790	19,343	31,731	-23,297	28,182	20,237	20,184	20,562	19,849	83,268	65,019	77,307
54,834	0,199	0,201	0,485	0,343	0,385	134,787	19,349	30,270	-25,903	21,173	20,250	20,170	20,559	19,849	83,205	65,073	77,340
55,000	0,199	0,201	0,486	0,362	0,384	134,825	19,355	31,293	-20,483	14,092	20,234	20,183	20,558	19,848	83,033	65,009	77,298
55,167	0,199	0,201	0,485	0,345	0,377	134,718	19,347	33,539	-23,264	27,062	20,246	20,183	20,559	19,854	83,134	65,009	77,317
55,334	0,199	0,201	0,484	0,357	0,365	134,637	19,373	29,730	-20,245	15,871	20,230	20,183	20,553	19,853	83,073	65,017	77,305
55,500	0,199	0,201	0,484	0,352	0,372	134,572	19,398	29,555	-17,814	24,191	20,247	20,179	20,567	19,854	83,031	65,034	77,373
55,667	0,199	0,201	0,484	0,357	0,372	134,764	19,320	25,553	-12,534	21,723	20,241	20,173	20,558	19,857	83,126	65,067	77,347
55,834	0,199	0,202	0,484	0,354	0,376	134,716	19,308	21,094	-12,426	21,475	20,242	20,184	20,558	19,854	83,138	65,108	77,365
56,000	0,199	0,202	0,483	0,351	0,363	134,742	19,284	18,990	-7,236	18,709	20,243	20,178	20,546	19,850	83,201	65,129	77,370
56,167	0,199	0,202	0,483	0,357	0,384	134,728	19,334	23,890	-4,853	1,962	20,255	20,175	20,563	19,861	83,293	65,109	77,367
56,334	0,199	0,202	0,485	0,350	0,376	134,896	19,304	29,988	-3,003	17,308	20,238	20,175	20,559	19,852	83,427	65,168	77,419
56,500	0,199	0,202	0,485	0,349	0,370	134,797	19,335	27,629	-0,208	31,546	20,255	20,181	20,559	19,856	83,227	65,149	77,439
56,667	0,199	0,202	0,485	0,360	0,376	134,807	19,336	24,733	-5,307	22,929	20,239	20,175	20,555	19,853	83,119	65,188	77,459
56,834	0,199	0,201	0,485	0,349	0,381	134,884	19,332	21,569	-3,771	21,944	20,235	20,174	20,564	19,852	83,336	65,140	77,382
57,000	0,199	0,201	0,486	0,358	0,380	134,971	19,313	21,475	0,288	11,498	20,252	20,186	20,568	19,853	83,411	65,174	77,420
57,167	0,199	0,201	0,485	0,368	0,373	135,007	19,304	22,288	-0,896	18,915	20,234	20,186	20,562	19,852	83,403	65,153	77,502
57,333	0,199	0,201	0,485	0,362	0,374	134,963	19,299	20,660	2,430	21,495	20,248	20,192	20,566	19,853	83,126	65,194	77,438
57,500	0,199	0,202	0,485	0,362	0,386	134,994	19,326	19,663	5,078	22,103	20,239	20,192	20,554	19,852	83,416	65,194	77,367
57,667	0,199	0,201	0,485	0,363	0,367	134,939	19,353	21,501	4,450	8,466	20,252	20,186	20,567	19,852	83,216	65,231	77,502
57,833	0,199	0,201	0,485	0,355	0,374	134,845	19,386	23,003	7,380	9,493	20,244	20,167	20,564	19,853	83,335	65,222	77,444
58,000	0,199	0,201	0,485	0,353	0,370	134,940	19,348	27,458	8,783	11,847	20,251	20,178	20,566	19,853	83,151	65,285	77,527
58,167	0,199	0,201	0,482	0,365	0,380	134,920	19,331	26,487	13,663	32,011	20,244	20,184	20,560	19,852	83,270	65,231	77,440
58,333	0,199	0,201	0,482	0,361	0,384	135,033	19,284	24,009	17,153	12,336	20,251	20,195	20,564	19,853	83,416	65,235	77,505
58,500	0,199	0,201	0,482	0,349	0,372	135,045	19,284	21,859	16,585	19,437	20,239	20,180	20,553	19,852	83,301	65,264	77,550
58,667	0,199	0,201	0,482	0,362	0,374	135,071	19,334	23,071	15,485	13,658	20,252	20,180	20,558	19,854	83,503	65,231	77,494
58,833	0,199	0,201	0,481	0,357	0,383	135,194	19,300	24,111	18,968	15,945	20,238	20,182	20,550	19,849	83,265	65,268	77,516
59,000	0,199	0,201	0,482	0,353	0,366	135,199	19,287	21,447	19,913	24,044	20,252	20,194	20,554	19,854	83,724	65,307	77,602
59,167	0,199	0,201	0,481	0,358	0,377	135,327	19,220	19,671	23,989	19,227	20,258	20,200	20,564	19,856	83,597	65,299	77,654
59,333	0,199	0,201	0,481	0,367	0,369	135,396	19,285	18,222	24,102	17,622	20,248	20,195	20,555	19,853	83,447	65,365	77,762
59,500	0,199	0,201	0,481	0,367	0,380	135,537	19,327	18,578	25,895	15,097	20,252	20,197	20,566	19,854	83,946	65,432	77,744

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
53,667	58,298	1,614	1,528	33013,891	33303,019	-0,869	0,037	501,219	14,158	14,902	4,984	2017-09-13 10:59
53,833	58,301	1,619	1,529	33162,677	33151,944	-0,640	0,037	497,831	13,942	15,353	5,058	2017-09-13 10:59
54,000	58,311	1,614	1,529	33051,389	33482,795	-0,636	0,038	495,343	14,274	14,657	4,942	2017-09-13 10:59
54,167	58,319	1,620	1,529	33093,785	33209,060	-0,654	0,037	500,826	14,225	14,750	4,958	2017-09-13 10:59
54,334	58,328	1,617	1,531	33172,986	32832,766	-0,664	0,037	500,926	14,369	15,016	5,003	2017-09-13 11:00
54,500	58,329	1,619	1,531	33289,900	33262,884	-0,664	0,037	503,360	14,269	15,010	5,002	2017-09-13 11:00
54,667	58,328	1,613	1,530	33248,288	33589,768	-0,657	0,037	503,547	14,577	15,182	5,030	2017-09-13 11:00
54,834	58,325	1,623	1,529	33285,463	33590,082	-0,671	0,037	503,360	13,715	15,383	5,063	2017-09-13 11:00
55,000	58,326	1,616	1,530	33236,389	33249,948	-0,685	0,037	503,641	14,499	15,359	5,060	2017-09-13 11:00
55,167	58,352	1,616	1,530	33221,077	33430,344	-0,866	0,037	503,453	13,805	15,078	5,013	2017-09-13 11:00
55,334	58,382	1,616	1,528	33098,313	33299,629	-0,880	0,037	503,266	14,281	14,616	4,936	2017-09-13 11:01
55,500	58,391	1,613	1,528	33192,867	33144,137	-0,873	0,037	503,266	14,061	14,874	4,979	2017-09-13 11:01
55,667	58,405	1,611	1,529	33144,363	33200,967	-0,664	0,037	503,267	14,297	14,898	4,983	2017-09-13 11:01
55,834	58,416	1,621	1,530	33178,792	33352,940	-0,876	0,038	503,266	14,163	15,058	5,010	2017-09-13 11:01
56,000	58,436	1,622	1,530	33165,055	33451,938	-0,873	0,040	503,123	14,028	14,539	4,923	2017-09-13 11:01
56,167	58,447	1,616	1,528	33090,148	33543,226	-0,855	0,039	503,123	14,273	15,353	5,058	2017-09-13 11:01
56,334	58,448	1,621	1,529	33207,186	33792,199	-0,855	0,038	503,454	14,003	15,023	5,004	2017-09-13 11:02
56,500	58,449	1,616	1,529	33238,178	33338,088	-0,862	0,038	503,453	13,970	14,813	4,969	2017-09-13 11:02
56,667	58,458	1,622	1,530	33267,113	33187,261	-0,859	0,039	503,453	14,412	15,053	5,009	2017-09-13 11:02
56,834	58,475	1,616	1,529	33090,452	33555,702	-0,848	0,037	503,453	13,949	15,256	5,043	2017-09-13 11:02
57,000	58,484	1,616	1,530	33165,306	33633,680	-0,876	0,037	503,547	14,300	15,185	5,031	2017-09-13 11:02
57,167	58,503	1,609	1,529	33251,482	33507,997	-0,859	0,037	503,453	14,723	14,927	4,988	2017-09-13 11:02
57,333	58,514	1,624	1,528	33091,635	33232,538	-0,873	0,037	503,360	14,464	14,979	4,997	2017-09-13 11:03
57,500	58,515	1,615	1,528	32970,919	33580,447	-0,862	0,038	503,360	14,473	15,449	5,074	2017-09-13 11:03
57,667	58,519	1,621	1,529	33225,824	33266,906	-0,841	0,037	503,360	14,502	14,694	4,949	2017-09-13 11:03
57,833	58,531	1,619	1,529	33103,273	33464,833	-0,845	0,037	503,360	14,196	14,976	4,996	2017-09-13 11:03
58,000	58,538	1,621	1,529	33233,931	33057,596	-0,866	0,037	503,360	14,131	14,782	4,964	2017-09-13 11:03
58,167	58,542	1,618	1,529	33073,954	33308,719	-0,859	0,037	502,936	14,589	15,190	5,032	2017-09-13 11:03
58,333	58,542	1,618	1,529	33185,487	33574,413	-0,869	0,037	502,842	14,454	15,377	5,062	2017-09-13 11:04
58,500	58,543	1,617	1,532	33320,873	33292,024	-0,862	0,036	502,842	13,977	14,892	4,982	2017-09-13 11:04
58,667	58,557	1,615	1,532	33214,160	33673,823	-0,866	0,037	502,842	14,467	14,952	4,992	2017-09-13 11:04
58,833	58,570	1,619	1,531	33204,593	33247,465	-0,855	0,037	502,748	14,265	15,300	5,050	2017-09-13 11:04
59,000	58,582	1,620	1,528	33267,950	34045,394	-0,855	0,037	502,843	14,140	14,642	4,940	2017-09-13 11:04
59,167	58,593	1,615	1,528	33332,687	33737,360	-0,845	0,036	502,748	14,309	15,098	5,016	2017-09-13 11:04
59,333	58,606	1,623	1,529	33525,372	33500,774	-0,834	0,037	502,748	14,670	14,754	4,959	2017-09-13 11:05
59,500	58,614	1,619	1,526	33421,092	34205,172	-0,852	0,037	502,748	14,673	15,219	5,036	2017-09-13 11:05

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
59,667	0,199	0,202	0,481	0,374	0,385	135,906	19,253	19,979	22,816	8,864	20,248	20,200	20,547	19,854	83,911	65,400	77,874
59,833	0,199	0,202	0,481	0,360	0,376	136,273	19,304	20,794	23,606	14,543	20,235	20,203	20,553	19,853	83,642	65,433	77,950
60,000	0,199	0,202	0,481	0,366	0,375	136,624	19,326	20,083	24,148	15,303	20,241	20,203	20,558	19,854	83,699	65,419	77,896
60,167	0,199	0,202	0,481	0,351	0,382	136,685	19,333	18,370	25,334	18,417	20,244	20,197	20,560	19,854	84,042	65,378	77,897
60,333	0,199	0,202	0,481	0,353	0,370	136,911	19,306	19,340	25,436	15,687	20,227	20,190	20,559	19,854	84,053	65,288	77,856
60,500	0,199	0,202	0,480	0,374	0,371	137,236	19,279	19,287	24,852	21,658	20,250	20,199	20,559	19,856	83,730	65,363	77,978
60,667	0,199	0,201	0,480	0,361	0,376	137,341	19,236	20,220	24,512	10,209	20,246	20,187	20,545	19,856	83,743	65,300	77,870
60,834	0,199	0,201	0,480	0,355	0,375	137,466	19,297	23,797	22,528	6,837	20,250	20,205	20,563	19,858	83,688	65,358	77,925
61,000	0,199	0,201	0,480	0,366	0,378	137,752	19,316	30,105	23,140	23,609	20,254	20,200	20,563	19,856	83,684	65,324	77,928
61,167	0,199	0,202	0,480	0,357	0,373	137,938	19,336	23,932	26,240	28,000	20,244	20,199	20,568	19,854	83,627	65,342	77,879
61,334	0,199	0,202	0,480	0,367	0,373	138,126	19,344	21,618	25,685	19,031	20,254	20,195	20,557	19,856	83,850	65,289	77,871
61,500	0,199	0,202	0,480	0,365	0,375	138,377	19,302	26,493	26,485	6,964	20,244	20,193	20,545	19,850	83,828	65,334	77,974
61,667	0,199	0,202	0,480	0,364	0,373	138,545	19,316	30,508	28,153	16,134	20,225	20,191	20,559	19,856	83,988	65,365	77,942
61,834	0,199	0,202	0,480	0,368	0,363	138,693	19,433	32,793	27,134	19,870	20,238	20,207	20,562	19,857	83,657	65,420	78,042
62,000	0,199	0,201	0,479	0,372	0,380	138,765	19,387	29,599	27,843	21,456	20,250	20,196	20,551	19,854	83,661	65,370	77,905
62,167	0,199	0,201	0,479	0,371	0,372	138,950	19,364	23,462	28,170	24,822	20,242	20,208	20,567	19,858	83,913	65,309	77,908
62,334	0,199	0,201	0,479	0,369	0,381	139,120	19,322	20,735	29,848	20,869	20,238	20,199	20,560	19,854	83,742	65,373	77,981
62,500	0,199	0,201	0,479	0,371	0,376	139,242	19,322	19,620	30,420	18,505	20,241	20,199	20,570	19,857	83,677	65,284	77,998
62,667	0,199	0,201	0,479	0,369	0,375	139,381	19,356	24,278	27,024	2,651	20,248	20,212	20,561	19,858	84,026	65,242	77,982
62,834	0,199	0,202	0,479	0,374	0,375	139,590	19,364	30,004	28,143	16,745	20,247	20,196	20,558	19,857	83,732	65,059	77,937
63,000	0,199	0,202	0,479	0,369	0,378	139,835	19,374	24,165	31,157	26,591	20,250	20,203	20,572	19,858	83,624	65,025	78,021
63,167	0,199	0,202	0,479	0,367	0,378	140,079	19,411	21,049	29,003	19,965	20,247	20,197	20,571	19,856	84,298	64,976	77,959
63,334	0,199	0,202	0,478	0,367	0,366	140,306	19,454	26,254	29,630	8,597	20,241	20,199	20,558	19,856	84,430	64,868	78,066
63,500	0,199	0,202	0,478	0,371	0,379	140,467	19,449	28,385	29,575	18,640	20,237	20,198	20,564	19,858	84,353	64,844	78,131
63,667	0,199	0,201	0,478	0,377	0,375	140,358	19,420	22,696	31,416	26,963	20,246	20,197	20,555	19,856	84,438	64,833	78,273
63,833	0,199	0,201	0,478	0,375	0,376	140,254	19,441	25,665	31,102	5,953	20,246	20,213	20,568	19,856	84,398	64,848	78,283
64,000	0,199	0,201	0,478	0,367	0,373	140,214	19,450	31,532	31,370	14,747	20,248	20,212	20,559	19,858	84,132	64,748	78,236
64,167	0,199	0,201	0,478	0,365	0,378	140,095	19,424	30,027	29,735	22,822	20,239	20,207	20,565	19,861	84,004	64,689	78,115
64,333	0,199	0,201	0,478	0,369	0,377	140,082	19,429	25,046	30,673	17,857	20,235	20,188	20,553	19,857	84,224	64,566	77,986
64,500	0,199	0,201	0,478	0,367	0,374	140,299	19,422	21,766	30,477	24,265	20,245	20,205	20,563	19,861	84,327	64,409	77,910
64,667	0,199	0,201	0,478	0,377	0,374	140,381	19,423	25,502	28,765	4,669	20,250	20,234	20,557	19,861	84,097	64,332	77,933
64,833	0,199	0,201	0,478	0,370	0,374	140,600	19,377	28,193	29,275	27,052	20,241	20,209	20,562	19,858	84,089	64,218	77,765
65,000	0,199	0,201	0,477	0,372	0,377	140,738	19,382	21,589	30,688	22,910	20,252	20,200	20,571	19,861	84,217	64,063	77,788
65,167	0,199	0,201	0,477	0,366	0,371	140,831	19,390	25,024	29,114	10,671	20,241	20,209	20,553	19,858	84,315	64,052	77,794
65,333	0,199	0,201	0,477	0,367	0,372	141,048	19,412	29,813	29,983	14,770	20,246	20,202	20,563	19,862	84,144	63,917	77,758
65,500	0,199	0,201	0,477	0,372	0,385	141,121	19,408	32,005	31,223	20,583	20,251	20,198	20,559	19,860	84,240	63,890	77,711

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
59,667	58,624	1,619	1,529	33694,510	34202,532	-0,841	0,038	502,748	14,973	15,411	5,068	2017-09-13 11:05
59,833	58,617	1,622	1,528	33807,789	33701,469	-0,852	0,038	502,654	14,419	15,049	5,008	2017-09-13 11:05
60,000	58,491	1,617	1,527	33910,881	33738,773	-0,862	0,039	502,654	14,646	14,991	4,998	2017-09-13 11:05
60,167	58,427	1,622	1,529	34072,390	34548,758	-0,841	0,039	502,654	14,023	15,299	5,050	2017-09-13 11:05
60,333	58,412	1,614	1,528	34006,380	34559,352	-0,845	0,038	502,654	14,103	14,805	4,967	2017-09-13 11:06
60,500	58,411	1,627	1,528	34220,939	34097,839	-0,838	0,038	502,560	14,978	14,840	4,973	2017-09-13 11:06
60,667	58,416	1,617	1,528	34021,542	34038,530	-0,855	0,037	502,561	14,436	15,021	5,003	2017-09-13 11:06
60,834	58,425	1,626	1,528	34104,301	34011,739	-0,848	0,037	502,560	14,183	15,011	5,002	2017-09-13 11:06
61,000	58,428	1,618	1,528	34096,436	33909,294	-0,855	0,037	502,468	14,627	15,129	5,021	2017-09-13 11:06
61,167	58,435	1,620	1,527	33983,227	33800,803	-0,876	0,038	502,561	14,260	14,932	4,989	2017-09-13 11:06
61,334	58,452	1,614	1,524	33870,586	34193,326	-0,852	0,038	502,467	14,692	14,930	4,988	2017-09-13 11:07
61,500	58,468	1,623	1,522	33972,617	34264,472	-0,855	0,038	502,467	14,603	14,982	4,997	2017-09-13 11:07
61,667	58,464	1,617	1,521	33919,426	34373,741	-0,824	0,038	502,468	14,579	14,927	4,988	2017-09-13 11:07
61,834	58,428	1,622	1,519	34092,051	33751,629	-0,834	0,039	502,468	14,710	14,527	4,921	2017-09-13 11:07
62,000	58,399	1,617	1,517	33881,491	33752,769	-0,845	0,037	502,326	14,891	15,196	5,033	2017-09-13 11:07
62,167	58,396	1,616	1,517	33890,274	34318,765	-0,841	0,037	502,325	14,847	14,894	4,982	2017-09-13 11:07
62,334	58,208	1,620	1,518	34370,366	33954,871	-0,855	0,037	502,325	14,748	15,231	5,038	2017-09-13 11:08
62,500	58,017	1,619	1,516	34683,166	33994,866	-0,862	0,037	502,325	14,843	15,050	5,008	2017-09-13 11:08
62,667	57,881	1,619	1,516	34891,523	34706,768	-0,873	0,037	502,232	14,755	15,010	5,002	2017-09-13 11:08
62,834	57,746	1,616	1,515	35019,795	34435,458	-0,848	0,038	502,232	14,942	14,991	4,998	2017-09-13 11:08
63,000	57,632	1,626	1,513	35324,618	34528,968	-0,859	0,038	502,232	14,751	15,125	5,021	2017-09-13 11:08
63,167	57,513	1,620	1,512	35404,706	35744,676	-0,852	0,038	502,231	14,696	15,117	5,019	2017-09-13 11:08
63,334	57,463	1,620	1,512	35683,040	36181,442	-0,855	0,038	502,138	14,675	14,644	4,940	2017-09-13 11:09
63,500	57,356	1,616	1,509	35913,680	35989,776	-0,852	0,038	502,138	14,823	15,171	5,028	2017-09-13 11:09
63,667	57,235	1,620	1,512	36428,943	36258,161	-0,845	0,037	502,138	15,078	14,986	4,998	2017-09-13 11:09
63,833	57,166	1,623	1,512	36579,255	36237,137	-0,852	0,037	502,105	15,017	15,054	5,009	2017-09-13 11:09
64,000	57,063	1,622	1,511	36641,976	35887,480	-0,852	0,036	502,044	14,666	14,901	4,983	2017-09-13 11:09
64,167	56,913	1,621	1,508	36632,922	35752,787	-0,862	0,036	502,044	14,598	15,105	5,017	2017-09-13 11:09
64,333	56,784	1,617	1,508	36628,440	36289,834	-0,845	0,036	502,138	14,775	15,065	5,011	2017-09-13 11:10
64,500	56,580	1,611	1,508	36855,773	36645,991	-0,848	0,036	502,044	14,697	14,980	4,997	2017-09-13 11:10
64,667	56,437	1,623	1,507	37118,436	36621,631	-0,848	0,037	502,044	15,073	14,954	4,992	2017-09-13 11:10
64,833	56,337	1,617	1,509	37059,468	36699,648	-0,859	0,036	502,044	14,796	14,973	4,995	2017-09-13 11:10
65,000	56,256	1,619	1,508	37207,081	37268,374	-0,845	0,037	501,951	14,881	15,062	5,010	2017-09-13 11:10
65,167	56,136	1,617	1,508	37434,459	37416,965	-0,866	0,036	501,950	14,624	14,841	4,973	2017-09-13 11:10
65,333	56,033	1,614	1,507	37514,734	37283,414	-0,841	0,037	501,950	14,691	14,894	4,982	2017-09-13 11:11
65,500	55,958	1,622	1,507	37569,066	37707,688	-0,873	0,037	501,951	14,871	15,382	5,063	2017-09-13 11:11

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
65,667	0,199	0,201	0,477	0,370	0,369	141,143	19,411	27,772	31,860	23,802	20,254	20,204	20,565	19,860	84,376	63,824	77,693
65,833	0,199	0,201	0,477	0,379	0,380	141,286	19,424	23,075	31,873	18,918	20,237	20,211	20,565	19,860	83,988	63,762	77,666
66,000	0,199	0,201	0,477	0,361	0,385	141,243	19,414	20,230	31,191	16,440	20,255	20,217	20,565	19,860	84,089	63,759	77,678
66,167	0,199	0,201	0,477	0,377	0,375	141,307	19,406	23,985	30,226	5,391	20,260	20,221	20,566	19,864	83,811	63,626	77,559
66,333	0,199	0,202	0,477	0,384	0,378	141,351	19,415	31,391	32,136	15,277	20,249	20,215	20,566	19,864	83,934	63,572	77,500
66,500	0,199	0,202	0,476	0,375	0,377	141,420	19,435	33,209	34,471	18,707	20,246	20,216	20,569	19,864	83,830	63,495	77,509
66,667	0,199	0,201	0,477	0,362	0,366	141,403	19,420	29,026	32,907	32,435	20,256	20,202	20,557	19,862	83,704	63,431	77,406
66,833	0,199	0,201	0,476	0,382	0,377	141,418	19,433	28,336	30,469	11,343	20,237	20,207	20,562	19,861	83,716	63,425	77,384
67,000	0,199	0,202	0,475	0,375	0,367	141,551	19,442	28,682	31,290	22,427	20,246	20,225	20,567	19,861	83,594	63,285	77,320
67,167	0,199	0,201	0,475	0,372	0,371	141,639	19,406	23,406	31,179	22,579	20,252	20,209	20,566	19,862	83,672	63,268	77,293
67,333	0,199	0,201	0,475	0,373	0,373	141,709	19,439	27,186	30,747	8,532	20,246	20,209	20,565	19,864	83,690	63,222	77,236
67,500	0,199	0,201	0,475	0,379	0,379	141,892	19,420	27,928	31,019	28,275	20,251	20,211	20,569	19,864	83,291	63,129	77,163
67,667	0,199	0,201	0,475	0,385	0,367	142,041	19,429	21,946	32,360	17,249	20,246	20,208	20,559	19,865	83,350	63,127	77,125
67,834	0,199	0,201	0,475	0,379	0,366	142,074	19,436	20,465	29,940	19,326	20,251	20,203	20,558	19,865	83,549	63,007	76,996
68,000	0,199	0,201	0,475	0,380	0,373	142,176	19,436	25,155	29,878	5,020	20,246	20,207	20,561	19,862	83,550	62,955	77,047
68,167	0,199	0,201	0,475	0,373	0,352	142,173	19,440	30,742	28,047	17,292	20,250	20,212	20,558	19,864	83,436	62,960	76,973
68,334	0,199	0,202	0,475	0,369	0,370	142,082	19,418	26,704	26,321	26,322	20,237	20,207	20,553	19,862	83,170	62,890	76,897
68,500	0,199	0,201	0,474	0,372	0,373	142,100	19,423	25,446	27,628	16,926	20,243	20,215	20,557	19,862	83,157	62,821	76,807
68,667	0,199	0,201	0,475	0,361	0,377	142,124	19,411	23,203	27,109	23,043	20,233	20,200	20,563	19,864	83,173	62,816	76,757
68,834	0,199	0,201	0,475	0,381	0,373	142,091	19,396	21,512	27,153	19,866	20,255	20,216	20,566	19,866	83,078	62,840	76,715
69,000	0,199	0,201	0,474	0,369	0,373	142,210	19,411	23,913	24,428	4,096	20,250	20,224	20,559	19,866	83,115	62,729	76,616
69,167	0,199	0,202	0,474	0,376	0,365	142,199	19,410	30,837	23,359	20,691	20,245	20,224	20,576	19,864	82,927	62,718	76,623
69,334	0,199	0,201	0,474	0,371	0,379	142,277	19,378	26,343	24,402	32,008	20,243	20,212	20,562	19,865	82,819	62,690	76,524
69,500	0,199	0,201	0,474	0,371	0,373	142,333	19,397	25,172	24,138	7,910	20,250	20,208	20,580	19,869	82,803	62,671	76,500
69,667	0,199	0,201	0,474	0,371	0,378	142,232	19,355	24,356	23,556	25,084	20,242	20,219	20,572	19,866	82,634	62,690	76,488
69,834	0,199	0,201	0,474	0,384	0,365	142,238	19,326	24,623	22,589	16,307	20,247	20,211	20,561	19,866	82,363	62,622	76,438
70,000	0,199	0,201	0,474	0,371	0,374	142,151	19,373	26,718	23,463	10,033	20,250	20,217	20,562	19,868	82,512	62,601	76,288
70,167	0,199	0,201	0,474	0,383	0,378	142,315	19,385	25,721	23,166	29,340	20,263	20,223	20,574	19,868	83,003	62,587	76,266
70,334	0,199	0,201	0,474	0,369	0,374	142,399	19,386	23,730	20,621	17,377	20,246	20,224	20,575	19,868	82,722	62,538	76,360
70,500	0,199	0,201	0,473	0,382	0,370	142,415	19,367	24,683	22,110	16,885	20,246	20,216	20,570	19,869	83,105	62,599	76,308
70,667	0,199	0,201	0,473	0,378	0,380	142,388	19,392	24,462	21,727	11,322	20,254	20,224	20,571	19,872	82,852	62,673	76,470
70,833	0,199	0,201	0,473	0,377	0,376	142,325	19,371	28,689	21,653	8,131	20,247	20,216	20,565	19,869	82,688	62,661	76,410
71,000	0,199	0,201	0,473	0,370	0,366	142,319	19,392	25,188	22,014	30,042	20,245	20,220	20,575	19,870	82,785	62,582	76,319
71,167	0,199	0,201	0,473	0,372	0,386	142,437	19,420	28,772	20,841	9,828	20,255	20,219	20,570	19,869	82,888	62,418	75,980
71,333	0,199	0,202	0,473	0,385	0,370	142,475	19,385	28,232	21,975	26,168	20,243	20,221	20,571	19,868	82,685	62,254	75,873
71,500	0,199	0,202	0,473	0,362	0,383	142,450	19,413	26,313	23,156	13,320	20,251	20,224	20,573	19,870	82,553	62,118	75,630

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
65,667	55,888	1,617	1,508	37689,354	37958,263	-0,866	0,037	501,857	14,789	14,758	4,960	2017-09-13 11:11
65,833	55,825	1,616	1,507	37719,421	37326,188	-0,855	0,036	501,856	15,149	15,184	5,031	2017-09-13 11:11
66,000	55,765	1,619	1,507	37849,342	37592,389	-0,848	0,037	501,857	14,425	15,401	5,066	2017-09-13 11:11
66,167	55,698	1,611	1,507	37748,825	37147,195	-0,859	0,037	501,857	15,079	15,008	5,001	2017-09-13 11:11
66,333	55,601	1,614	1,506	37800,544	37547,909	-0,848	0,038	501,857	15,343	15,119	5,020	2017-09-13 11:12
66,500	55,498	1,611	1,506	37988,122	37430,397	-0,845	0,038	501,763	14,982	15,090	5,015	2017-09-13 11:12
66,667	55,427	1,623	1,508	37994,493	37586,855	-0,859	0,037	501,857	14,488	14,626	4,937	2017-09-13 11:12
66,833	55,376	1,622	1,507	38018,850	37607,540	-0,866	0,037	501,763	15,287	15,079	5,013	2017-09-13 11:12
67,000	55,296	1,619	1,510	38111,980	37571,356	-0,866	0,038	501,623	14,998	14,674	4,945	2017-09-13 11:12
67,167	55,220	1,621	1,508	38157,206	37776,922	-0,855	0,037	501,623	14,885	14,827	4,971	2017-09-13 11:12
67,333	55,154	1,620	1,508	38183,619	37892,770	-0,873	0,037	501,623	14,934	14,916	4,986	2017-09-13 11:13
67,500	55,090	1,614	1,510	38197,515	37180,453	-0,869	0,037	501,623	15,166	15,160	5,027	2017-09-13 11:13
67,667	55,039	1,621	1,507	38158,989	37459,669	-0,862	0,037	501,623	15,381	14,662	4,943	2017-09-13 11:13
67,834	54,996	1,616	1,508	38037,683	37919,976	-0,866	0,037	501,623	15,145	14,639	4,939	2017-09-13 11:13
68,000	54,957	1,613	1,509	38218,846	37967,602	-0,876	0,037	501,529	15,182	14,932	4,989	2017-09-13 11:13
68,167	54,960	1,618	1,510	38103,843	37859,431	-0,883	0,037	501,530	14,929	14,091	4,846	2017-09-13 11:13
68,334	54,967	1,616	1,512	38020,021	37446,653	-0,866	0,038	501,529	14,741	14,819	4,970	2017-09-13 11:14
68,500	54,922	1,614	1,511	37906,489	37510,073	-0,852	0,037	501,436	14,895	14,924	4,987	2017-09-13 11:14
68,667	54,873	1,622	1,513	37948,984	37736,257	-0,845	0,037	501,530	14,421	15,069	5,011	2017-09-13 11:14
68,834	54,826	1,623	1,512	37949,494	37534,732	-0,852	0,037	501,530	15,243	14,908	4,985	2017-09-13 11:14
69,000	54,786	1,620	1,512	37830,604	37749,010	-0,845	0,037	501,435	14,746	14,935	4,989	2017-09-13 11:14
69,167	54,870	1,620	1,513	37741,708	37416,571	-0,848	0,038	501,436	15,046	14,588	4,931	2017-09-13 11:14
69,334	54,885	1,614	1,514	37556,134	37135,309	-0,852	0,036	501,435	14,840	15,170	5,028	2017-09-13 11:15
69,500	54,864	1,618	1,516	37603,729	37234,452	-0,845	0,036	501,436	14,854	14,907	4,985	2017-09-13 11:15
69,667	54,835	1,615	1,515	37598,224	36797,528	-0,828	0,036	501,342	14,842	15,116	5,019	2017-09-13 11:15
69,834	54,797	1,616	1,515	37581,857	36445,229	-0,838	0,037	501,342	15,369	14,599	4,933	2017-09-13 11:15
70,000	54,770	1,619	1,512	37306,054	36846,631	-0,838	0,036	501,342	14,854	14,950	4,992	2017-09-13 11:15
70,167	54,790	1,619	1,513	37263,364	37778,829	-0,841	0,036	501,342	15,332	15,117	5,019	2017-09-13 11:15
70,334	54,876	1,615	1,513	37273,041	37246,436	-0,834	0,036	501,342	14,760	14,945	4,991	2017-09-13 11:16
70,500	54,881	1,616	1,515	37210,640	37870,053	-0,834	0,036	501,248	15,298	14,796	4,966	2017-09-13 11:16
70,667	54,853	1,622	1,516	37567,699	37408,995	-0,831	0,036	501,248	15,134	15,183	5,030	2017-09-13 11:16
70,833	54,846	1,620	1,517	37507,809	37078,749	-0,834	0,037	501,248	15,093	15,023	5,004	2017-09-13 11:16
71,000	54,850	1,614	1,515	37295,732	37257,765	-0,838	0,036	501,248	14,781	14,620	4,936	2017-09-13 11:16
71,167	54,849	1,619	1,570	38036,768	37871,788	-0,852	0,037	501,154	14,862	15,429	5,071	2017-09-13 11:16
71,333	54,857	1,619	1,578	38008,757	37801,435	-0,838	0,038	501,154	15,412	14,799	4,966	2017-09-13 11:17
71,500	54,917	1,613	1,608	38169,164	37671,340	-0,824	0,038	501,154	14,466	15,338	5,056	2017-09-13 11:17

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
71,667	0,199	0,202	0,473	0,372	0,367	142,518	19,413	25,922	24,306	28,698	20,245	20,224	20,570	19,873	82,534	62,061	75,547
71,833	0,199	0,202	0,473	0,373	0,383	142,576	19,434	21,665	23,344	15,494	20,255	20,227	20,582	19,872	82,249	62,036	75,455
72,000	0,199	0,202	0,473	0,389	0,375	142,392	19,430	21,686	23,440	9,038	20,250	20,224	20,586	19,870	82,450	62,018	75,426
72,167	0,199	0,201	0,472	0,381	0,375	142,197	19,431	25,609	23,319	9,805	20,246	20,217	20,570	19,873	82,371	62,051	75,498
72,333	0,199	0,201	0,472	0,367	0,376	142,069	19,419	25,454	24,298	27,222	20,262	20,225	20,573	19,873	82,234	62,026	75,398
72,500	0,199	0,201	0,472	0,377	0,369	142,063	19,427	22,920	24,337	12,155	20,261	20,216	20,579	19,873	82,013	61,977	75,291
72,667	0,199	0,201	0,472	0,370	0,370	142,030	19,406	21,186	21,823	22,709	20,247	20,228	20,574	19,874	81,972	61,973	75,243
72,833	0,199	0,201	0,472	0,368	0,374	142,102	19,392	25,596	21,204	6,928	20,253	20,228	20,582	19,872	81,668	61,913	75,151
73,000	0,199	0,201	0,472	0,373	0,370	142,013	19,396	30,442	18,541	14,245	20,245	20,237	20,571	19,872	81,810	61,985	75,063
73,167	0,199	0,202	0,472	0,378	0,372	142,051	19,392	32,158	18,237	22,197	20,267	20,227	20,571	19,874	81,986	62,029	75,055
73,333	0,199	0,202	0,472	0,368	0,370	142,146	19,434	26,226	17,474	29,677	20,249	20,215	20,566	19,873	81,589	62,020	75,039
73,500	0,199	0,201	0,472	0,370	0,381	142,156	19,487	26,328	17,949	6,857	20,257	20,234	20,570	19,874	81,833	62,123	75,067
73,667	0,199	0,201	0,471	0,373	0,372	142,281	19,451	29,039	19,251	26,482	20,249	20,220	20,582	19,874	81,539	62,111	75,123
73,833	0,199	0,201	0,471	0,380	0,373	142,360	19,464	22,868	16,639	21,405	20,270	20,241	20,579	19,874	81,964	62,084	75,092
74,000	0,199	0,201	0,471	0,371	0,377	142,394	19,440	21,638	14,891	20,718	20,255	20,229	20,575	19,876	81,878	62,096	75,106
74,167	0,199	0,201	0,471	0,370	0,376	142,335	19,469	25,379	15,457	12,151	20,264	20,246	20,573	19,876	81,929	62,080	75,137
74,333	0,199	0,201	0,471	0,375	0,374	142,146	19,465	29,633	16,520	12,532	20,254	20,228	20,573	19,877	82,106	62,104	75,110
74,500	0,199	0,201	0,471	0,381	0,368	142,054	19,443	30,573	16,266	24,107	20,249	20,228	20,569	19,874	82,090	62,117	75,139
74,667	0,199	0,201	0,471	0,368	0,373	142,069	19,432	27,972	14,247	14,984	20,251	20,229	20,582	19,876	82,336	62,109	75,158
74,834	0,199	0,201	0,471	0,389	0,383	142,160	19,443	24,720	15,892	29,416	20,248	20,227	20,574	19,877	82,230	62,104	75,205
75,000	0,199	0,201	0,470	0,374	0,372	142,133	19,453	24,843	15,087	14,328	20,253	20,215	20,582	19,876	82,020	62,117	75,268
75,167	0,199	0,201	0,470	0,367	0,371	142,128	19,427	22,638	17,734	22,932	20,258	20,245	20,560	19,877	82,145	62,195	75,263
75,334	0,199	0,201	0,470	0,375	0,365	142,077	19,422	19,349	19,304	20,049	20,254	20,220	20,583	19,884	82,049	62,197	75,285
75,500	0,199	0,201	0,470	0,371	0,384	142,114	19,439	24,793	21,353	3,283	20,254	20,224	20,592	19,880	82,083	62,170	75,196
75,667	0,199	0,201	0,470	0,376	0,382	141,955	19,424	26,381	22,281	28,497	20,258	20,231	20,578	19,878	81,845	62,224	75,256
75,834	0,199	0,201	0,470	0,384	0,368	142,099	19,397	25,107	21,861	4,834	20,255	20,225	20,583	19,880	81,724	62,146	75,123
76,000	0,199	0,201	0,470	0,371	0,374	142,177	19,410	27,345	23,102	27,220	20,249	20,231	20,588	19,880	81,813	62,153	75,062
76,167	0,199	0,201	0,470	0,374	0,372	142,257	19,418	24,920	21,760	8,122	20,255	20,225	20,577	19,878	81,664	62,119	75,062
76,334	0,199	0,201	0,470	0,369	0,372	142,359	19,447	27,296	22,713	10,883	20,254	20,237	20,574	19,880	82,028	62,162	75,086
76,500	0,199	0,201	0,469	0,372	0,371	142,401	19,455	30,303	19,515	24,984	20,265	20,235	20,582	19,880	82,026	62,164	75,133
76,667	0,199	0,201	0,469	0,372	0,382	142,319	19,412	28,614	20,441	23,103	20,266	20,242	20,579	19,882	82,146	62,226	75,158
76,834	0,199	0,201	0,469	0,368	0,375	142,281	19,445	27,613	22,614	19,790	20,265	20,231	20,571	19,880	82,036	62,255	75,182
77,000	0,199	0,201	0,470	0,373	0,375	142,268	19,465	29,885	24,284	14,594	20,263	20,237	20,588	19,885	81,724	62,250	75,208
77,167	0,199	0,201	0,469	0,374	0,380	142,067	19,423	34,194	23,903	20,387	20,276	20,233	20,568	19,882	81,720	62,235	75,085
77,333	0,199	0,201	0,469	0,382	0,368	141,904	19,440	35,148	25,149	21,507	20,267	20,235	20,574	19,881	81,835	62,285	75,075
77,500	0,199	0,201	0,469	0,364	0,376	141,768	19,447	35,353	24,824	23,874	20,266	20,240	20,592	19,886	81,961	62,251	75,029

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
71,667	54,922	1,614	1,612	38099,123	37781,060	-0,831	0,038	501,154	14,860	14,663	4,944	2017-09-13 11:17
71,833	54,925	1,617	1,611	37913,219	37363,838	-0,831	0,038	501,154	14,913	15,301	5,050	2017-09-13 11:17
72,000	54,940	1,613	1,612	37856,106	37663,321	-0,845	0,038	501,155	15,550	14,999	5,000	2017-09-13 11:17
72,167	54,956	1,617	1,612	37948,234	37560,451	-1,067	0,037	501,061	15,258	15,014	5,002	2017-09-13 11:17
72,333	54,944	1,614	1,613	37829,449	37289,921	-0,862	0,037	501,061	14,678	15,033	5,006	2017-09-13 11:18
72,500	54,937	1,614	1,613	37628,820	36965,255	-0,838	0,037	501,061	15,098	14,747	4,958	2017-09-13 11:18
72,667	54,941	1,617	1,612	37507,959	36971,092	-1,053	0,036	501,061	14,804	14,786	4,964	2017-09-13 11:18
72,833	55,059	1,616	1,614	37180,075	36485,081	-0,834	0,036	500,968	14,739	14,942	4,990	2017-09-13 11:18
73,000	55,181	1,620	1,612	36723,112	36708,424	-1,060	0,037	500,968	14,917	14,784	4,964	2017-09-13 11:18
73,167	55,249	1,613	1,612	36583,094	36798,845	-1,078	0,038	500,968	15,104	14,875	4,979	2017-09-13 11:18
73,333	55,284	1,610	1,612	36487,434	36021,621	-1,060	0,038	500,968	14,710	14,785	4,964	2017-09-13 11:19
73,500	55,263	1,622	1,615	36646,992	36550,309	-1,088	0,036	500,967	14,785	15,252	5,042	2017-09-13 11:19
73,667	55,251	1,619	1,615	36772,837	35947,740	-1,050	0,036	500,826	14,913	14,893	4,982	2017-09-13 11:19
73,833	55,236	1,615	1,613	36709,098	36694,628	-1,067	0,036	500,826	15,208	14,912	4,985	2017-09-13 11:19
74,000	55,226	1,616	1,613	36754,848	36547,869	-1,053	0,036	500,826	14,833	15,090	5,015	2017-09-13 11:19
74,167	55,212	1,616	1,613	36836,175	36653,928	-0,859	0,036	500,826	14,788	15,041	5,007	2017-09-13 11:19
74,333	55,213	1,619	1,613	36789,404	37014,934	-0,852	0,036	500,732	15,009	14,979	4,997	2017-09-13 11:20
74,500	55,220	1,622	1,613	36824,510	37024,826	-1,078	0,036	500,732	15,253	14,738	4,956	2017-09-13 11:20
74,667	55,265	1,617	1,614	36793,847	37380,366	-1,060	0,037	500,732	14,727	14,916	4,986	2017-09-13 11:20
74,834	55,309	1,614	1,612	36765,261	37130,010	-1,078	0,037	500,732	15,561	15,313	5,052	2017-09-13 11:20
75,000	55,338	1,617	1,613	36833,749	36792,809	-1,081	0,037	500,639	14,944	14,888	4,981	2017-09-13 11:20
75,167	55,352	1,614	1,614	36821,555	36809,047	-1,060	0,037	500,639	14,690	14,840	4,973	2017-09-13 11:20
75,334	55,354	1,613	1,613	36842,398	36588,273	-1,071	0,036	500,638	15,001	14,595	4,932	2017-09-13 11:21
75,500	55,336	1,613	1,616	36781,560	36700,671	-1,074	0,036	500,639	14,851	15,370	5,061	2017-09-13 11:21
75,667	55,330	1,620	1,615	36873,114	36339,336	-1,064	0,037	500,639	15,044	15,294	5,049	2017-09-13 11:21
75,834	55,324	1,617	1,615	36633,093	36178,946	-1,074	0,036	500,639	15,357	14,729	4,955	2017-09-13 11:21
76,000	55,330	1,625	1,615	36514,176	36514,889	-1,064	0,037	500,545	14,838	14,954	4,992	2017-09-13 11:21
76,167	55,407	1,619	1,613	36334,334	36157,676	-0,848	0,037	500,545	14,968	14,872	4,979	2017-09-13 11:21
76,334	55,445	1,614	1,615	36340,560	36656,793	-1,064	0,036	500,545	14,775	14,896	4,983	2017-09-13 11:22
76,500	55,470	1,614	1,612	36321,867	36647,026	-1,071	0,037	500,451	14,868	14,823	4,970	2017-09-13 11:22
76,667	55,494	1,618	1,614	36379,258	36841,412	-1,053	0,037	500,451	14,872	15,290	5,048	2017-09-13 11:22
76,834	55,512	1,615	1,613	36360,578	36508,592	-1,057	0,037	500,451	14,703	14,982	4,997	2017-09-13 11:22
77,000	55,520	1,615	1,615	36427,973	35944,112	-1,074	0,037	500,545	14,930	15,012	5,002	2017-09-13 11:22
77,167	55,524	1,611	1,612	36134,185	35883,784	-1,071	0,037	500,451	14,962	15,198	5,033	2017-09-13 11:22
77,333	55,517	1,618	1,614	36179,308	36149,680	-1,060	0,037	500,357	15,273	14,715	4,952	2017-09-13 11:23
77,500	55,525	1,613	1,613	36050,347	36328,866	-1,064	0,037	500,357	14,568	15,029	5,005	2017-09-13 11:23

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
77,667	0,199	0,202	0,469	0,383	0,376	141,639	19,448	34,227	26,456	19,886	20,270	20,229	20,566	19,885	81,594	62,232	75,032
77,833	0,199	0,201	0,468	0,375	0,379	141,580	19,422	35,224	25,348	24,394	20,261	20,245	20,587	19,882	81,597	62,189	74,908
78,000	0,199	0,201	0,469	0,367	0,372	141,471	19,402	34,044	26,590	18,916	20,267	20,232	20,577	19,882	81,374	62,165	74,938
78,167	0,199	0,202	0,468	0,379	0,380	141,259	19,427	33,578	25,617	30,651	20,257	20,228	20,566	19,878	81,277	62,259	74,928
78,333	0,199	0,201	0,468	0,378	0,385	141,112	19,444	26,710	26,750	27,710	20,261	20,232	20,591	19,884	81,443	62,217	74,827
78,500	0,199	0,201	0,468	0,369	0,379	140,973	19,426	25,947	25,737	19,719	20,257	20,231	20,583	19,885	81,344	62,195	74,874
78,667	0,199	0,201	0,468	0,362	0,367	140,925	19,435	23,503	27,372	23,107	20,259	20,233	20,585	19,884	81,537	62,196	74,800
78,833	0,199	0,201	0,468	0,373	0,374	140,923	19,444	22,118	27,557	18,551	20,274	20,244	20,594	19,890	81,049	62,169	74,803
79,000	0,199	0,201	0,468	0,375	0,381	140,798	19,443	22,038	26,916	15,047	20,266	20,248	20,582	19,889	81,251	62,230	74,767
79,167	0,199	0,201	0,468	0,373	0,377	140,869	19,432	24,742	26,638	18,508	20,267	20,241	20,594	19,885	81,236	62,208	74,778
79,333	0,199	0,201	0,467	0,363	0,377	140,791	19,412	25,215	26,839	18,031	20,259	20,240	20,570	19,888	81,176	62,188	74,767
79,500	0,199	0,201	0,467	0,364	0,377	140,810	19,435	27,351	25,664	20,904	20,252	20,235	20,568	19,888	81,762	62,195	74,747
79,667	0,199	0,201	0,467	0,372	0,375	140,752	19,448	27,818	24,496	18,861	20,258	20,236	20,585	19,885	81,512	62,170	74,800
79,833	0,199	0,201	0,467	0,365	0,372	140,821	19,433	27,309	23,627	24,569	20,261	20,239	20,589	19,890	81,438	62,122	74,713
80,000	0,199	0,201	0,467	0,360	0,368	140,847	19,432	25,941	22,801	22,961	20,261	20,240	20,577	19,886	81,527	62,189	74,789
80,167	0,199	0,201	0,467	0,368	0,374	140,813	19,425	27,789	22,287	13,811	20,263	20,242	20,565	19,886	81,405	62,217	74,830
80,333	0,199	0,201	0,466	0,366	0,381	140,808	19,362	28,369	22,248	32,242	20,279	20,235	20,585	19,888	81,602	62,212	74,808
80,500	0,199	0,201	0,466	0,372	0,379	140,815	19,397	27,669	20,780	16,901	20,265	20,240	20,594	19,886	81,775	62,211	74,900
80,667	0,199	0,201	0,466	0,373	0,385	140,773	19,382	36,149	8,905	14,226	20,261	20,239	20,577	19,888	81,798	62,265	74,971
80,833	0,199	0,201	0,466	0,370	0,378	140,650	19,401	29,286	7,214	23,590	20,273	20,245	20,585	19,890	81,756	62,239	74,965
81,000	0,199	0,201	0,466	0,359	0,372	140,663	19,425	24,486	12,900	24,928	20,267	20,252	20,585	19,893	81,596	62,236	74,943
81,167	0,199	0,201	0,466	0,366	0,370	140,628	19,410	18,979	13,339	19,795	20,273	20,256	20,576	19,890	81,604	62,217	74,904
81,334	0,199	0,202	0,466	0,375	0,363	140,690	19,451	26,704	12,571	8,391	20,269	20,253	20,589	19,890	81,644	62,201	74,973
81,500	0,199	0,201	0,466	0,374	0,374	140,690	19,421	33,983	12,769	23,507	20,277	20,265	20,586	19,898	81,540	62,150	74,871
81,667	0,199	0,201	0,467	0,362	0,371	140,555	19,438	26,542	13,928	14,428	20,269	20,256	20,602	19,896	81,718	62,203	74,911
81,834	0,199	0,201	0,468	0,371	0,375	140,633	19,439	27,277	14,554	28,316	20,270	20,252	20,582	19,890	81,157	62,177	74,905
82,000	0,199	0,201	0,466	0,380	0,359	140,715	19,447	22,295	14,120	18,430	20,273	20,253	20,604	19,893	81,660	62,220	74,880
82,167	0,199	0,201	0,452	0,372	0,381	140,868	19,443	24,171	13,673	6,246	20,257	20,257	20,594	19,889	81,581	62,177	74,917
82,334	0,199	0,201	0,469	0,359	0,369	140,994	19,433	26,008	14,377	31,966	20,267	20,258	20,598	19,892	81,562	62,139	74,904
82,500	0,199	0,201	0,465	0,368	0,385	140,993	19,440	26,723	12,247	14,450	20,267	20,261	20,583	19,894	81,521	62,154	74,948
82,667	0,199	0,201	0,465	0,358	0,375	141,030	19,451	23,584	12,733	24,938	20,263	20,260	20,600	19,892	81,627	62,221	74,986
82,834	0,199	0,201	0,465	0,368	0,373	141,167	19,455	22,109	13,089	13,742	20,278	20,261	20,598	19,894	81,500	62,148	74,880
83,000	0,199	0,201	0,465	0,371	0,370	141,033	19,446	19,881	12,404	19,430	20,265	20,249	20,599	19,897	81,485	62,197	74,939
83,167	0,199	0,201	0,465	0,374	0,378	140,985	19,414	21,006	12,112	16,442	20,253	20,261	20,608	19,897	81,591	62,219	74,962
83,334	0,199	0,201	0,464	0,368	0,377	141,038	19,446	25,651	10,946	11,162	20,260	20,256	20,596	19,892	81,539	62,174	74,923
83,500	0,199	0,201	0,465	0,379	0,372	141,171	19,444	26,606	11,794	16,058	20,253	20,260	20,598	19,893	81,556	62,166	74,886

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
77,667	55,514	1,616	1,614	36109,109	35752,565	-1,060	0,039	500,358	15,307	15,024	5,004	2017-09-13 11:23
77,833	55,525	1,612	1,615	35862,518	35745,750	-1,067	0,037	500,264	14,981	15,158	5,026	2017-09-13 11:23
78,000	55,554	1,616	1,615	35860,411	35466,766	-1,064	0,037	500,358	14,699	14,866	4,978	2017-09-13 11:23
78,167	55,561	1,622	1,613	35801,852	35252,876	-1,060	0,038	500,264	15,160	15,218	5,036	2017-09-13 11:23
78,333	55,569	1,614	1,613	35594,377	35463,832	-0,817	0,037	500,264	15,111	15,391	5,065	2017-09-13 11:24
78,500	55,593	1,614	1,614	35668,926	35325,664	-1,036	0,036	500,264	14,751	15,166	5,028	2017-09-13 11:24
78,667	55,593	1,614	1,613	35502,959	35686,215	-1,050	0,036	500,264	14,483	14,678	4,946	2017-09-13 11:24
78,833	55,605	1,612	1,613	35484,671	34788,389	-1,071	0,036	500,264	14,914	14,943	4,990	2017-09-13 11:24
79,000	55,607	1,620	1,615	35447,617	35223,589	-1,050	0,036	500,264	14,982	15,239	5,040	2017-09-13 11:24
79,167	55,608	1,612	1,613	35435,488	35048,307	-1,071	0,036	500,241	14,926	15,071	5,012	2017-09-13 11:24
79,333	55,613	1,612	1,613	35401,967	34982,255	-1,071	0,037	500,126	14,528	15,087	5,015	2017-09-13 11:25
79,500	55,608	1,613	1,615	35409,714	36078,206	-1,081	0,037	500,126	14,573	15,061	5,010	2017-09-13 11:25
79,667	55,613	1,611	1,613	35463,342	35613,425	-1,060	0,037	500,126	14,900	15,008	5,001	2017-09-13 11:25
79,833	55,628	1,606	1,612	35248,314	35449,585	-1,074	0,037	500,033	14,597	14,896	4,983	2017-09-13 11:25
80,000	55,633	1,614	1,611	35370,724	35676,093	-1,033	0,037	500,033	14,416	14,734	4,955	2017-09-13 11:25
80,167	55,631	1,615	1,610	35420,796	35408,867	-1,088	0,036	500,033	14,719	14,962	4,994	2017-09-13 11:25
80,333	55,632	1,613	1,612	35421,250	35756,013	-0,869	0,037	499,939	14,630	15,238	5,040	2017-09-13 11:26
80,500	55,631	1,616	1,611	35572,249	36126,806	-0,869	0,037	499,939	14,871	15,173	5,029	2017-09-13 11:26
80,667	55,608	1,618	1,614	35810,413	36127,208	-0,852	0,037	499,939	14,929	15,409	5,068	2017-09-13 11:26
80,833	55,561	1,618	1,612	35849,758	36080,432	-0,866	0,037	499,939	14,809	15,137	5,023	2017-09-13 11:26
81,000	55,540	1,622	1,611	35830,792	35883,719	-0,845	0,037	499,846	14,359	14,868	4,978	2017-09-13 11:26
81,167	55,534	1,617	1,613	35803,195	35831,691	-0,841	0,037	499,939	14,630	14,801	4,967	2017-09-13 11:26
81,334	55,521	1,613	1,612	35925,684	35836,579	-0,862	0,038	499,846	14,988	14,514	4,918	2017-09-13 11:27
81,500	55,525	1,613	1,612	35727,956	35743,653	-0,859	0,037	499,845	14,971	14,971	4,995	2017-09-13 11:27
81,667	55,532	1,622	1,611	35785,741	36173,442	-0,845	0,037	500,089	14,466	14,852	4,975	2017-09-13 11:27
81,834	55,536	1,614	1,611	35768,321	35008,762	-0,831	0,037	500,329	14,850	15,007	5,001	2017-09-13 11:27
82,000	55,536	1,616	1,612	35725,837	35905,165	-0,841	0,037	499,939	15,202	14,378	4,895	2017-09-13 11:27
82,167	55,534	1,611	1,612	35796,049	35732,054	-1,039	0,037	497,268	14,866	15,255	5,042	2017-09-13 11:27
82,334	55,534	1,611	1,610	35738,932	35771,275	-0,838	0,037	500,451	14,374	14,761	4,960	2017-09-13 11:28
82,500	55,533	1,615	1,609	35795,228	35746,202	-0,831	0,037	499,658	14,704	15,402	5,067	2017-09-13 11:28
82,667	55,516	1,616	1,611	35952,796	35842,066	-0,831	0,037	499,658	14,301	15,005	5,001	2017-09-13 11:28
82,834	55,501	1,614	1,610	35758,530	35707,897	-0,841	0,037	499,657	14,737	14,920	4,987	2017-09-13 11:28
83,000	55,509	1,623	1,613	35915,714	35779,615	-0,841	0,037	499,657	14,821	14,811	4,968	2017-09-13 11:28
83,167	55,505	1,619	1,612	35933,380	35842,123	-0,852	0,037	499,657	14,960	15,127	5,021	2017-09-13 11:28
83,334	55,497	1,613	1,610	35844,496	35705,617	-0,848	0,037	499,564	14,712	15,080	5,013	2017-09-13 11:29
83,500	55,497	1,614	1,613	35839,257	35757,705	-0,821	0,037	499,658	15,166	14,889	4,981	2017-09-13 11:29

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
83,667	0,199	0,201	0,464	0,369	0,374	140,999	19,446	24,233	12,406	22,302	20,281	20,265	20,587	19,894	81,590	62,164	74,961
83,834	0,199	0,201	0,464	0,380	0,371	140,988	19,444	20,236	10,919	20,902	20,274	20,260	20,594	19,897	81,720	62,185	74,920
84,000	0,199	0,201	0,464	0,382	0,376	140,864	19,451	20,680	12,209	13,800	20,281	20,268	20,602	19,898	81,435	62,158	74,913
84,167	0,199	0,201	0,464	0,355	0,369	140,880	19,388	22,377	12,228	4,648	20,277	20,278	20,594	19,896	81,389	62,157	74,912
84,333	0,199	0,201	0,464	0,369	0,382	140,914	19,400	28,969	10,833	16,696	20,266	20,264	20,597	19,894	81,655	62,130	74,823
84,500	0,199	0,201	0,464	0,375	0,378	140,728	19,425	32,026	8,720	21,279	20,268	20,261	20,590	19,897	81,627	62,109	74,932
84,667	0,199	0,201	0,463	0,363	0,381	140,712	19,410	30,315	8,892	18,057	20,266	20,268	20,589	19,897	81,455	62,197	74,954
84,833	0,199	0,201	0,463	0,375	0,366	140,773	19,425	32,298	9,171	25,188	20,266	20,258	20,602	19,896	81,687	62,172	74,823
85,000	0,199	0,201	0,463	0,371	0,366	140,833	19,417	23,896	10,083	25,177	20,278	20,268	20,586	19,898	81,787	62,143	74,907
85,167	0,199	0,201	0,463	0,374	0,381	140,892	19,410	19,784	7,848	17,217	20,275	20,261	20,595	19,898	81,596	62,135	74,958
85,333	0,199	0,201	0,463	0,381	0,379	140,789	19,430	27,107	9,284	6,611	20,266	20,268	20,582	19,898	81,901	62,168	74,996
85,500	0,199	0,201	0,463	0,368	0,379	140,690	19,438	30,903	9,351	17,687	20,285	20,270	20,593	19,904	82,042	62,203	75,070
85,667	0,199	0,201	0,463	0,363	0,364	140,476	19,456	27,058	9,412	26,720	20,289	20,272	20,594	19,904	81,790	62,193	75,055
85,833	0,199	0,202	0,463	0,369	0,381	140,415	19,450	22,521	6,484	17,125	20,274	20,268	20,606	19,898	81,433	62,181	74,974
86,000	0,199	0,202	0,463	0,368	0,387	140,377	19,447	27,556	6,245	11,071	20,275	20,283	20,599	19,900	81,716	62,160	74,900
86,167	0,199	0,201	0,462	0,378	0,379	140,350	19,482	29,986	3,903	28,359	20,275	20,281	20,593	19,902	81,889	62,127	74,873
86,333	0,199	0,201	0,462	0,368	0,371	140,224	19,498	24,033	3,469	25,200	20,287	20,274	20,599	19,904	81,408	62,161	74,915
86,500	0,199	0,201	0,462	0,368	0,375	140,231	19,530	22,565	4,233	18,455	20,287	20,278	20,598	19,902	81,257	62,109	74,846
86,667	0,199	0,202	0,462	0,357	0,368	140,119	19,464	21,570	3,142	11,705	20,265	20,281	20,595	19,904	81,481	62,121	74,812
86,833	0,199	0,202	0,462	0,384	0,386	139,978	19,499	20,910	2,846	19,310	20,266	20,272	20,612	19,904	81,458	62,063	74,867
87,000	0,199	0,202	0,462	0,372	0,359	139,848	19,497	20,446	3,150	10,075	20,279	20,290	20,577	19,900	81,486	62,127	74,847
87,167	0,199	0,201	0,462	0,368	0,365	139,889	19,497	22,607	2,557	6,895	20,275	20,283	20,593	19,904	81,490	62,148	74,846
87,333	0,199	0,201	0,461	0,367	0,372	139,887	19,490	24,798	1,541	32,324	20,260	20,273	20,591	19,900	81,257	62,092	74,819
87,500	0,199	0,201	0,462	0,366	0,372	139,878	19,407	26,602	0,146	4,795	20,274	20,292	20,602	19,905	81,251	62,070	74,746
87,667	0,199	0,201	0,461	0,365	0,375	139,887	19,417	25,985	0,818	29,557	20,276	20,285	20,595	19,906	81,215	62,082	74,662
87,833	0,199	0,201	0,461	0,364	0,381	140,013	19,436	23,886	0,036	-3,304	20,268	20,285	20,603	19,906	81,432	62,047	74,677
88,000	0,199	0,201	0,461	0,370	0,380	140,107	19,460	25,463	-0,953	-2,098	20,282	20,279	20,586	19,904	81,119	62,067	74,715
88,167	0,199	0,201	0,461	0,360	0,375	140,161	19,391	24,001	-1,499	26,698	20,283	20,285	20,595	19,905	81,421	62,049	74,665
88,334	0,199	0,201	0,461	0,358	0,375	140,175	19,438	26,645	-2,511	5,626	20,279	20,268	20,605	19,906	81,313	62,067	74,720
88,500	0,199	0,201	0,462	0,365	0,367	140,259	19,459	34,856	-0,830	12,367	20,269	20,277	20,609	19,906	81,323	62,091	74,761
88,667	0,199	0,201	0,473	0,373	0,380	140,361	19,436	34,689	-1,451	21,767	20,281	20,294	20,594	19,906	81,188	62,096	74,755
88,834	0,199	0,201	0,449	0,364	0,379	140,498	19,381	25,818	-1,246	21,518	20,263	20,278	20,607	19,909	81,483	62,122	74,724
89,000	0,199	0,201	0,460	0,359	0,383	140,520	19,433	48,019	-4,442	31,284	20,272	20,291	20,597	19,908	81,571	62,070	74,794
89,167	0,199	0,201	0,460	0,369	0,381	140,574	19,443	22,496	-2,999	8,607	20,274	20,282	20,610	19,904	81,243	62,146	74,844
89,334	0,199	0,201	0,460	0,366	0,385	140,618	19,450	26,796	-2,418	14,334	20,278	20,279	20,594	19,908	81,336	62,149	74,873
89,500	0,199	0,201	0,447	0,367	0,380	140,493	19,501	35,764	-2,261	23,327	20,266	20,287	20,606	19,909	81,201	62,161	74,849

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
83,667	55,502	1,618	1,613	35973,219	35918,866	-1,067	0,037	499,564	14,749	14,969	4,995	2017-09-13 11:29
83,834	55,498	1,616	1,613	35899,260	36071,195	-1,046	0,037	499,471	15,188	14,843	4,974	2017-09-13 11:29
84,000	55,486	1,614	1,610	35844,803	35553,693	-0,845	0,037	499,564	15,286	15,036	5,006	2017-09-13 11:29
84,167	55,489	1,610	1,613	35905,342	35381,485	-0,841	0,037	499,470	14,207	14,747	4,958	2017-09-13 11:29
84,333	55,504	1,611	1,611	35675,758	35955,195	-0,831	0,037	499,471	14,753	15,297	5,049	2017-09-13 11:30
84,500	55,494	1,614	1,611	35888,590	36008,820	-0,838	0,037	499,471	15,019	15,110	5,018	2017-09-13 11:30
84,667	55,481	1,620	1,611	35940,253	35661,592	-0,821	0,037	499,329	14,517	15,232	5,039	2017-09-13 11:30
84,833	55,477	1,616	1,612	35727,049	36034,970	-1,043	0,037	499,329	14,995	14,640	4,940	2017-09-13 11:30
85,000	55,479	1,616	1,613	35914,231	36280,174	-0,852	0,037	499,329	14,846	14,659	4,943	2017-09-13 11:30
85,167	55,475	1,611	1,613	36011,726	35832,849	-1,046	0,037	499,235	14,956	15,231	5,038	2017-09-13 11:30
85,333	55,475	1,618	1,612	36049,330	36498,202	-1,050	0,037	499,329	15,243	15,175	5,029	2017-09-13 11:31
85,500	55,485	1,617	1,613	36206,683	36672,784	-1,046	0,036	499,235	14,723	15,173	5,029	2017-09-13 11:31
85,667	55,482	1,613	1,613	36180,586	36130,847	-0,831	0,037	499,235	14,505	14,567	4,927	2017-09-13 11:31
85,833	55,482	1,613	1,613	36027,814	35481,477	-0,831	0,038	499,235	14,779	15,221	5,037	2017-09-13 11:31
86,000	55,484	1,615	1,614	35902,627	36098,453	-0,862	0,038	499,235	14,737	15,494	5,082	2017-09-13 11:31
86,167	55,477	1,616	1,614	35879,687	36488,433	-0,841	0,037	499,141	15,133	15,145	5,024	2017-09-13 11:31
86,333	55,471	1,615	1,610	35876,844	35529,389	-0,852	0,037	499,142	14,706	14,849	4,975	2017-09-13 11:32
86,500	55,470	1,611	1,612	35782,035	35257,791	-0,859	0,037	499,142	14,733	14,987	4,998	2017-09-13 11:32
86,667	55,461	1,611	1,611	35718,883	35648,628	-0,841	0,039	499,141	14,285	14,730	4,955	2017-09-13 11:32
86,833	55,465	1,611	1,613	35853,718	35717,379	-0,852	0,038	499,048	15,358	15,430	5,071	2017-09-13 11:32
87,000	55,454	1,621	1,611	35801,845	35855,896	-0,866	0,038	499,048	14,867	14,354	4,891	2017-09-13 11:32
87,167	55,442	1,617	1,610	35804,387	35744,836	-0,873	0,036	499,047	14,738	14,600	4,933	2017-09-13 11:32
87,333	55,443	1,610	1,609	35730,256	35259,460	-0,848	0,037	498,954	14,687	14,885	4,981	2017-09-13 11:33
87,500	55,447	1,617	1,610	35607,510	35455,250	-0,838	0,037	499,047	14,631	14,861	4,977	2017-09-13 11:33
87,667	55,459	1,613	1,610	35428,349	35267,751	-1,057	0,037	498,954	14,594	15,013	5,002	2017-09-13 11:33
87,833	55,461	1,611	1,612	35494,122	35699,232	-0,852	0,036	498,954	14,556	15,229	5,038	2017-09-13 11:33
88,000	55,459	1,614	1,612	35562,397	35146,959	-1,053	0,037	498,954	14,783	15,214	5,036	2017-09-13 11:33
88,167	55,467	1,617	1,612	35453,045	35801,954	-1,067	0,037	498,954	14,416	15,013	5,002	2017-09-13 11:33
88,334	55,502	1,614	1,612	35491,981	35515,163	-1,053	0,037	498,860	14,310	14,988	4,998	2017-09-13 11:34
88,500	55,516	1,613	1,613	35571,748	35448,839	-1,067	0,037	499,080	14,588	14,692	4,948	2017-09-13 11:34
88,667	55,514	1,611	1,612	35532,266	35153,253	-1,071	0,036	501,154	14,934	15,209	5,035	2017-09-13 11:34
88,834	55,506	1,614	1,612	35497,537	35722,815	-1,060	0,036	496,654	14,547	15,146	5,024	2017-09-13 11:34
89,000	55,505	1,611	1,613	35650,026	35910,501	-1,064	0,037	498,767	14,360	15,333	5,055	2017-09-13 11:34
89,167	55,509	1,620	1,609	35653,597	35349,192	-1,057	0,036	498,767	14,741	15,231	5,038	2017-09-13 11:34
89,334	55,520	1,612	1,610	35699,224	35347,252	-1,039	0,036	498,767	14,640	15,385	5,064	2017-09-13 11:35
89,500	55,518	1,612	1,610	35662,333	35079,597	-1,067	0,037	496,232	14,665	15,186	5,031	2017-09-13 11:35

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
89,667	0,199	0,201	0,477	0,379	0,369	140,584	19,534	31,771	-2,465	25,538	20,268	20,290	20,605	19,909	81,184	62,146	74,793
89,834	0,199	0,201	0,483	0,375	0,391	140,718	19,557	58,284	-10,236	2,191	20,285	20,293	20,613	19,913	81,325	62,099	74,759
90,000	0,199	0,202	0,483	0,363	0,382	140,714	19,541	57,091	2,318	38,368	20,289	20,286	20,603	19,910	81,467	62,092	74,781
90,167	0,199	0,202	0,485	0,379	0,386	140,700	19,474	51,838	-3,680	28,360	20,273	20,287	20,597	19,912	81,375	62,051	74,717
90,334	0,199	0,201	0,485	0,365	0,369	140,758	19,496	28,855	-3,195	20,844	20,274	20,294	20,602	19,909	81,239	62,102	74,796
90,500	0,199	0,201	0,484	0,377	0,374	140,629	19,519	30,260	-3,398	17,514	20,281	20,293	20,598	19,909	81,134	62,115	74,703
90,667	0,199	0,201	0,483	0,367	0,384	140,545	19,483	26,443	-8,995	17,369	20,277	20,291	20,603	19,912	81,199	62,091	74,726
90,834	0,199	0,201	0,483	0,376	0,372	140,437	19,479	46,333	-6,395	50,350	20,286	20,300	20,597	19,912	81,220	62,095	74,665
91,000	0,199	0,201	0,482	0,360	0,375	140,254	19,489	23,088	-5,330	14,962	20,270	20,290	20,612	19,909	81,271	62,100	74,715
91,167	0,200	0,204	0,482	0,374	0,374	140,159	19,528	25,088	-5,342	31,397	20,280	20,302	20,603	19,913	81,292	62,098	74,716
91,333	0,199	0,202	0,482	0,369	0,373	140,054	19,535	26,631	-5,878	9,153	20,274	20,300	20,598	19,912	81,393	62,111	74,776
91,500	0,199	0,202	0,482	0,364	0,370	140,183	19,535	28,413	-4,659	31,599	20,283	20,304	20,607	19,912	81,589	62,134	74,758
91,667	0,819	0,757	0,482	0,367	0,363	140,227	19,509	25,603	-7,220	15,948	20,278	20,299	20,610	19,912	81,316	62,121	74,826
91,833	0,846	0,835	0,482	0,367	0,384	140,035	19,462	28,674	-5,427	17,089	20,283	20,299	20,618	19,913	81,752	62,152	74,821
92,000	0,846	0,838	0,482	0,365	0,363	139,992	19,472	28,486	-6,035	34,600	20,282	20,300	20,599	19,910	81,330	62,146	74,816
92,167	0,846	0,839	0,482	0,366	0,373	139,918	19,496	23,265	-7,030	19,542	20,281	20,294	20,614	19,916	81,558	62,135	74,816
92,333	0,847	0,839	0,482	0,351	0,366	139,870	19,514	24,010	-6,979	16,344	20,280	20,307	20,600	19,914	81,350	62,135	74,857
92,500	0,847	0,839	0,482	0,372	0,375	139,751	19,513	20,640	-8,305	22,676	20,281	20,297	20,597	19,914	81,443	62,148	74,886
92,667	0,847	0,840	0,481	0,358	0,380	139,662	19,508	19,732	-9,049	20,922	20,280	20,291	20,600	19,914	81,564	62,139	74,839
92,833	0,847	0,840	0,481	0,360	0,375	139,611	19,521	23,049	-10,489	13,956	20,281	20,298	20,596	19,917	81,490	62,149	74,874
93,000	0,847	0,840	0,481	0,356	0,377	139,595	19,549	26,124	-8,047	15,069	20,298	20,308	20,623	19,921	81,150	62,135	74,849
93,167	0,589	0,778	0,481	0,374	0,378	139,496	19,545	23,122	-7,283	33,229	20,284	20,297	20,605	19,916	81,571	62,102	74,763
93,333	0,205	0,220	0,481	0,364	0,367	139,459	19,513	32,700	-11,446	9,796	20,297	20,299	20,614	19,916	81,258	62,145	74,828
93,500	0,200	0,204	0,481	0,368	0,379	139,465	19,512	25,826	-9,905	31,164	20,284	20,306	20,613	19,920	81,772	62,154	74,800
93,667	0,199	0,203	0,481	0,363	0,385	139,440	19,536	26,463	-9,576	8,027	20,274	20,290	20,613	19,917	81,920	62,148	74,826
93,833	0,199	0,203	0,481	0,364	0,380	139,444	19,574	28,813	-9,269	24,835	20,278	20,289	20,615	19,917	81,336	62,153	74,917
94,000	0,199	0,202	0,481	0,362	0,378	139,466	19,572	22,878	-10,250	22,022	20,281	20,304	20,606	19,918	81,691	62,177	74,917
94,167	0,199	0,202	0,480	0,363	0,369	139,446	19,445	17,711	-10,934	16,958	20,277	20,314	20,615	19,921	81,498	62,154	74,888
94,333	0,199	0,202	0,480	0,363	0,379	139,552	19,448	15,390	-12,771	17,550	20,282	20,323	20,601	19,922	81,493	62,215	74,913
94,500	0,199	0,202	0,480	0,365	0,368	139,617	19,518	18,355	-20,296	8,764	20,281	20,301	20,621	19,922	81,608	62,148	74,880
94,667	0,199	0,202	0,480	0,362	0,377	139,529	19,551	1,628	196,939	-6,091	20,285	20,312	20,605	19,922	81,529	62,131	74,905
94,834	0,199	0,202	0,499	0,362	0,370	139,500	19,602	24,671	170,433	-1,342	20,291	20,312	20,615	19,922	81,547	62,137	74,894
95,000	0,199	0,202	0,480	0,362	0,369	139,466	19,623	24,610	150,029	25,423	20,285	20,312	20,598	19,920	81,205	62,113	74,900
95,167	0,199	0,202	0,491	0,366	0,372	139,420	19,624	17,151	136,356	21,872	20,290	20,323	20,617	19,922	81,216	62,083	74,758
95,334	0,199	0,202	0,487	0,372	0,372	139,346	19,607	15,400	125,472	18,786	20,281	20,299	20,609	19,922	81,771	62,125	74,847
95,500	0,199	0,202	0,492	0,368	0,375	139,293	19,593	16,826	79,443	8,853	20,297	20,328	20,624	19,922	81,600	62,149	74,892

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
89,667	55,514	1,614	1,612	35604,396	35114,403	-1,050	0,037	501,950	15,179	14,774	4,962	2017-09-13 11:35
89,834	55,501	1,611	1,611	35546,661	35391,430	-1,060	0,037	503,122	15,006	15,629	5,104	2017-09-13 11:35
90,000	55,501	1,610	1,612	35621,398	35643,523	-1,067	0,038	503,122	14,527	15,291	5,048	2017-09-13 11:35
90,167	55,510	1,611	1,613	35491,402	35588,006	-1,064	0,038	503,452	15,146	15,451	5,075	2017-09-13 11:35
90,334	55,502	1,616	1,612	35643,614	35340,250	-1,050	0,037	503,358	14,612	14,761	4,960	2017-09-13 11:36
90,500	55,490	1,616	1,610	35451,437	35123,887	-1,064	0,037	503,265	15,098	14,963	4,994	2017-09-13 11:36
90,667	55,504	1,616	1,612	35497,281	35280,016	-1,081	0,037	503,029	14,661	15,347	5,058	2017-09-13 11:36
90,834	55,528	1,614	1,613	35375,833	35282,851	-1,074	0,037	503,029	15,021	14,900	4,983	2017-09-13 11:36
91,000	55,525	1,613	1,611	35432,587	35336,028	-1,060	0,036	502,935	14,403	15,020	5,003	2017-09-13 11:36
91,167	55,526	1,613	1,610	35406,953	35374,930	10,670	0,091	502,935	14,958	14,966	4,994	2017-09-13 11:36
91,333	55,534	1,611	1,613	35573,344	35506,479	1,466	0,054	502,935	14,754	14,910	4,985	2017-09-13 11:37
91,500	55,522	1,616	1,612	35522,362	35924,170	-0,233	0,040	502,934	14,551	14,811	4,968	2017-09-13 11:37
91,667	55,522	1,615	1,611	35644,495	35433,960	3868,335	13,929	502,935	14,687	14,530	4,921	2017-09-13 11:37
91,833	55,522	1,620	1,613	35680,922	36299,543	4037,916	15,876	502,841	14,690	15,346	5,057	2017-09-13 11:37
92,000	55,525	1,613	1,613	35652,551	35366,784	4041,008	15,946	502,841	14,606	14,533	4,922	2017-09-13 11:37
92,167	55,522	1,610	1,612	35629,752	35731,671	4042,134	15,968	502,841	14,621	14,907	4,985	2017-09-13 11:37
92,333	55,518	1,612	1,611	35696,189	35399,361	4042,585	15,978	502,841	14,052	14,652	4,942	2017-09-13 11:38
92,500	55,512	1,613	1,614	35835,526	35562,829	4043,027	15,987	502,841	14,867	14,982	4,997	2017-09-13 11:38
92,667	55,513	1,612	1,612	35704,436	35793,491	4043,656	15,994	502,747	14,339	15,184	5,031	2017-09-13 11:38
92,833	55,508	1,614	1,611	35756,227	35681,627	4043,909	15,998	502,747	14,404	14,999	5,000	2017-09-13 11:38
93,000	55,520	1,613	1,611	35693,328	35044,500	4044,135	16,002	502,747	14,239	15,069	5,012	2017-09-13 11:38
93,167	55,517	1,612	1,612	35545,847	35860,945	2436,075	14,450	502,747	14,952	15,137	5,023	2017-09-13 11:38
93,333	55,533	1,617	1,612	35651,782	35324,567	40,863	0,493	502,653	14,561	14,684	4,947	2017-09-13 11:39
93,500	55,541	1,620	1,614	35607,886	36325,662	5,757	0,110	502,653	14,738	15,168	5,028	2017-09-13 11:39
93,667	55,548	1,614	1,613	35635,389	36481,314	3,401	0,078	502,653	14,513	15,406	5,067	2017-09-13 11:39
93,833	55,546	1,617	1,613	35798,762	35454,474	2,324	0,068	502,653	14,577	15,212	5,035	2017-09-13 11:39
94,000	55,548	1,611	1,612	35783,057	35937,137	1,952	0,060	502,653	14,498	15,110	5,018	2017-09-13 11:39
94,167	55,526	1,611	1,613	35782,612	35626,679	1,497	0,055	502,559	14,536	14,765	4,961	2017-09-13 11:39
94,333	55,508	1,618	1,612	35841,292	35654,776	1,066	0,052	502,560	14,522	15,141	5,023	2017-09-13 11:40
94,500	55,492	1,614	1,610	35774,573	35887,012	0,642	0,050	502,560	14,620	14,731	4,955	2017-09-13 11:40
94,667	55,473	1,614	1,613	35922,011	35777,036	0,632	0,046	502,466	14,482	15,072	5,012	2017-09-13 11:40
94,834	55,467	1,613	1,613	35911,362	35777,226	0,222	0,044	506,123	14,464	14,792	4,965	2017-09-13 11:40
95,000	55,475	1,610	1,610	35842,594	35142,213	0,222	0,043	502,467	14,485	14,771	4,962	2017-09-13 11:40
95,167	55,492	1,612	1,613	35609,663	35247,545	-0,001	0,044	504,623	14,622	14,888	4,981	2017-09-13 11:40
95,334	55,518	1,616	1,612	35694,670	36280,339	-0,001	0,043	503,733	14,870	14,876	4,979	2017-09-13 11:41
95,500	55,532	1,611	1,611	35749,387	35812,592	-0,213	0,040	504,823	14,733	14,991	4,999	2017-09-13 11:41

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,201	0,491	-0,003	0,368	18,993	19,408	6,918	113,594	27,024	20,104	20,083	20,483	19,763	58,714	44,870	54,767
95,667	0,199	0,202	0,480	0,364	0,381	139,263	19,582	18,496	81,263	25,223	20,282	20,316	20,621	19,924	81,743	62,148	74,892
95,834	0,199	0,202	0,480	0,367	0,385	139,171	19,531	16,263	83,631	26,722	20,289	20,305	20,612	19,926	81,841	62,135	74,904
96,000	0,215	0,368	0,480	0,366	0,377	139,224	19,602	19,237	80,719	6,023	20,290	20,311	20,630	19,925	81,533	62,185	74,993
96,167	0,222	0,668	0,480	0,366	0,379	139,155	19,560	29,968	81,468	14,729	20,290	20,320	20,608	19,925	81,351	62,185	74,865
96,334	0,223	0,668	0,479	0,361	0,388	139,058	19,570	27,900	74,275	20,429	20,289	20,331	20,613	19,926	81,317	62,119	74,807
96,500	0,223	0,646	0,479	0,369	0,362	139,023	19,573	21,250	70,997	23,579	20,290	20,323	20,617	19,926	81,201	62,074	74,697
96,667	0,222	0,661	0,479	0,367	0,372	138,931	19,478	14,983	67,947	20,698	20,293	20,314	20,606	19,925	81,153	62,041	74,685
96,834	0,220	0,672	0,479	0,359	0,375	138,867	19,492	16,087	65,012	23,097	20,289	20,320	20,614	19,925	81,424	62,021	74,674
97,000	0,221	0,681	0,479	0,373	0,370	138,935	19,516	22,146	60,739	10,774	20,289	20,319	20,622	19,929	81,222	62,064	74,686
97,167	0,223	0,701	0,479	0,365	0,363	138,993	19,554	20,412	59,120	28,974	20,288	20,327	20,614	19,927	80,823	62,028	74,570
97,334	0,226	0,736	0,479	0,364	0,380	138,946	19,581	23,177	56,693	5,895	20,292	20,323	20,615	19,929	80,773	62,083	74,585
97,500	0,221	0,734	0,479	0,369	0,377	138,923	19,564	23,119	56,966	35,367	20,297	20,328	20,622	19,930	81,138	62,061	74,547
97,667	0,219	0,701	0,479	0,369	0,373	138,872	19,582	19,712	52,682	17,007	20,286	20,324	20,631	19,929	80,919	62,037	74,605
97,833	0,221	0,677	0,479	0,358	0,382	138,680	19,584	20,911	43,957	14,610	20,289	20,328	20,617	19,931	81,232	62,013	74,565
98,000	0,229	0,647	0,479	0,363	0,384	138,591	19,561	19,635	45,842	29,515	20,288	20,324	20,618	19,927	81,126	62,074	74,611
98,167	0,226	0,644	0,478	0,371	0,368	138,532	19,569	21,847	35,273	8,863	20,297	20,337	20,626	19,930	81,028	62,035	74,481
98,333	0,224	0,665	0,478	0,378	0,375	138,500	19,565	22,056	38,306	26,295	20,310	20,345	20,619	19,934	81,055	62,028	74,557
98,500	0,224	0,677	0,478	0,365	0,381	138,499	19,545	22,027	34,336	13,216	20,292	20,340	20,627	19,935	81,050	62,024	74,539
98,667	0,220	0,681	0,478	0,373	0,379	138,670	19,525	20,364	32,274	30,395	20,289	20,340	20,622	19,934	80,958	61,985	74,473
98,833	0,219	0,707	0,478	0,352	0,386	138,734	19,550	22,392	29,395	8,299	20,306	20,328	20,625	19,933	81,123	62,048	74,542
99,000	0,216	0,718	0,478	0,371	0,377	138,854	19,575	25,999	27,855	17,409	20,284	20,341	20,618	19,933	80,771	62,016	74,446
99,167	0,219	0,716	0,478	0,376	0,377	138,936	19,582	27,219	23,681	17,506	20,297	20,337	20,625	19,931	80,915	61,975	74,338
99,333	0,219	0,707	0,478	0,372	0,369	138,970	19,561	23,461	28,011	32,389	20,302	20,349	20,619	19,934	80,746	61,961	74,426
99,500	0,220	0,696	0,477	0,370	0,368	138,961	19,534	19,419	25,247	24,657	20,302	20,343	20,612	19,934	81,284	61,998	74,449
99,667	0,223	0,670	0,478	0,374	0,362	138,944	19,529	23,311	21,482	3,077	20,318	20,345	20,623	19,935	81,190	61,975	74,477
99,833	0,221	0,673	0,477	0,369	0,370	139,032	19,552	24,696	27,199	35,365	20,296	20,348	20,621	19,935	81,032	62,002	74,492
100,000	0,222	0,679	0,477	0,365	0,375	139,071	19,577	23,669	26,022	15,682	20,300	20,344	20,629	19,939	80,980	62,032	74,491

Froling_PE135kw_170913_start_cat IV.DAT

Pre burn category IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	36,193	27,398	18,053	386807,816	436208,538	-0,289	0,037	504,532	-0,127	14,738	4,956	2017-09-13 10:05
95,667	55,542	1,615	1,613	35770,723	36168,172	-0,428	0,039	502,559	14,553	15,242	5,040	2017-09-13 11:41
95,834	55,544	1,612	1,613	35782,932	36305,568	-0,400	0,038	502,466	14,692	15,381	5,063	2017-09-13 11:41
96,000	55,522	1,616	1,612	35963,448	35742,415	104,695	4,197	502,466	14,632	15,069	5,012	2017-09-13 11:41
96,167	55,496	1,612	1,614	35818,507	35312,554	144,885	11,690	502,467	14,623	15,173	5,029	2017-09-13 11:41
96,334	55,471	1,613	1,613	35743,296	35383,615	149,512	11,690	502,324	14,460	15,508	5,084	2017-09-13 11:42
96,500	55,445	1,608	1,612	35556,757	35158,199	149,085	11,138	502,324	14,758	14,486	4,914	2017-09-13 11:42
96,667	55,439	1,611	1,611	35522,653	35193,734	145,944	11,513	502,325	14,687	14,868	4,978	2017-09-13 11:42
96,834	55,447	1,617	1,613	35542,550	35866,460	135,531	11,812	502,324	14,365	15,020	5,003	2017-09-13 11:42
97,000	55,473	1,616	1,615	35551,528	35372,588	139,850	12,037	502,324	14,904	14,781	4,963	2017-09-13 11:42
97,167	55,494	1,613	1,613	35261,837	34644,172	150,854	12,515	502,325	14,589	14,533	4,922	2017-09-13 11:42
97,334	55,498	1,623	1,615	35312,923	34677,723	167,955	13,391	502,231	14,570	15,215	5,036	2017-09-13 11:43
97,500	55,492	1,617	1,614	35253,184	35255,002	138,630	13,347	502,231	14,763	15,083	5,014	2017-09-13 11:43
97,667	55,488	1,614	1,613	35337,977	34831,547	128,332	12,531	502,231	14,754	14,908	4,985	2017-09-13 11:43
97,833	55,484	1,615	1,615	35304,268	35469,693	141,341	11,934	502,231	14,300	15,290	5,048	2017-09-13 11:43
98,000	55,482	1,620	1,613	35357,976	35267,566	188,423	11,182	502,230	14,518	15,364	5,060	2017-09-13 11:43
98,167	55,492	1,616	1,613	35103,955	35090,190	172,878	11,108	502,137	14,834	14,738	4,956	2017-09-13 11:43
98,333	55,498	1,615	1,613	35229,331	35121,067	157,719	11,616	502,137	15,111	14,980	4,997	2017-09-13 11:44
98,500	55,497	1,614	1,613	35196,632	35098,546	155,155	11,923	502,137	14,582	15,240	5,040	2017-09-13 11:44
98,667	55,493	1,614	1,613	35086,464	34992,984	132,866	12,015	502,137	14,926	15,167	5,028	2017-09-13 11:44
98,833	55,498	1,620	1,615	35232,072	35326,402	125,490	12,668	502,043	14,074	15,437	5,072	2017-09-13 11:44
99,000	55,484	1,616	1,613	35053,921	34632,333	110,640	12,959	502,043	14,834	15,079	5,013	2017-09-13 11:44
99,167	55,471	1,611	1,613	34871,488	34873,905	126,841	12,904	502,043	15,035	15,076	5,013	2017-09-13 11:44
99,333	55,482	1,616	1,613	35014,064	34690,662	126,358	12,682	502,043	14,885	14,759	4,960	2017-09-13 11:45
99,500	55,481	1,614	1,613	35062,529	35583,984	129,791	12,392	501,949	14,799	14,733	4,955	2017-09-13 11:45
99,667	55,488	1,613	1,615	35133,307	35423,767	153,345	11,755	502,043	14,946	14,487	4,914	2017-09-13 11:45
99,833	55,481	1,616	1,612	35110,278	35138,283	137,602	11,814	501,949	14,740	14,789	4,965	2017-09-13 11:45
100,000	55,490	1,620	1,613	35113,001	35090,628	142,741	11,976	501,949	14,606	14,980	4,997	2017-09-13 11:45

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

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	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,218	0,714	0,538	0,376	0,381	140,031	19,482	23,746	2,703	8,551	20,306	20,353	20,625	19,939	81,362	62,000	74,566
0,167	0,221	0,725	0,541	0,357	0,383	140,029	19,545	21,788	5,937	26,105	20,317	20,355	20,631	19,942	81,177	61,965	74,655
0,334	0,221	0,733	0,541	0,370	0,381	139,937	19,554	21,204	3,928	6,315	20,309	20,356	20,627	19,942	81,145	62,036	74,624
0,500	0,225	0,724	0,541	0,374	0,367	139,882	19,626	26,118	4,629	20,181	20,305	20,364	20,637	19,943	81,532	61,989	74,586
0,667	0,224	0,718	0,540	0,362	0,375	139,824	19,704	23,587	-3,698	21,914	20,318	20,366	20,633	19,942	81,328	61,985	74,616
0,834	0,227	0,723	0,540	0,374	0,375	139,841	19,571	23,412	-14,275	8,997	20,309	20,362	20,628	19,943	81,402	61,966	74,659
1,000	0,222	0,696	0,540	0,369	0,385	139,712	19,529	23,178	-7,688	32,322	20,300	20,351	20,624	19,942	81,402	62,065	74,800
1,167	0,229	0,674	0,540	0,369	0,376	139,593	19,554	23,147	-10,659	4,814	20,300	20,353	20,635	19,945	81,293	62,051	74,736
1,334	0,228	0,658	0,539	0,357	0,371	139,603	19,587	24,579	-10,420	32,353	20,305	20,359	20,634	19,945	81,246	62,041	74,716
1,500	0,233	0,690	0,539	0,359	0,377	139,701	19,644	20,711	-18,001	20,331	20,304	20,359	20,630	19,945	81,274	62,013	74,630
1,667	0,224	0,711	0,539	0,385	0,373	139,789	19,627	19,844	-16,565	25,483	20,291	20,361	20,624	19,949	81,188	61,997	74,659
1,834	0,220	0,724	0,539	0,374	0,374	139,738	19,617	17,792	-14,573	19,475	20,306	20,360	20,635	19,947	81,190	61,981	74,694
2,000	0,228	0,695	0,539	0,370	0,370	139,668	19,623	16,469	-13,658	19,604	20,325	20,373	20,635	19,950	81,240	62,076	74,703
2,334	0,228	0,690	0,539	0,364	0,374	139,712	19,549	19,802	-15,281	14,554	20,312	20,374	20,634	19,949	81,105	62,020	74,732
2,588	0,225	0,671	0,539	0,365	0,391	139,672	19,553	23,664	-25,932	9,383	20,313	20,376	20,637	19,953	81,018	62,082	74,689
2,783	0,230	0,675	0,539	0,380	0,372	139,668	19,579	26,781	-23,754	15,131	20,310	20,378	20,642	19,953	81,348	62,026	74,628
2,909	0,233	0,663	0,538	0,372	0,377	139,658	19,568	24,841	-19,430	38,253	20,313	20,369	20,642	19,950	81,280	61,987	74,605
3,058	0,230	0,668	0,538	0,361	0,375	139,598	19,593	24,018	-24,612	9,541	20,316	20,377	20,638	19,953	81,038	62,012	74,581
3,241	0,228	0,671	0,538	0,369	0,379	139,546	19,598	25,621	-25,510	20,771	20,309	20,363	20,638	19,954	80,788	61,986	74,565
3,298	0,229	0,670	0,538	0,376	0,369	139,544	19,600	23,499	-27,669	29,191	20,314	20,377	20,641	19,957	81,062	61,986	74,526
3,356	0,228	0,676	0,538	0,372	0,373	139,498	19,598	19,213	-30,846	16,667	20,314	20,368	20,634	19,954	80,839	61,979	74,509
3,500	0,225	0,699	0,538	0,367	0,366	139,700	19,578	22,496	-33,926	19,631	20,312	20,369	20,636	19,955	80,821	61,936	74,488
3,667	0,228	0,700	0,538	0,365	0,379	139,697	19,576	23,772	-31,991	29,016	20,307	20,372	20,654	19,955	80,943	61,997	74,491
3,834	0,230	0,716	0,538	0,369	0,379	139,592	19,571	23,871	-35,549	8,438	20,310	20,361	20,647	19,954	81,359	61,982	74,493
4,000	0,223	0,690	0,538	0,377	0,386	139,504	19,585	27,290	-32,311	11,881	20,304	20,372	20,641	19,955	81,091	61,971	74,532
4,167	0,229	0,669	0,538	0,377	0,381	139,450	19,621	25,518	-25,764	33,835	20,305	20,393	20,632	19,958	81,186	61,954	74,520
4,334	0,229	0,670	0,538	0,377	0,385	139,357	19,614	22,089	-28,832	21,361	20,314	20,373	20,646	19,961	80,861	62,026	74,558
4,500	0,224	0,695	0,538	0,371	0,385	139,308	19,582	21,627	-27,905	17,036	20,316	20,382	20,642	19,959	81,012	62,008	74,459
4,667	0,228	0,695	0,537	0,369	0,374	139,279	19,610	18,855	-30,274	22,074	20,322	20,377	20,641	19,962	80,792	61,982	74,505
4,834	0,233	0,673	0,537	0,362	0,378	139,291	19,592	17,311	-31,884	19,714	20,316	20,376	20,653	19,959	80,960	61,983	74,489
5,000	0,229	0,669	0,537	0,369	0,377	139,380	19,605	19,165	-32,729	17,731	20,305	20,369	20,637	19,958	80,757	61,977	74,484
5,167	0,228	0,682	0,537	0,365	0,373	139,347	19,591	21,166	-34,595	7,811	20,312	20,378	20,646	19,958	81,134	61,973	74,481
5,334	0,224	0,682	0,537	0,371	0,365	139,376	19,626	23,198	-29,931	24,304	20,309	20,380	20,653	19,962	81,019	61,940	74,482
5,500	0,225	0,686	0,537	0,369	0,376	139,422	19,556	22,542	-28,816	17,658	20,320	20,386	20,636	19,962	81,170	62,010	74,497

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	55,422	26,894	26,210	574998,995	595198,565	119,003	12,839	513,351	15,032	15,242	5,040	2017-09-13 11:48
0,167	55,421	1,613	1,614	35570,607	35424,117	140,441	13,131	513,851	14,285	15,327	5,054	2017-09-13 11:48
0,334	55,414	1,619	1,612	35481,974	35353,637	142,192	13,316	513,851	14,796	15,255	5,042	2017-09-13 11:48
0,500	55,407	1,610	1,613	35448,606	35962,178	161,232	13,104	513,851	14,962	14,684	4,947	2017-09-13 11:48
0,667	55,405	1,613	1,615	35544,664	35653,799	159,130	12,951	513,758	14,496	15,006	5,001	2017-09-13 11:49
0,834	55,415	1,614	1,613	35577,760	35851,340	178,003	13,063	513,758	14,945	14,997	4,999	2017-09-13 11:49
1,000	55,427	1,622	1,616	35873,300	35842,092	145,433	12,412	513,758	14,779	15,407	5,067	2017-09-13 11:49
1,167	55,437	1,615	1,616	35736,068	35515,955	186,901	11,845	513,758	14,746	15,039	5,006	2017-09-13 11:49
1,334	55,430	1,617	1,615	35694,912	35496,636	180,668	11,459	513,618	14,293	14,832	4,972	2017-09-13 11:49
1,500	55,421	1,611	1,613	35503,688	35467,634	215,732	12,262	513,618	14,346	15,068	5,011	2017-09-13 11:49
1,667	55,425	1,614	1,613	35558,901	35407,970	157,229	12,784	513,618	15,391	14,932	4,989	2017-09-13 11:50
1,834	55,427	1,611	1,613	35615,352	35366,463	135,236	13,100	513,618	14,942	14,961	4,994	2017-09-13 11:50
2,000	55,441	1,618	1,613	35607,573	35431,677	182,172	12,383	513,618	14,796	14,807	4,968	2017-09-13 11:50
2,334	55,419	1,612	1,615	35743,184	35163,368	182,596	12,247	513,525	14,561	14,946	4,991	2017-09-13 11:50
2,588	55,430	1,620	1,614	35615,926	35070,197	163,991	11,775	513,525	14,601	15,625	5,103	2017-09-13 11:50
2,783	55,438	1,613	1,616	35531,535	35615,690	197,721	11,873	513,524	15,190	14,878	4,980	2017-09-13 11:51
2,909	55,445	1,611	1,612	35402,745	35515,720	214,898	11,575	513,430	14,874	15,086	5,014	2017-09-13 11:51
3,058	55,449	1,616	1,615	35399,512	35145,860	193,569	11,693	513,431	14,445	15,017	5,003	2017-09-13 11:51
3,241	55,451	1,612	1,614	35343,651	34636,268	181,780	11,778	513,430	14,760	15,150	5,025	2017-09-13 11:51
3,298	55,453	1,608	1,607	35128,127	35050,090	186,595	11,748	513,430	15,049	14,776	4,963	2017-09-13 11:51
3,356	55,450	1,612	1,618	35344,595	34743,552	183,277	11,903	513,430	14,884	14,910	4,985	2017-09-13 11:51
3,500	55,442	1,610	1,611	35165,013	34757,852	166,471	12,485	513,430	14,674	14,630	4,938	2017-09-13 11:51
3,667	55,449	1,616	1,615	35232,936	34999,068	181,985	12,510	513,430	14,616	15,169	5,028	2017-09-13 11:52
3,834	55,458	1,613	1,615	35216,927	35716,091	192,877	12,909	513,337	14,778	15,175	5,029	2017-09-13 11:52
4,000	55,454	1,614	1,613	35265,392	35275,069	152,219	12,254	513,337	15,062	15,435	5,072	2017-09-13 11:52
4,167	55,461	1,611	1,616	35301,261	35423,384	189,757	11,713	513,337	15,071	15,239	5,040	2017-09-13 11:52
4,334	55,462	1,621	1,613	35295,175	34894,030	187,440	11,749	513,337	15,092	15,419	5,069	2017-09-13 11:52
4,500	55,463	1,613	1,614	35143,015	35044,018	155,586	12,372	513,337	14,841	15,415	5,069	2017-09-13 11:52
4,667	55,465	1,614	1,613	35201,663	34707,163	185,136	12,381	513,242	14,769	14,952	4,992	2017-09-13 11:53
4,834	55,466	1,611	1,611	35108,006	34942,400	213,540	11,823	513,242	14,493	15,105	5,018	2017-09-13 11:53
5,000	55,459	1,613	1,616	35219,678	34627,164	187,846	11,728	513,242	14,743	15,086	5,014	2017-09-13 11:53
5,167	55,457	1,614	1,613	35166,754	35341,590	180,724	12,045	513,149	14,597	14,910	4,985	2017-09-13 11:53
5,334	55,454	1,611	1,613	35167,348	35131,968	155,808	12,048	513,149	14,857	14,608	4,934	2017-09-13 11:53
5,500	55,457	1,620	1,615	35229,110	35483,965	166,266	12,148	513,242	14,743	15,044	5,007	2017-09-13 11:53

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
5,667	0,228	0,680	0,537	0,363	0,372	139,555	19,565	23,819	-30,149	16,136	20,296	20,357	20,646	19,958	80,831	61,983	74,504
5,833	0,228	0,700	0,537	0,374	0,367	139,428	19,566	25,942	-36,607	15,269	20,318	20,389	20,650	19,966	81,123	61,958	74,416
6,000	0,225	0,697	0,536	0,370	0,378	139,436	19,685	27,499	-48,083	15,448	20,320	20,380	20,649	19,963	80,765	61,908	74,339
6,167	0,221	0,699	0,536	0,375	0,385	139,534	19,650	26,564	-55,186	35,739	20,311	20,376	20,642	19,962	81,323	61,911	74,372
6,333	0,223	0,724	0,536	0,369	0,358	139,665	19,613	26,749	-61,010	5,095	20,316	20,378	20,640	19,962	80,881	61,918	74,407
6,500	0,221	0,726	0,536	0,360	0,373	139,588	19,631	28,786	-52,111	28,062	20,318	20,385	20,650	19,962	80,892	61,947	74,451
6,667	0,222	0,719	0,536	0,369	0,368	139,570	19,630	22,055	-53,621	26,795	20,312	20,377	20,641	19,961	80,943	61,948	74,436
6,833	0,219	0,706	0,536	0,373	0,367	139,572	19,626	25,644	-58,820	8,524	20,304	20,378	20,654	19,961	81,196	61,959	74,476
7,000	0,224	0,698	0,536	0,373	0,381	139,547	19,599	28,644	-58,105	12,782	20,325	20,382	20,646	19,966	81,107	62,014	74,478
7,167	0,221	0,683	0,536	0,359	0,376	139,521	19,620	25,243	-52,708	32,601	20,333	20,381	20,636	19,967	81,168	62,043	74,535
7,333	0,225	0,677	0,536	0,376	0,373	139,588	19,627	23,653	-57,132	19,710	20,315	20,377	20,647	19,965	81,427	62,131	74,601
7,500	0,226	0,677	0,536	0,367	0,368	139,523	19,634	26,514	-56,396	5,221	20,330	20,385	20,650	19,969	81,199	62,096	74,642
7,667	0,229	0,708	0,535	0,369	0,382	139,456	19,601	28,242	-53,836	29,500	20,322	20,384	20,637	19,967	81,139	62,134	74,597
7,833	0,229	0,682	0,535	0,367	0,375	139,493	19,607	27,540	-53,597	6,548	20,322	20,385	20,651	19,967	81,309	62,072	74,486
8,000	0,227	0,683	0,535	0,376	0,373	139,619	19,617	27,686	-43,746	34,861	20,316	20,381	20,650	19,967	80,838	62,006	74,549
8,167	0,221	0,683	0,535	0,365	0,372	139,656	19,628	27,382	-47,062	4,535	20,319	20,383	20,662	19,970	80,987	62,056	74,526
8,333	0,222	0,694	0,535	0,371	0,374	139,727	19,626	27,369	-44,934	35,966	20,311	20,382	20,648	19,967	80,829	62,043	74,522
8,500	0,222	0,712	0,535	0,375	0,377	139,753	19,565	26,453	-47,480	6,909	20,322	20,379	20,658	19,969	80,771	62,028	74,505
8,667	0,218	0,721	0,535	0,374	0,368	139,654	19,595	25,177	-35,624	32,825	20,325	20,389	20,649	19,970	81,155	61,970	74,482
8,833	0,224	0,708	0,535	0,367	0,369	139,661	19,611	24,604	-41,382	13,465	20,324	20,371	20,662	19,970	80,934	62,056	74,550
9,000	0,226	0,681	0,534	0,368	0,380	139,586	19,618	23,193	-23,666	29,196	20,325	20,387	20,653	19,973	81,035	62,102	74,574
9,167	0,222	0,682	0,534	0,368	0,371	139,726	19,616	23,141	-21,950	16,418	20,324	20,394	20,650	19,970	81,134	62,083	74,553
9,333	0,225	0,689	0,534	0,376	0,374	139,671	19,574	26,055	-24,483	4,237	20,325	20,398	20,658	19,974	81,185	62,110	74,608
9,500	0,222	0,705	0,534	0,361	0,376	139,792	19,599	26,133	-16,008	32,911	20,330	20,392	20,662	19,977	81,278	62,102	74,592
9,667	0,225	0,713	0,534	0,366	0,379	139,974	19,613	21,617	-15,049	20,034	20,321	20,388	20,646	19,975	81,228	62,106	74,670
9,834	0,222	0,711	0,534	0,379	0,358	140,005	19,643	25,532	-17,854	7,692	20,332	20,402	20,656	19,978	81,340	62,086	74,623
10,000	0,225	0,713	0,534	0,364	0,377	140,145	19,616	28,194	-14,815	11,252	20,327	20,392	20,649	19,977	81,265	62,110	74,630
10,167	0,221	0,714	0,533	0,360	0,379	140,095	19,613	28,117	-13,940	27,595	20,328	20,398	20,661	19,977	81,427	62,087	74,612
10,334	0,222	0,725	0,534	0,372	0,374	140,092	19,626	23,455	-12,395	26,907	20,320	20,400	20,657	19,977	81,231	62,060	74,613
10,500	0,225	0,723	0,533	0,363	0,381	140,069	19,629	23,537	-14,685	14,465	20,337	20,380	20,644	19,975	81,267	62,114	74,723
10,667	0,227	0,700	0,533	0,376	0,368	140,106	19,624	26,476	-12,831	8,650	20,328	20,385	20,641	19,975	81,702	62,161	74,794
10,834	0,225	0,706	0,533	0,375	0,375	140,114	19,561	27,011	-10,980	30,086	20,328	20,390	20,656	19,975	81,651	62,203	74,946
11,000	0,228	0,706	0,533	0,379	0,382	140,026	19,603	27,359	-13,116	6,327	20,336	20,388	20,658	19,977	81,510	62,191	74,888
11,167	0,225	0,696	0,533	0,373	0,385	139,896	19,617	25,872	-10,194	33,849	20,327	20,387	20,648	19,978	81,339	62,248	74,912
11,334	0,227	0,671	0,533	0,373	0,379	139,893	19,607	26,718	-12,768	11,373	20,328	20,389	20,661	19,978	81,459	62,227	74,830
11,500	0,226	0,686	0,533	0,366	0,376	139,982	19,620	28,063	-13,120	16,805	20,334	20,400	20,659	19,978	81,220	62,191	74,877
11,667	0,223	0,681	0,533	0,375	0,380	139,986	19,619	23,630	-9,905	29,687	20,336	20,398	20,666	19,981	81,366	62,196	74,853

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
5,667	55,445	1,616	1,615	35264,698	34805,329	184,917	11,997	513,149	14,511	14,884	4,981	2017-09-13 11:54
5,833	55,441	1,614	1,616	35137,668	35359,462	180,102	12,503	513,149	14,958	14,671	4,945	2017-09-13 11:54
6,000	55,443	1,614	1,616	34991,871	34790,206	165,252	12,420	513,055	14,797	15,110	5,018	2017-09-13 11:54
6,167	55,439	1,614	1,618	35099,081	35810,122	138,359	12,472	513,055	15,001	15,389	5,064	2017-09-13 11:54
6,333	55,441	1,615	1,618	35154,346	34996,032	152,445	13,091	513,055	14,748	14,326	4,886	2017-09-13 11:54
6,500	55,447	1,615	1,617	35221,057	34976,079	140,191	13,142	513,055	14,393	14,938	4,990	2017-09-13 11:54
6,667	55,496	1,613	1,616	35077,415	35014,963	147,407	12,974	513,055	14,760	14,709	4,951	2017-09-13 11:55
6,833	55,592	1,613	1,616	34967,975	35460,591	128,971	12,640	513,055	14,923	14,684	4,947	2017-09-13 11:55
7,000	55,624	1,613	1,613	34846,949	35189,932	160,606	12,456	512,963	14,904	15,220	5,037	2017-09-13 11:55
7,167	55,624	1,615	1,617	35046,825	35308,234	139,833	12,084	512,962	14,373	15,051	5,008	2017-09-13 11:55
7,333	55,631	1,621	1,616	35123,518	35746,285	162,886	11,928	512,962	15,037	14,906	4,984	2017-09-13 11:55
7,500	55,633	1,611	1,615	35174,471	35173,183	169,619	11,927	512,962	14,688	14,716	4,952	2017-09-13 11:55
7,667	55,576	1,613	1,615	35191,890	35030,570	192,068	12,708	512,820	14,780	15,272	5,045	2017-09-13 11:56
7,833	55,534	1,613	1,616	35094,788	35457,572	188,426	12,053	512,820	14,670	14,983	4,997	2017-09-13 11:56
8,000	55,517	1,616	1,616	35242,561	34781,839	179,275	12,066	512,820	15,047	14,929	4,988	2017-09-13 11:56
8,167	55,514	1,618	1,618	35241,409	35015,261	139,649	12,087	512,820	14,585	14,874	4,979	2017-09-13 11:56
8,333	55,506	1,613	1,614	35176,824	34630,596	145,725	12,348	512,726	14,838	14,965	4,994	2017-09-13 11:56
8,500	55,540	1,616	1,615	35090,577	34609,796	145,274	12,797	512,726	15,005	15,093	5,015	2017-09-13 11:56
8,667	55,583	1,611	1,616	34999,975	35332,514	121,998	13,021	512,726	14,952	14,733	4,955	2017-09-13 11:57
8,833	55,609	1,620	1,615	35045,146	34954,098	158,077	12,694	512,726	14,677	14,770	4,962	2017-09-13 11:57
9,000	55,627	1,614	1,617	35113,143	34930,660	172,833	12,032	512,633	14,701	15,216	5,036	2017-09-13 11:57
9,167	55,638	1,614	1,616	35026,334	35141,650	145,708	12,043	512,632	14,727	14,842	4,974	2017-09-13 11:57
9,333	55,628	1,613	1,616	35145,913	35163,037	164,807	12,217	512,632	15,045	14,948	4,991	2017-09-13 11:57
9,500	55,612	1,611	1,616	35145,096	35304,707	147,626	12,621	512,633	14,441	15,056	5,009	2017-09-13 11:57
9,667	55,597	1,611	1,616	35320,679	35215,851	165,019	12,826	512,633	14,657	15,162	5,027	2017-09-13 11:58
9,834	55,595	1,611	1,615	35203,046	35458,432	144,252	12,770	512,539	15,161	14,308	4,883	2017-09-13 11:58
10,000	55,588	1,614	1,615	35227,318	35336,228	163,528	12,821	512,539	14,556	15,089	5,015	2017-09-13 11:58
10,167	55,584	1,610	1,616	35237,366	35597,374	139,864	12,853	512,482	14,397	15,178	5,030	2017-09-13 11:58
10,334	55,588	1,610	1,615	35197,248	35273,431	147,622	13,133	512,538	14,886	14,944	4,991	2017-09-13 11:58
10,500	55,612	1,615	1,613	35326,819	35353,437	161,864	13,087	512,445	14,503	15,259	5,043	2017-09-13 11:58
10,667	55,628	1,612	1,615	35457,666	35999,980	174,344	12,503	512,445	15,040	14,710	4,951	2017-09-13 11:59
10,834	55,636	1,612	1,613	35689,588	35841,447	163,751	12,661	512,445	15,011	14,987	4,998	2017-09-13 11:59
11,000	55,648	1,616	1,616	35628,328	35677,575	181,787	12,638	512,445	15,143	15,269	5,045	2017-09-13 11:59
11,167	55,640	1,620	1,615	35654,321	35348,459	165,019	12,397	512,352	14,909	15,383	5,063	2017-09-13 11:59
11,334	55,633	1,615	1,615	35516,281	35508,251	176,565	11,780	512,351	14,913	15,149	5,025	2017-09-13 11:59
11,500	55,625	1,609	1,613	35583,365	35003,256	171,019	12,160	512,352	14,640	15,054	5,009	2017-09-13 11:59
11,667	55,629	1,611	1,615	35562,827	35296,983	151,375	12,015	512,352	14,988	15,216	5,036	2017-09-13 12:00

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
11,834	0,222	0,685	0,533	0,380	0,379	140,063	19,598	24,787	-11,142	12,746	20,342	20,396	20,671	19,982	81,238	62,148	74,789
12,000	0,222	0,672	0,532	0,376	0,382	140,026	19,626	27,157	-10,951	12,095	20,329	20,387	20,667	19,981	81,487	62,217	74,790
12,167	0,221	0,690	0,532	0,380	0,381	139,935	19,590	30,003	-13,198	10,272	20,337	20,410	20,669	19,982	81,373	62,188	74,801
12,334	0,222	0,687	0,532	0,363	0,375	140,048	19,564	30,151	-12,714	32,077	20,323	20,397	20,667	19,986	80,799	62,172	74,712
12,500	0,223	0,680	0,532	0,364	0,373	140,057	19,568	25,107	-6,141	30,004	20,332	20,400	20,653	19,983	81,523	62,096	74,599
12,667	0,224	0,690	0,531	0,366	0,384	140,101	19,574	27,188	-8,409	3,875	20,344	20,399	20,682	19,985	81,570	62,056	74,651
12,833	0,220	0,719	0,531	0,359	0,375	140,145	19,583	28,696	-4,482	30,056	20,335	20,395	20,667	19,986	81,496	62,047	74,715
13,000	0,220	0,709	0,531	0,372	0,379	140,232	19,592	25,393	-4,830	16,417	20,337	20,396	20,673	19,981	81,304	62,156	74,866
13,167	0,224	0,692	0,531	0,364	0,373	140,176	19,572	26,360	-3,937	19,650	20,320	20,400	20,671	19,983	81,228	62,141	74,757
13,333	0,229	0,677	0,531	0,366	0,381	140,169	19,559	26,131	-4,348	17,853	20,329	20,396	20,661	19,983	81,404	62,137	74,755
13,500	0,225	0,688	0,531	0,371	0,376	140,224	19,598	29,695	-4,822	9,635	20,333	20,392	20,654	19,983	81,267	62,115	74,738
13,667	0,221	0,703	0,531	0,363	0,385	140,249	19,606	32,942	-6,306	17,357	20,337	20,405	20,664	19,985	81,043	62,098	74,730
13,833	0,221	0,696	0,530	0,364	0,389	140,296	19,627	35,694	-12,530	21,230	20,340	20,409	20,673	19,989	81,199	62,121	74,734
14,000	0,222	0,700	0,531	0,371	0,373	140,213	19,628	33,690	-22,079	30,744	20,332	20,402	20,665	19,983	81,294	62,123	74,735
14,167	0,225	0,703	0,530	0,379	0,369	140,184	19,641	29,268	-26,563	18,438	20,325	20,402	20,675	19,985	81,486	62,072	74,728
14,333	0,221	0,705	0,530	0,375	0,373	140,200	19,641	27,402	-28,006	30,594	20,332	20,401	20,665	19,987	81,150	62,071	74,720
14,500	0,223	0,684	0,530	0,369	0,383	140,266	19,638	23,761	-28,362	21,818	20,335	20,397	20,671	19,987	81,363	62,067	74,685
14,667	0,223	0,695	0,530	0,363	0,373	140,322	19,629	26,115	-29,336	7,127	20,335	20,384	20,670	19,986	81,370	62,074	74,709
14,833	0,229	0,691	0,530	0,381	0,377	140,253	19,619	26,836	-29,539	26,836	20,337	20,400	20,657	19,987	81,366	62,045	74,750
15,000	0,222	0,713	0,530	0,362	0,361	140,195	19,655	22,762	-28,169	22,280	20,336	20,404	20,664	19,989	81,099	62,051	74,681
15,167	0,223	0,717	0,530	0,364	0,373	140,216	19,649	27,278	-20,307	4,761	20,344	20,409	20,670	19,991	81,447	62,074	74,634
15,333	0,225	0,703	0,530	0,368	0,374	140,221	19,631	28,564	-15,197	29,560	20,337	20,409	20,671	19,989	81,307	62,056	74,723
15,500	0,225	0,687	0,530	0,379	0,379	140,221	19,604	21,721	-12,825	25,846	20,341	20,409	20,656	19,990	81,509	62,083	74,755
15,667	0,226	0,685	0,530	0,380	0,389	140,170	19,608	21,164	-11,972	17,310	20,342	20,406	20,662	19,990	81,150	62,064	74,701
15,833	0,223	0,680	0,529	0,368	0,372	140,260	19,603	22,584	-11,524	20,405	20,333	20,383	20,670	19,991	81,313	62,048	74,654
16,000	0,223	0,700	0,529	0,376	0,374	140,364	19,648	22,532	-10,527	19,440	20,348	20,397	20,669	19,995	81,222	62,070	74,699
16,167	0,224	0,694	0,529	0,375	0,376	140,255	19,636	26,044	-12,292	5,239	20,326	20,403	20,677	19,997	81,335	62,012	74,617
16,333	0,226	0,687	0,529	0,361	0,377	140,151	19,667	28,245	-11,546	27,698	20,344	20,418	20,669	19,995	81,199	61,996	74,646
16,500	0,221	0,689	0,529	0,363	0,370	140,157	19,672	27,812	-16,579	7,694	20,337	20,400	20,664	19,995	81,192	61,990	74,590
16,667	0,226	0,686	0,529	0,369	0,374	140,127	19,697	31,672	-18,840	17,028	20,333	20,416	20,661	19,997	81,177	61,990	74,646
16,834	0,225	0,683	0,529	0,378	0,376	140,060	19,692	28,261	-21,822	38,823	20,353	20,401	20,669	19,997	81,525	61,974	74,653
17,000	0,225	0,658	0,529	0,364	0,373	140,035	19,705	26,322	-15,012	18,203	20,344	20,404	20,674	19,999	81,028	62,014	74,697
17,167	0,229	0,658	0,529	0,368	0,369	140,017	19,726	23,472	-12,191	26,688	20,336	20,409	20,668	19,998	81,135	62,009	74,603
17,334	0,227	0,656	0,528	0,366	0,372	140,016	19,706	23,883	-11,706	13,350	20,347	20,401	20,683	19,997	80,872	61,973	74,588
17,500	0,226	0,666	0,528	0,373	0,383	140,061	19,754	22,261	-10,528	22,438	20,339	20,412	20,681	19,999	80,945	61,994	74,588
17,667	0,225	0,692	0,528	0,366	0,368	140,168	19,759	24,010	-12,840	9,998	20,350	20,416	20,669	19,999	80,965	61,957	74,486
17,834	0,225	0,703	0,528	0,374	0,378	140,122	19,765	26,357	-11,219	21,478	20,343	20,407	20,669	20,006	81,234	61,924	74,443

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
11,834	55,629	1,610	1,614	35441,788	35125,679	142,532	12,127	512,352	15,181	15,176	5,029	2017-09-13 12:00
12,000	55,640	1,619	1,614	35405,576	35647,864	142,421	11,804	512,259	15,027	15,296	5,049	2017-09-13 12:00
12,167	55,568	1,614	1,614	35581,259	35393,249	140,885	12,248	512,258	15,187	15,228	5,038	2017-09-13 12:00
12,334	55,508	1,614	1,615	35533,455	34363,943	142,769	12,167	512,258	14,522	15,005	5,001	2017-09-13 12:00
12,500	55,508	1,614	1,615	35319,691	35833,745	153,261	11,994	512,258	14,542	14,924	4,987	2017-09-13 12:00
12,667	55,524	1,612	1,616	35423,947	35950,363	159,328	12,255	512,121	14,640	15,378	5,063	2017-09-13 12:01
12,833	55,528	1,612	1,615	35497,413	35832,710	130,618	12,982	512,121	14,361	14,997	4,999	2017-09-13 12:01
13,000	55,526	1,620	1,614	35778,902	35456,863	130,834	12,726	512,121	14,896	15,177	5,029	2017-09-13 12:01
13,167	55,542	1,616	1,613	35519,233	35245,677	157,045	12,305	512,121	14,575	14,907	4,985	2017-09-13 12:01
13,333	55,545	1,615	1,615	35539,998	35558,038	189,531	11,920	512,027	14,647	15,227	5,038	2017-09-13 12:01
13,500	55,545	1,611	1,615	35511,075	35268,773	165,269	12,203	512,121	14,853	15,048	5,008	2017-09-13 12:01
13,667	55,549	1,610	1,613	35454,570	34871,028	139,207	12,584	512,027	14,524	15,401	5,066	2017-09-13 12:02
13,833	55,537	1,618	1,613	35481,767	35279,871	141,497	12,397	511,933	14,554	15,547	5,090	2017-09-13 12:02
14,000	55,502	1,614	1,613	35552,730	35369,641	145,920	12,493	512,027	14,855	14,916	4,986	2017-09-13 12:02
14,167	55,482	1,611	1,613	35575,518	35750,008	162,802	12,575	511,933	15,180	14,752	4,959	2017-09-13 12:02
14,333	55,473	1,614	1,614	35593,283	35199,511	138,380	12,615	511,933	14,989	14,908	4,985	2017-09-13 12:02
14,500	55,471	1,615	1,614	35532,853	35610,208	153,689	12,093	511,933	14,747	15,332	5,055	2017-09-13 12:02
14,667	55,471	1,614	1,612	35539,652	35593,026	153,717	12,369	511,933	14,518	14,930	4,988	2017-09-13 12:03
14,833	55,471	1,614	1,614	35657,125	35648,499	192,064	12,282	511,933	15,250	15,074	5,012	2017-09-13 12:03
15,000	55,465	1,614	1,614	35543,980	35142,310	146,347	12,817	511,840	14,475	14,442	4,906	2017-09-13 12:03
15,167	55,486	1,617	1,613	35401,261	35808,831	151,795	12,930	511,840	14,573	14,914	4,986	2017-09-13 12:03
15,333	55,474	1,616	1,615	35615,978	35552,541	162,271	12,572	511,840	14,718	14,958	4,993	2017-09-13 12:03
15,500	55,477	1,614	1,615	35667,482	35833,841	161,201	12,170	511,840	15,179	15,153	5,025	2017-09-13 12:03
15,667	55,470	1,610	1,613	35547,959	35118,024	171,978	12,114	511,810	15,198	15,552	5,091	2017-09-13 12:04
15,833	55,450	1,611	1,613	35501,439	35478,409	152,421	11,992	511,745	14,704	14,892	4,982	2017-09-13 12:04
16,000	55,427	1,613	1,614	35653,444	35299,192	150,767	12,499	511,745	15,036	14,947	4,991	2017-09-13 12:04
16,167	55,429	1,611	1,613	35471,084	35585,774	160,179	12,362	511,745	14,985	15,059	5,010	2017-09-13 12:04
16,333	55,419	1,610	1,616	35605,537	35326,883	167,517	12,164	511,745	14,446	15,063	5,010	2017-09-13 12:04
16,500	55,433	1,613	1,615	35447,390	35394,676	141,733	12,236	511,745	14,518	14,788	4,964	2017-09-13 12:04
16,667	55,431	1,610	1,613	35517,263	35299,484	172,468	12,144	511,652	14,758	14,956	4,993	2017-09-13 12:05
16,834	55,421	1,610	1,615	35585,806	35990,461	163,358	12,085	511,652	15,117	15,021	5,004	2017-09-13 12:05
17,000	55,426	1,613	1,616	35688,238	35060,077	162,271	11,442	511,652	14,554	14,915	4,986	2017-09-13 12:05
17,167	55,426	1,610	1,613	35447,864	35190,373	187,231	11,450	511,652	14,703	14,769	4,961	2017-09-13 12:05
17,334	55,431	1,610	1,613	35412,478	34772,114	173,660	11,391	511,558	14,626	14,877	4,979	2017-09-13 12:05
17,500	55,411	1,611	1,612	35414,580	34892,367	168,952	11,644	511,558	14,921	15,325	5,054	2017-09-13 12:05
17,667	55,403	1,613	1,616	35341,305	35037,109	162,264	12,311	511,558	14,639	14,723	4,954	2017-09-13 12:06
17,834	55,398	1,611	1,613	35210,092	35564,208	161,850	12,566	511,558	14,942	15,105	5,017	2017-09-13 12:06

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
18,000	0,225	0,691	0,528	0,361	0,376	140,134	19,739	24,014	-12,452	19,044	20,343	20,415	20,665	20,002	81,077	61,923	74,522
18,167	0,223	0,694	0,528	0,371	0,372	140,214	19,725	22,079	-10,351	26,942	20,337	20,411	20,672	19,999	81,282	61,998	74,515
18,334	0,222	0,693	0,528	0,381	0,376	140,260	19,729	22,987	-12,754	12,893	20,345	20,419	20,672	20,006	80,938	61,948	74,481
18,500	0,225	0,669	0,527	0,376	0,372	140,268	19,729	21,026	-10,852	19,784	20,358	20,391	20,681	20,005	80,850	61,912	74,395
18,667	0,223	0,671	0,528	0,362	0,381	140,176	19,755	19,569	-12,440	18,467	20,348	20,411	20,671	20,009	81,165	61,939	74,435
18,834	0,231	0,667	0,527	0,366	0,379	140,169	19,751	19,616	-9,904	22,409	20,355	20,409	20,677	20,005	80,900	61,939	74,477
19,000	0,230	0,672	0,527	0,375	0,380	140,209	19,765	18,261	-10,562	18,704	20,355	20,406	20,686	20,009	80,848	61,919	74,457
19,167	0,222	0,685	0,527	0,367	0,371	140,160	19,778	18,503	-13,194	18,552	20,332	20,394	20,668	20,005	80,960	61,965	74,439
19,334	0,226	0,685	0,527	0,369	0,372	140,198	19,760	23,869	-15,061	2,632	20,357	20,413	20,688	20,010	80,889	61,958	74,427
19,500	0,226	0,670	0,527	0,373	0,375	140,130	19,728	25,736	-14,110	20,543	20,343	20,415	20,671	20,007	80,883	61,923	74,382
19,667	0,223	0,687	0,527	0,376	0,378	140,009	19,731	21,824	-13,306	25,332	20,351	20,418	20,663	20,005	80,675	61,891	74,373
19,833	0,226	0,687	0,527	0,379	0,370	140,200	19,721	20,105	-13,498	21,544	20,353	20,412	20,681	20,007	80,623	61,943	74,358
20,000	0,222	0,696	0,527	0,375	0,386	140,186	19,751	20,149	-14,283	16,104	20,349	20,395	20,668	20,007	80,665	61,909	74,360
20,167	0,229	0,715	0,527	0,364	0,380	140,203	19,762	20,407	-15,857	6,322	20,343	20,403	20,681	20,010	80,825	61,903	74,328
20,333	0,220	0,712	0,526	0,363	0,368	140,233	19,776	24,504	-15,609	14,540	20,355	20,407	20,684	20,010	80,811	61,895	74,353
20,500	0,226	0,711	0,526	0,372	0,365	140,299	19,775	23,279	-15,308	24,658	20,353	20,416	20,668	20,007	80,912	61,896	74,365
20,667	0,228	0,728	0,526	0,349	0,365	140,359	19,773	19,083	-15,711	20,549	20,352	20,420	20,671	20,011	81,195	61,922	74,387
20,833	0,222	0,742	0,526	0,382	0,376	140,434	19,772	24,824	-19,448	1,749	20,357	20,413	20,672	20,010	81,037	61,911	74,493
21,000	0,224	0,737	0,526	0,378	0,372	140,431	19,758	29,225	-21,330	16,953	20,347	20,415	20,680	20,011	81,161	61,947	74,532
21,167	0,221	0,717	0,526	0,366	0,372	140,367	19,750	24,982	-20,047	32,618	20,349	20,413	20,677	20,013	81,219	61,951	74,532
21,333	0,221	0,700	0,526	0,368	0,368	140,394	19,754	26,933	-21,717	7,045	20,356	20,410	20,684	20,013	81,154	61,948	74,536
21,500	0,228	0,689	0,525	0,366	0,385	140,407	19,762	27,465	-21,515	33,258	20,355	20,413	20,681	20,014	81,022	61,957	74,538
21,667	0,227	0,686	0,525	0,365	0,380	140,547	19,758	20,813	-23,317	21,646	20,364	20,433	20,675	20,016	81,293	61,959	74,530
21,833	0,221	0,690	0,525	0,364	0,377	140,528	19,763	25,873	-25,159	3,641	20,356	20,428	20,679	20,015	81,055	61,959	74,595
22,000	0,225	0,691	0,525	0,374	0,374	140,491	19,747	29,661	-24,935	22,841	20,359	20,424	20,688	20,015	81,158	61,955	74,561
22,167	0,233	0,662	0,525	0,366	0,370	140,445	19,741	23,994	-27,649	27,517	20,367	20,421	20,679	20,018	81,138	61,970	74,599
22,333	0,228	0,669	0,525	0,365	0,372	140,460	19,830	22,829	-38,313	17,868	20,361	20,423	20,685	20,018	81,204	61,958	74,569
22,500	0,224	0,676	0,525	0,362	0,365	140,507	19,792	23,817	-43,846	18,360	20,357	20,425	20,694	20,022	81,093	61,959	74,615
22,667	0,223	0,679	0,525	0,374	0,383	140,481	19,804	25,717	-48,642	12,830	20,352	20,419	20,677	20,020	80,868	61,955	74,551
22,833	0,223	0,690	0,525	0,373	0,374	140,554	19,804	29,847	-47,967	12,484	20,356	20,433	20,688	20,022	80,723	61,943	74,486
23,000	0,224	0,683	0,525	0,374	0,363	140,315	19,830	28,933	-48,259	28,318	20,357	20,418	20,687	20,024	80,862	61,899	74,318
23,167	0,227	0,675	0,525	0,368	0,371	140,260	19,809	22,932	-45,246	25,614	20,350	20,421	20,681	20,023	80,947	61,854	74,362
23,333	0,223	0,667	0,525	0,360	0,386	140,154	19,809	23,938	-43,250	20,480	20,368	20,429	20,701	20,026	80,984	61,872	74,362
23,500	0,223	0,684	0,524	0,358	0,379	140,207	19,808	26,320	-57,231	7,078	20,364	20,418	20,700	20,024	80,954	61,895	74,296
23,667	0,224	0,668	0,525	0,377	0,375	140,098	19,788	30,162	-67,449	24,263	20,348	20,423	20,689	20,023	80,714	61,892	74,408
23,834	0,223	0,686	0,523	0,381	0,382	140,192	19,788	26,968	-64,259	26,632	20,358	20,423	20,672	20,028	80,439	61,888	74,381
24,000	0,225	0,696	0,524	0,365	0,371	140,246	19,818	22,088	-56,497	24,455	20,356	20,427	20,685	20,028	80,926	61,860	74,243

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
18,000	55,415	1,616	1,614	35345,330	35371,256	164,526	12,284	511,558	14,432	15,055	5,009	2017-09-13 12:06
18,167	55,430	1,619	1,616	35343,304	35677,825	150,075	12,339	511,465	14,841	14,895	4,983	2017-09-13 12:06
18,334	55,431	1,613	1,616	35280,127	35004,963	145,291	12,313	511,465	15,230	15,036	5,006	2017-09-13 12:06
18,500	55,429	1,612	1,614	35086,459	34903,827	162,889	11,720	511,323	15,054	14,872	4,979	2017-09-13 12:06
18,667	55,427	1,615	1,615	35170,305	35479,993	148,856	11,767	511,465	14,492	15,224	5,037	2017-09-13 12:07
18,834	55,429	1,613	1,615	35244,622	34950,044	199,267	11,669	511,323	14,625	15,146	5,024	2017-09-13 12:07
19,000	55,434	1,611	1,613	35167,686	34844,536	194,663	11,807	511,323	15,002	15,206	5,034	2017-09-13 12:07
19,167	55,437	1,618	1,615	35156,826	35119,106	147,622	12,117	511,329	14,679	14,821	4,970	2017-09-13 12:07
19,334	55,434	1,613	1,615	35143,419	34892,423	171,718	12,130	511,323	14,777	14,894	4,982	2017-09-13 12:07
19,500	55,417	1,611	1,615	35089,981	34917,779	171,690	11,752	511,323	14,920	15,018	5,003	2017-09-13 12:07
19,667	55,415	1,612	1,613	35042,723	34619,906	153,904	12,183	511,323	15,046	15,117	5,020	2017-09-13 12:08
19,833	55,410	1,619	1,615	35056,649	34560,434	172,041	12,186	511,229	15,160	14,792	4,965	2017-09-13 12:08
20,000	55,409	1,611	1,613	35030,970	34540,516	142,991	12,408	511,229	15,006	15,433	5,072	2017-09-13 12:08
20,167	55,406	1,610	1,615	35011,839	34812,747	189,153	12,877	511,229	14,579	15,192	5,032	2017-09-13 12:08
20,333	55,407	1,613	1,612	34990,945	34870,277	134,597	12,793	511,135	14,525	14,722	4,953	2017-09-13 12:08
20,500	55,410	1,613	1,614	35055,491	35051,174	172,347	12,776	511,136	14,895	14,595	4,932	2017-09-13 12:08
20,667	55,409	1,613	1,614	35093,898	35523,229	185,351	13,207	511,092	13,976	14,614	4,935	2017-09-13 12:09
20,833	55,398	1,617	1,615	35337,048	35356,107	147,539	13,540	511,042	15,270	15,028	5,005	2017-09-13 12:09
21,000	55,399	1,613	1,614	35396,764	35414,743	154,881	13,432	511,041	15,135	14,879	4,980	2017-09-13 12:09
21,167	55,405	1,613	1,617	35454,342	35515,779	141,938	12,921	511,042	14,659	14,890	4,982	2017-09-13 12:09
21,333	55,398	1,613	1,616	35446,136	35403,294	140,903	12,498	511,041	14,706	14,727	4,954	2017-09-13 12:09
21,500	55,390	1,613	1,615	35427,000	35140,444	182,228	12,224	510,948	14,632	15,403	5,067	2017-09-13 12:09
21,667	55,387	1,613	1,615	35421,873	35638,691	174,431	12,138	510,948	14,615	15,183	5,030	2017-09-13 12:10
21,833	55,383	1,614	1,613	35519,663	35234,045	138,363	12,258	510,947	14,561	15,071	5,012	2017-09-13 12:10
22,000	55,374	1,615	1,614	35495,367	35451,489	163,108	12,275	510,948	14,976	14,975	4,996	2017-09-13 12:10
22,167	55,376	1,615	1,616	35604,226	35387,288	214,280	11,560	510,947	14,635	14,802	4,967	2017-09-13 12:10
22,333	55,386	1,609	1,615	35492,082	35398,628	182,631	11,722	510,948	14,585	14,878	4,980	2017-09-13 12:10
22,500	55,386	1,611	1,611	35489,166	35238,767	156,444	11,901	510,854	14,477	14,583	4,930	2017-09-13 12:10
22,667	55,375	1,610	1,614	35472,575	34809,612	148,891	11,976	510,854	14,975	15,322	5,053	2017-09-13 12:11
22,833	55,372	1,612	1,614	35342,325	34598,835	148,897	12,250	510,854	14,932	14,955	4,992	2017-09-13 12:11
23,000	55,378	1,610	1,617	35099,678	34890,731	155,791	12,069	510,854	14,976	14,502	4,916	2017-09-13 12:11
23,167	55,383	1,612	1,617	35178,484	35180,143	175,501	11,875	510,854	14,733	14,838	4,973	2017-09-13 12:11
23,333	55,375	1,614	1,616	35160,609	35261,956	152,851	11,664	510,854	14,413	15,433	5,072	2017-09-13 12:11
23,500	55,383	1,621	1,617	35039,945	35322,150	149,916	12,098	510,761	14,339	15,158	5,026	2017-09-13 12:11
23,667	55,388	1,612	1,618	35273,653	34686,522	160,808	11,690	510,854	15,070	14,987	4,998	2017-09-13 12:12
23,834	55,388	1,613	1,619	35240,509	34190,189	151,795	12,143	510,621	15,246	15,291	5,048	2017-09-13 12:12
24,000	55,494	1,611	1,618	34763,589	35110,148	161,006	12,407	510,761	14,613	14,851	4,975	2017-09-13 12:12

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
24,167	0,227	0,718	0,523	0,362	0,374	140,286	19,821	22,238	-54,348	12,681	20,367	20,432	20,696	20,031	80,757	61,907	74,324
24,334	0,224	0,696	0,523	0,364	0,364	140,384	19,792	22,016	-58,727	10,252	20,372	20,432	20,694	20,031	81,165	61,970	74,355
24,500	0,223	0,699	0,523	0,380	0,382	140,366	19,801	22,688	-57,716	18,949	20,368	20,437	20,697	20,031	80,849	61,975	74,404
24,667	0,221	0,715	0,523	0,374	0,377	140,311	19,758	19,695	-60,793	24,681	20,376	20,433	20,688	20,031	80,897	62,021	74,420
24,834	0,228	0,721	0,523	0,360	0,379	140,305	19,775	21,964	-62,912	12,006	20,364	20,440	20,689	20,030	80,825	62,012	74,393
25,000	0,224	0,710	0,523	0,377	0,376	140,331	19,788	24,478	-61,696	13,986	20,358	20,433	20,698	20,030	80,849	62,010	74,399
25,167	0,227	0,686	0,523	0,376	0,372	140,342	19,782	26,210	-63,419	8,583	20,372	20,422	20,698	20,032	81,015	62,013	74,408
25,334	0,226	0,668	0,523	0,362	0,370	140,254	19,797	26,546	-61,494	35,087	20,359	20,437	20,688	20,032	80,931	61,978	74,451
25,500	0,226	0,667	0,523	0,361	0,377	140,206	19,787	24,537	-67,791	11,768	20,384	20,436	20,688	20,035	81,104	62,057	74,508
25,667	0,224	0,680	0,522	0,372	0,372	140,224	19,814	28,954	-63,748	17,396	20,363	20,443	20,709	20,036	81,069	62,013	74,412
25,834	0,220	0,732	0,522	0,361	0,374	140,325	19,801	30,637	-66,374	15,127	20,371	20,435	20,689	20,035	80,970	61,962	74,442
26,000	0,221	0,749	0,522	0,374	0,377	140,274	19,827	32,915	-66,823	20,085	20,371	20,435	20,689	20,036	81,251	62,037	74,519
26,167	0,220	0,717	0,522	0,368	0,372	140,315	19,813	28,728	-65,269	34,799	20,364	20,439	20,697	20,039	81,062	62,057	74,559
26,333	0,216	0,703	0,522	0,374	0,366	140,285	19,808	22,599	-63,951	22,282	20,371	20,444	20,692	20,036	81,020	62,096	74,580
26,500	0,219	0,699	0,522	0,378	0,379	140,362	19,784	20,262	-61,219	20,003	20,372	20,445	20,695	20,039	81,174	62,084	74,508
26,667	0,220	0,685	0,522	0,371	0,374	140,272	19,754	18,838	-59,995	19,096	20,384	20,447	20,693	20,040	81,182	62,110	74,604
26,833	0,223	0,682	0,522	0,372	0,377	140,223	19,781	20,632	-58,318	17,458	20,376	20,447	20,707	20,047	81,200	62,095	74,620
27,000	0,224	0,666	0,521	0,366	0,373	140,330	19,804	24,209	-57,738	8,134	20,371	20,448	20,705	20,048	81,132	62,170	74,663
27,167	0,224	0,683	0,521	0,361	0,369	140,396	19,784	27,219	-60,770	14,525	20,373	20,439	20,700	20,040	81,131	62,160	74,634
27,333	0,226	0,704	0,521	0,369	0,377	140,537	19,792	24,567	-68,725	29,218	20,376	20,449	20,704	20,042	80,983	62,121	74,613
27,500	0,223	0,679	0,521	0,370	0,383	140,517	19,794	25,194	-61,488	4,323	20,380	20,438	20,700	20,043	81,103	62,123	74,530
27,667	0,220	0,700	0,521	0,383	0,374	140,544	19,769	28,009	-67,795	28,015	20,362	20,445	20,697	20,040	81,010	62,079	74,549
27,833	0,222	0,704	0,521	0,366	0,380	140,553	19,761	21,773	-72,441	24,461	20,376	20,454	20,699	20,042	81,050	62,104	74,549
28,000	0,225	0,688	0,521	0,364	0,371	140,311	19,767	24,897	-78,234	6,615	20,372	20,447	20,704	20,043	81,357	62,115	74,554
28,167	0,227	0,661	0,521	0,374	0,381	140,380	19,787	27,576	-72,421	22,159	20,374	20,444	20,704	20,043	81,188	62,098	74,588
28,333	0,223	0,669	0,521	0,379	0,381	140,487	19,801	24,317	-75,054	15,291	20,387	20,438	20,691	20,046	81,254	62,187	74,603
28,500	0,222	0,707	0,520	0,369	0,383	140,540	19,821	23,584	-72,932	17,869	20,376	20,438	20,703	20,043	81,073	62,111	74,569
28,667	0,224	0,726	0,520	0,380	0,377	140,479	19,820	21,064	-68,636	21,779	20,371	20,436	20,691	20,043	81,146	62,113	74,582
28,833	0,220	0,707	0,520	0,375	0,372	140,392	19,817	18,789	-64,618	21,069	20,368	20,444	20,700	20,048	81,224	62,079	74,519
29,000	0,223	0,692	0,520	0,365	0,375	140,491	19,819	23,875	-74,053	5,932	20,379	20,447	20,705	20,052	81,293	62,078	74,647
29,167	0,223	0,706	0,520	0,376	0,369	140,534	19,770	29,413	-71,211	14,943	20,371	20,448	20,696	20,050	81,123	62,121	74,654
29,333	0,216	0,738	0,520	0,368	0,369	140,665	19,815	27,040	-69,080	30,855	20,380	20,452	20,709	20,055	81,282	62,115	74,703
29,500	0,221	0,735	0,520	0,378	0,375	140,853	19,817	26,615	-65,681	8,558	20,382	20,457	20,708	20,051	81,446	62,104	74,678
29,667	0,222	0,715	0,519	0,365	0,371	140,732	19,843	28,309	-67,884	29,097	20,396	20,446	20,708	20,055	81,596	62,130	74,728
29,833	0,220	0,691	0,520	0,366	0,377	140,679	19,836	26,755	-64,226	8,359	20,408	20,461	20,721	20,066	81,228	62,172	74,811
30,000	0,229	0,668	0,519	0,363	0,371	140,543	19,833	30,970	-59,874	24,295	20,387	20,451	20,704	20,055	81,282	62,173	74,749
30,167	0,227	0,654	0,519	0,384	0,374	140,496	19,810	26,399	-54,886	29,314	20,383	20,456	20,717	20,056	81,404	62,150	74,740

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
24,167	55,561	1,613	1,619	34800,447	34746,724	174,640	12,959	510,621	14,490	14,949	4,991	2017-09-13 12:12
24,334	55,576	1,611	1,617	34805,480	35347,237	158,921	12,394	510,621	14,548	14,553	4,925	2017-09-13 12:12
24,500	55,577	1,607	1,616	34866,838	34661,091	152,431	12,479	510,621	15,206	15,281	5,047	2017-09-13 12:12
24,667	55,583	1,612	1,616	34880,700	34788,449	140,680	12,867	510,527	14,956	15,084	5,014	2017-09-13 12:13
24,834	55,583	1,610	1,616	34831,964	34610,507	183,065	13,024	510,527	14,397	15,153	5,025	2017-09-13 12:13
25,000	55,550	1,611	1,618	34935,367	34686,460	156,441	12,745	510,527	15,083	15,031	5,005	2017-09-13 12:13
25,167	55,540	1,612	1,619	35004,833	35000,178	173,604	12,158	510,527	15,058	14,891	4,982	2017-09-13 12:13
25,334	55,536	1,615	1,616	35027,219	34986,808	169,633	11,690	510,527	14,498	14,793	4,965	2017-09-13 12:13
25,500	55,522	1,620	1,616	35162,309	35271,932	171,607	11,668	510,527	14,456	15,096	5,016	2017-09-13 12:13
25,667	55,526	1,612	1,617	35003,377	35101,151	155,794	11,989	510,434	14,892	14,870	4,978	2017-09-13 12:14
25,834	55,561	1,611	1,616	34968,312	34992,460	129,975	13,303	510,433	14,426	14,976	4,996	2017-09-13 12:14
26,000	55,597	1,614	1,615	35005,999	35446,551	140,267	13,730	510,433	14,960	15,070	5,012	2017-09-13 12:14
26,167	55,608	1,610	1,616	35091,145	34980,812	131,598	12,927	510,433	14,706	14,884	4,981	2017-09-13 12:14
26,333	55,615	1,611	1,618	35153,869	34846,659	107,989	12,586	510,340	14,975	14,641	4,940	2017-09-13 12:14
26,500	55,635	1,610	1,616	34947,295	35118,639	129,291	12,464	510,340	15,131	15,179	5,030	2017-09-13 12:14
26,667	55,627	1,610	1,616	35146,385	35089,610	135,048	12,134	510,340	14,836	14,977	4,996	2017-09-13 12:15
26,833	55,629	1,610	1,619	35226,825	35152,670	152,400	12,043	510,340	14,861	15,095	5,016	2017-09-13 12:15
27,000	55,617	1,622	1,616	35267,882	35143,197	159,984	11,661	510,245	14,659	14,908	4,985	2017-09-13 12:15
27,167	55,608	1,614	1,616	35237,898	34997,471	160,829	12,085	510,245	14,454	14,748	4,958	2017-09-13 12:15
27,333	55,624	1,611	1,614	35127,046	34731,114	170,453	12,589	510,245	14,755	15,081	5,014	2017-09-13 12:15
27,500	55,619	1,614	1,616	35013,255	35013,151	151,163	11,969	510,245	14,784	15,305	5,051	2017-09-13 12:15
27,667	55,628	1,611	1,616	35035,716	34860,565	134,631	12,496	510,152	15,338	14,967	4,994	2017-09-13 12:16
27,833	55,652	1,614	1,616	34994,002	34950,966	146,570	12,599	510,152	14,627	15,191	5,032	2017-09-13 12:16
28,000	55,663	1,611	1,615	34949,374	35434,443	164,421	12,195	510,152	14,541	14,830	4,972	2017-09-13 12:16
28,167	55,655	1,613	1,616	35057,541	35201,826	177,183	11,534	510,153	14,949	15,242	5,040	2017-09-13 12:16
28,333	55,609	1,618	1,615	35138,681	35256,749	151,618	11,731	510,152	15,149	15,251	5,042	2017-09-13 12:16
28,500	55,599	1,611	1,615	35100,943	34918,955	144,898	12,687	510,059	14,741	15,332	5,055	2017-09-13 12:16
28,667	55,588	1,611	1,614	35136,987	35044,764	159,568	13,147	510,059	15,181	15,096	5,016	2017-09-13 12:17
28,833	55,588	1,613	1,616	35054,884	35288,010	133,992	12,678	510,059	14,994	14,887	4,981	2017-09-13 12:17
29,000	55,596	1,611	1,615	35249,744	35387,409	149,485	12,295	510,059	14,619	14,981	4,997	2017-09-13 12:17
29,167	55,588	1,609	1,614	35253,076	34953,953	153,463	12,641	509,966	15,040	14,743	4,957	2017-09-13 12:17
29,333	55,593	1,608	1,615	35362,891	35217,879	110,258	13,456	509,978	14,704	14,749	4,958	2017-09-13 12:17
29,500	55,599	1,609	1,615	35316,648	35559,505	136,925	13,384	509,966	15,127	15,007	5,001	2017-09-13 12:17
29,667	55,603	1,615	1,616	35408,723	35920,905	144,891	12,869	509,824	14,605	14,841	4,973	2017-09-13 12:18
29,833	55,607	1,614	1,614	35518,781	35150,512	130,403	12,264	509,966	14,624	15,075	5,012	2017-09-13 12:18
30,000	55,599	1,613	1,614	35408,179	35218,703	189,267	11,690	509,824	14,503	14,838	4,973	2017-09-13 12:18
30,167	55,587	1,610	1,613	35402,685	35422,996	176,822	11,353	509,824	15,355	14,950	4,992	2017-09-13 12:18

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
30,334	0,222	0,662	0,519	0,373	0,392	140,541	19,812	27,536	-55,669	13,033	20,399	20,439	20,695	20,059	81,018	62,143	74,739
30,500	0,224	0,669	0,519	0,368	0,372	140,558	19,834	28,084	-57,257	20,584	20,392	20,470	20,708	20,058	80,966	62,146	74,678
30,667	0,223	0,690	0,519	0,373	0,373	140,652	19,836	27,627	-58,721	11,729	20,382	20,465	20,726	20,062	81,381	62,082	74,604
30,834	0,227	0,731	0,519	0,365	0,383	140,761	19,815	31,422	-58,798	17,265	20,392	20,477	20,716	20,063	81,392	62,084	74,624
31,000	0,236	0,756	0,519	0,372	0,361	140,813	19,799	32,897	-56,756	17,919	20,399	20,455	20,711	20,062	81,797	62,067	74,631
31,167	0,224	0,743	0,518	0,375	0,363	140,789	19,803	32,480	-56,118	22,281	20,391	20,457	20,713	20,058	81,608	62,162	74,808
31,334	0,220	0,708	0,518	0,365	0,367	140,805	19,797	26,982	-54,708	31,182	20,387	20,452	20,713	20,062	81,504	62,177	74,838
31,500	0,226	0,678	0,518	0,378	0,386	140,831	19,782	25,859	-55,337	22,294	20,382	20,455	20,709	20,056	81,377	62,180	74,831
31,667	0,226	0,672	0,518	0,358	0,371	140,838	19,753	24,162	-54,412	23,297	20,374	20,438	20,716	20,058	81,629	62,143	74,800
31,834	0,222	0,690	0,518	0,376	0,381	140,892	19,761	22,060	-53,991	23,268	20,397	20,461	20,713	20,060	81,674	62,185	74,839
32,000	0,219	0,706	0,518	0,372	0,371	140,866	19,735	23,622	-57,321	13,569	20,394	20,455	20,720	20,063	81,317	62,187	74,866
32,167	0,218	0,715	0,518	0,369	0,374	141,008	19,770	22,702	-54,101	26,395	20,399	20,447	20,719	20,062	81,644	62,149	74,851
32,334	0,220	0,718	0,518	0,362	0,367	140,980	19,761	19,491	-54,475	19,943	20,383	20,451	20,723	20,062	81,342	62,102	74,854
32,500	0,221	0,705	0,518	0,376	0,376	140,958	19,786	18,688	-56,086	18,000	20,391	20,443	20,717	20,064	81,393	62,075	74,773
32,667	0,226	0,670	0,518	0,365	0,373	140,849	19,791	18,807	-54,877	16,567	20,390	20,452	20,712	20,067	81,347	62,052	74,786
32,834	0,223	0,682	0,517	0,365	0,379	140,843	19,802	22,188	-58,121	1,547	20,379	20,458	20,721	20,068	81,870	62,030	74,726
33,000	0,222	0,687	0,517	0,370	0,371	140,877	19,769	30,350	-57,725	16,641	20,398	20,464	20,712	20,070	81,458	62,024	74,827
33,167	0,222	0,684	0,517	0,371	0,384	140,770	19,765	32,923	-57,697	21,744	20,387	20,463	20,715	20,063	81,332	62,083	74,823
33,333	0,223	0,680	0,517	0,366	0,367	140,744	19,757	27,195	-55,081	30,980	20,386	20,460	20,710	20,064	81,433	62,057	74,711
33,500	0,221	0,686	0,517	0,367	0,372	140,677	19,746	21,530	-54,058	25,536	20,394	20,442	20,706	20,068	81,490	62,006	74,626
33,667	0,219	0,689	0,517	0,370	0,370	140,701	19,765	20,399	-54,460	19,538	20,394	20,455	20,703	20,064	81,335	62,005	74,703
33,833	0,219	0,700	0,517	0,384	0,375	140,879	19,704	22,304	-55,734	2,491	20,396	20,451	20,727	20,070	81,263	62,006	74,654
34,000	0,222	0,706	0,517	0,373	0,380	140,951	19,741	26,817	-55,009	13,804	20,400	20,465	20,716	20,071	81,408	61,996	74,650
34,167	0,222	0,717	0,517	0,377	0,374	141,083	19,739	27,764	-54,492	26,521	20,403	20,462	20,721	20,074	81,278	61,978	74,638
34,333	0,232	0,724	0,517	0,367	0,367	141,082	19,737	23,477	-52,031	27,384	20,392	20,456	20,723	20,070	81,606	61,978	74,735
34,500	0,222	0,721	0,516	0,366	0,379	141,126	19,743	24,744	-54,931	3,649	20,384	20,468	20,715	20,068	81,439	61,973	74,713
34,667	0,227	0,717	0,516	0,376	0,380	141,127	19,747	27,035	-51,962	29,997	20,398	20,452	20,719	20,070	81,508	62,063	74,876
34,833	0,219	0,695	0,516	0,365	0,372	141,118	19,772	22,076	-52,404	22,871	20,394	20,460	20,712	20,072	81,655	62,051	74,844
35,000	0,223	0,677	0,515	0,371	0,377	140,985	19,773	21,944	-52,071	17,500	20,404	20,443	20,716	20,072	81,359	62,036	74,831
35,167	0,224	0,674	0,515	0,374	0,363	140,939	19,728	20,419	-51,793	18,075	20,398	20,460	20,732	20,075	81,343	62,044	74,778
35,333	0,222	0,675	0,515	0,370	0,370	140,896	19,696	18,096	-50,639	17,993	20,402	20,456	20,716	20,074	81,803	62,035	74,730
35,500	0,218	0,688	0,515	0,374	0,371	140,922	19,708	19,262	-50,904	10,641	20,403	20,471	20,715	20,078	81,281	62,012	74,758
35,667	0,221	0,674	0,515	0,376	0,374	140,882	19,666	21,388	-52,865	9,269	20,399	20,472	20,733	20,074	81,095	62,017	74,686
35,833	0,222	0,671	0,515	0,371	0,379	140,805	19,701	20,204	-50,679	26,800	20,394	20,460	20,720	20,075	81,569	61,965	74,608
36,000	0,220	0,674	0,515	0,374	0,377	140,790	19,716	22,038	-52,412	5,151	20,390	20,475	20,718	20,075	81,135	61,950	74,600
36,167	0,221	0,680	0,515	0,373	0,367	140,777	19,745	25,040	-52,350	9,359	20,406	20,459	20,718	20,075	81,297	62,013	74,639
36,333	0,220	0,680	0,515	0,361	0,369	140,796	19,726	27,572	-52,252	21,441	20,400	20,462	20,732	20,076	81,240	61,948	74,577

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
30,334	55,581	1,614	1,614	35441,123	34813,152	145,534	11,560	509,824	14,918	15,680	5,112	2017-09-13 12:18
30,500	55,571	1,614	1,615	35356,172	34724,779	159,383	11,714	509,824	14,718	14,888	4,981	2017-09-13 12:18
30,667	55,567	1,610	1,613	35184,044	35504,293	149,280	12,253	509,730	14,907	14,927	4,988	2017-09-13 12:19
30,834	55,569	1,610	1,613	35219,311	35519,221	173,590	13,283	509,730	14,582	15,312	5,052	2017-09-13 12:19
31,000	55,563	1,610	1,613	35250,569	36303,137	229,675	13,892	509,730	14,869	14,459	4,909	2017-09-13 12:19
31,167	55,567	1,617	1,612	35533,842	35939,381	160,662	13,583	509,637	15,009	14,515	4,919	2017-09-13 12:19
31,334	55,568	1,617	1,613	35619,028	35716,001	133,353	12,706	509,636	14,608	14,671	4,945	2017-09-13 12:19
31,500	55,576	1,611	1,612	35558,851	35355,007	170,258	11,953	509,636	15,121	15,435	5,072	2017-09-13 12:19
31,667	55,572	1,610	1,613	35540,720	35848,557	169,431	11,800	509,637	14,326	14,859	4,976	2017-09-13 12:20
31,834	55,579	1,614	1,610	35537,655	35939,143	143,411	12,249	509,637	15,028	15,223	5,037	2017-09-13 12:20
32,000	55,500	1,610	1,609	35700,380	35192,548	127,276	12,658	509,543	14,868	14,846	4,974	2017-09-13 12:20
32,167	55,439	1,609	1,611	35830,580	35850,351	118,975	12,873	509,543	14,756	14,964	4,994	2017-09-13 12:20
32,334	55,426	1,608	1,613	35901,761	35362,201	131,421	12,951	509,543	14,474	14,660	4,943	2017-09-13 12:20
32,500	55,407	1,612	1,610	35736,402	35585,373	141,952	12,620	509,543	15,045	15,046	5,008	2017-09-13 12:20
32,667	55,406	1,612	1,611	35773,046	35544,027	170,467	11,753	509,543	14,582	14,907	4,984	2017-09-13 12:21
32,834	55,392	1,608	1,611	35687,622	36465,136	150,558	12,042	509,449	14,607	15,171	5,028	2017-09-13 12:21
33,000	55,382	1,613	1,610	35882,210	35828,740	144,989	12,179	509,449	14,792	14,857	4,976	2017-09-13 12:21
33,167	55,392	1,614	1,614	35949,496	35518,675	145,746	12,112	509,449	14,851	15,340	5,056	2017-09-13 12:21
33,333	55,403	1,615	1,614	35716,817	35775,809	148,845	12,012	509,449	14,634	14,680	4,946	2017-09-13 12:21
33,500	55,410	1,610	1,615	35561,294	35847,867	137,536	12,138	509,449	14,683	14,876	4,979	2017-09-13 12:21
33,667	55,399	1,613	1,613	35684,227	35630,087	124,156	12,236	509,449	14,798	14,808	4,968	2017-09-13 12:22
33,833	55,376	1,608	1,611	35597,687	35393,801	124,983	12,505	509,355	15,378	15,005	5,001	2017-09-13 12:22
34,000	55,351	1,611	1,611	35620,313	35753,008	148,237	12,641	509,356	14,925	15,191	5,032	2017-09-13 12:22
34,167	55,380	1,606	1,611	35558,838	35436,865	143,912	12,937	509,355	15,095	14,979	4,996	2017-09-13 12:22
34,333	55,395	1,607	1,613	35755,253	36054,986	209,242	13,090	509,355	14,675	14,665	4,944	2017-09-13 12:22
34,500	55,391	1,608	1,610	35655,087	35783,451	142,529	13,031	509,262	14,648	15,140	5,023	2017-09-13 12:22
34,667	55,383	1,620	1,611	35996,355	36000,252	173,747	12,922	509,262	15,049	15,210	5,035	2017-09-13 12:23
34,833	55,378	1,611	1,610	35921,540	36103,603	126,452	12,374	509,262	14,606	14,887	4,981	2017-09-13 12:23
35,000	55,383	1,610	1,610	35888,648	35567,043	149,075	11,920	509,117	14,834	15,074	5,012	2017-09-13 12:23
35,167	55,383	1,608	1,610	35782,906	35470,610	158,289	11,859	509,117	14,962	14,502	4,916	2017-09-13 12:23
35,333	55,387	1,615	1,615	35792,365	36495,231	145,288	11,887	509,117	14,788	14,819	4,970	2017-09-13 12:23
35,500	55,376	1,610	1,612	35811,052	35460,910	121,918	12,208	509,117	14,958	14,831	4,972	2017-09-13 12:23
35,667	55,358	1,609	1,614	35751,914	35086,824	138,804	11,860	509,117	15,050	14,956	4,993	2017-09-13 12:24
35,833	55,352	1,610	1,613	35596,572	36067,456	147,403	11,787	509,117	14,854	15,173	5,029	2017-09-13 12:24
36,000	55,351	1,618	1,612	35565,966	35471,714	135,872	11,862	509,024	14,956	15,066	5,011	2017-09-13 12:24
36,167	55,354	1,619	1,614	35667,667	35679,076	139,169	12,007	509,023	14,904	14,673	4,945	2017-09-13 12:24
36,333	55,352	1,609	1,611	35502,991	35488,727	135,677	12,006	509,024	14,447	14,758	4,960	2017-09-13 12:24

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
36,500	0,225	0,695	0,515	0,369	0,372	140,952	19,733	28,107	-51,248	23,413	20,400	20,459	20,716	20,076	81,293	61,951	74,586
36,667	0,225	0,718	0,514	0,378	0,369	140,967	19,708	24,897	-49,736	23,748	20,404	20,462	20,729	20,079	81,212	61,965	74,636
36,833	0,220	0,720	0,514	0,371	0,372	140,920	19,713	22,977	-50,567	7,490	20,403	20,474	20,744	20,083	81,084	61,958	74,572
37,000	0,222	0,676	0,514	0,369	0,367	140,902	19,712	27,868	-50,951	21,435	20,382	20,463	20,727	20,078	81,185	61,985	74,578
37,167	0,221	0,687	0,514	0,378	0,369	140,831	19,687	23,392	-48,236	29,935	20,395	20,475	20,719	20,078	80,889	61,979	74,661
37,334	0,221	0,681	0,514	0,371	0,366	140,751	19,711	23,945	-49,817	16,428	20,398	20,466	20,727	20,079	81,019	61,998	74,600
37,500	0,221	0,672	0,514	0,361	0,385	140,761	19,713	22,666	-48,463	24,640	20,398	20,483	20,727	20,079	81,378	61,950	74,530
37,667	0,223	0,685	0,514	0,371	0,369	140,835	19,749	19,513	-47,370	22,660	20,415	20,475	20,735	20,083	81,076	61,939	74,562
37,834	0,225	0,715	0,514	0,374	0,383	140,790	19,754	20,898	-49,362	14,573	20,404	20,462	20,735	20,082	81,130	61,931	74,469
38,000	0,221	0,706	0,514	0,360	0,375	140,717	19,755	24,487	-50,148	6,663	20,425	20,474	20,732	20,084	81,243	61,918	74,501
38,167	0,221	0,695	0,513	0,364	0,380	140,916	19,725	29,140	-49,679	17,304	20,397	20,454	20,719	20,082	80,843	61,919	74,597
38,334	0,220	0,711	0,513	0,370	0,370	140,976	19,729	32,024	-49,871	16,186	20,402	20,484	20,724	20,086	80,897	61,924	74,501
38,500	0,221	0,717	0,513	0,373	0,372	141,080	19,720	33,440	-50,937	22,342	20,397	20,481	20,741	20,084	81,238	61,900	74,472
38,667	0,221	0,725	0,513	0,368	0,370	140,917	19,711	32,338	-48,791	18,299	20,403	20,480	20,731	20,087	81,546	61,865	74,441
38,834	0,220	0,692	0,513	0,368	0,382	140,880	19,710	34,692	-49,283	25,111	20,412	20,467	20,732	20,086	81,143	61,885	74,559
39,000	0,222	0,678	0,513	0,375	0,375	140,932	19,700	31,633	-46,850	27,144	20,411	20,478	20,719	20,087	81,332	61,947	74,615
39,167	0,226	0,662	0,513	0,369	0,383	140,923	19,715	26,898	-45,902	28,587	20,427	20,468	20,736	20,088	81,223	61,961	74,597
39,334	0,222	0,687	0,513	0,364	0,375	140,932	19,707	27,597	-48,132	13,920	20,395	20,471	20,744	20,088	80,977	61,926	74,559
39,500	0,222	0,691	0,513	0,374	0,380	140,875	19,712	25,308	-45,627	31,135	20,423	20,472	20,749	20,095	81,321	61,928	74,508
39,667	0,222	0,704	0,512	0,365	0,370	140,813	19,723	21,617	-45,307	20,487	20,405	20,471	20,728	20,090	81,142	61,977	74,550
39,833	0,225	0,685	0,512	0,377	0,376	140,876	19,723	21,608	-44,563	10,365	20,415	20,476	20,736	20,095	81,020	62,012	74,576
40,000	0,222	0,695	0,512	0,372	0,372	140,964	19,698	25,784	-44,362	6,354	20,425	20,463	20,732	20,095	80,976	62,001	74,530
40,167	0,218	0,695	0,512	0,358	0,375	140,944	19,702	30,544	-44,711	19,170	20,418	20,483	20,742	20,097	81,423	62,000	74,493
40,333	0,220	0,679	0,512	0,378	0,381	140,985	19,714	29,666	-43,892	30,987	20,424	20,476	20,742	20,097	81,134	62,005	74,527
40,500	0,221	0,690	0,512	0,372	0,375	140,910	19,660	25,456	-43,375	25,270	20,424	20,480	20,735	20,095	81,092	61,996	74,545
40,667	0,220	0,696	0,512	0,369	0,370	140,884	19,682	25,756	-45,848	14,845	20,409	20,494	20,746	20,103	81,213	62,021	74,541
40,833	0,222	0,677	0,512	0,358	0,370	140,840	19,671	28,000	-45,842	19,024	20,418	20,475	20,739	20,099	81,134	62,010	74,541
41,000	0,225	0,664	0,512	0,362	0,367	140,701	19,661	26,099	-42,579	27,250	20,416	20,467	20,727	20,095	81,059	62,006	74,549
41,167	0,229	0,652	0,511	0,366	0,381	140,627	19,654	26,775	-44,206	10,974	20,416	20,466	20,732	20,095	80,897	62,014	74,535
41,333	0,227	0,660	0,511	0,367	0,382	140,638	19,640	31,009	-42,702	17,798	20,415	20,478	20,728	20,095	80,918	62,017	74,434
41,500	0,228	0,706	0,511	0,364	0,384	140,708	19,668	32,447	-42,190	18,967	20,412	20,483	20,730	20,091	80,935	61,981	74,388
41,667	0,227	0,735	0,511	0,368	0,366	140,899	19,707	34,414	-42,823	22,390	20,420	20,479	20,738	20,097	80,954	61,954	74,381
41,833	0,220	0,735	0,511	0,372	0,377	140,990	19,753	33,208	-39,970	20,912	20,426	20,487	20,752	20,097	81,059	62,036	74,443
42,000	0,219	0,723	0,511	0,368	0,382	140,890	19,735	31,525	-39,111	34,511	20,433	20,477	20,748	20,100	81,086	62,025	74,478
42,167	0,217	0,705	0,511	0,367	0,376	140,844	19,752	25,192	-43,008	28,160	20,410	20,482	20,751	20,100	81,185	62,040	74,530
42,333	0,222	0,696	0,511	0,371	0,384	140,794	19,729	22,372	-46,494	23,304	20,405	20,474	20,735	20,097	81,297	62,039	74,522
42,500	0,219	0,678	0,511	0,378	0,367	140,845	19,722	20,503	-48,226	18,825	20,434	20,469	20,751	20,107	81,016	62,061	74,595

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
36,500	55,355	1,608	1,612	35519,602	35554,888	162,507	12,374	509,021	14,763	14,889	4,981	2017-09-13 12:24
36,667	55,364	1,613	1,611	35585,677	35477,770	161,649	12,953	508,929	15,114	14,762	4,960	2017-09-13 12:25
36,833	55,378	1,610	1,612	35453,898	35186,698	132,470	12,994	508,929	14,839	14,884	4,981	2017-09-13 12:25
37,000	55,376	1,610	1,612	35464,205	35331,196	147,626	11,899	508,929	14,752	14,670	4,945	2017-09-13 12:25
37,167	55,375	1,618	1,612	35618,207	34978,787	137,755	12,170	508,929	15,137	14,773	4,962	2017-09-13 12:25
37,334	55,363	1,615	1,613	35567,890	35100,256	139,440	12,013	508,836	14,849	14,623	4,937	2017-09-13 12:25
37,500	55,360	1,611	1,613	35430,987	35778,249	138,387	11,790	508,836	14,450	15,395	5,065	2017-09-13 12:25
37,667	55,354	1,610	1,613	35511,211	35210,213	153,890	12,132	508,836	14,856	14,773	4,962	2017-09-13 12:26
37,834	55,343	1,611	1,613	35356,459	35341,484	161,677	12,878	508,837	14,963	15,307	5,051	2017-09-13 12:26
38,000	55,336	1,612	1,613	35434,519	35600,102	140,743	12,645	508,836	14,392	15,001	5,000	2017-09-13 12:26
38,167	55,327	1,611	1,614	35648,394	34837,059	138,599	12,368	508,742	14,577	15,209	5,035	2017-09-13 12:26
38,334	55,327	1,609	1,614	35475,503	34888,448	135,021	12,785	508,742	14,795	14,809	4,968	2017-09-13 12:26
38,500	55,334	1,609	1,615	35409,338	35565,474	139,579	12,915	508,742	14,933	14,865	4,977	2017-09-13 12:26
38,667	55,336	1,609	1,615	35351,686	36194,229	139,847	13,116	508,742	14,728	14,810	4,968	2017-09-13 12:27
38,834	55,339	1,608	1,614	35560,659	35398,472	133,766	12,311	508,742	14,720	15,273	5,045	2017-09-13 12:27
39,000	55,342	1,618	1,612	35614,500	35839,936	148,012	11,958	508,648	14,986	14,992	4,999	2017-09-13 12:27
39,167	55,343	1,614	1,615	35638,468	35536,936	168,563	11,562	508,742	14,776	15,333	5,055	2017-09-13 12:27
39,334	55,378	1,611	1,615	35492,305	35082,271	146,347	12,182	508,648	14,558	15,018	5,003	2017-09-13 12:27
39,500	55,463	1,611	1,614	35232,525	35715,876	142,366	12,273	508,648	14,955	15,215	5,036	2017-09-13 12:27
39,667	55,471	1,610	1,614	35290,159	35258,695	146,723	12,588	508,554	14,594	14,786	4,964	2017-09-13 12:28
39,833	55,466	1,610	1,614	35336,124	34973,379	162,913	12,131	508,554	15,062	15,056	5,009	2017-09-13 12:28
40,000	55,461	1,611	1,614	35276,751	34939,815	144,478	12,382	508,555	14,895	14,882	4,980	2017-09-13 12:28
40,167	55,454	1,612	1,613	35191,477	35797,972	122,057	12,384	508,554	14,315	14,995	4,999	2017-09-13 12:28
40,333	55,465	1,612	1,615	35270,523	35240,616	130,834	11,981	508,554	15,118	15,232	5,039	2017-09-13 12:28
40,500	55,478	1,614	1,615	35275,928	35217,709	136,699	12,256	508,462	14,882	14,991	4,999	2017-09-13 12:28
40,667	55,474	1,614	1,613	35244,288	35406,776	133,756	12,391	508,462	14,758	14,796	4,966	2017-09-13 12:29
40,833	55,474	1,612	1,615	35276,718	35226,621	143,318	11,923	508,462	14,338	14,782	4,964	2017-09-13 12:29
41,000	55,473	1,612	1,613	35260,451	35097,567	163,000	11,602	508,462	14,485	14,672	4,945	2017-09-13 12:29
41,167	55,497	1,611	1,616	35258,555	34761,908	192,036	11,290	508,319	14,653	15,245	5,041	2017-09-13 12:29
41,333	55,528	1,613	1,616	35009,624	34836,004	178,628	11,490	508,319	14,693	15,268	5,044	2017-09-13 12:29
41,500	55,548	1,607	1,615	34857,022	34806,575	180,112	12,658	508,319	14,551	15,376	5,062	2017-09-13 12:29
41,667	55,541	1,609	1,616	34889,024	34945,518	175,109	13,370	508,319	14,713	14,638	4,939	2017-09-13 12:30
41,833	55,533	1,616	1,616	35017,163	35144,300	133,995	13,371	508,226	14,867	15,069	5,011	2017-09-13 12:30
42,000	55,542	1,611	1,615	35032,801	35103,833	128,120	13,078	508,319	14,732	15,268	5,044	2017-09-13 12:30
42,167	55,549	1,610	1,615	35115,965	35222,275	111,946	12,622	508,226	14,696	15,034	5,006	2017-09-13 12:30
42,333	55,552	1,611	1,615	35094,573	35462,481	145,948	12,403	508,226	14,842	15,356	5,059	2017-09-13 12:30
42,500	55,550	1,610	1,616	35270,075	34874,843	125,789	11,949	508,226	15,125	14,666	4,944	2017-09-13 12:30

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
42,667	0,223	0,682	0,510	0,372	0,381	140,783	19,706	21,719	-52,575	10,170	20,430	20,477	20,743	20,101	81,169	62,035	74,466
42,833	0,222	0,688	0,510	0,372	0,374	140,793	19,718	24,217	-54,462	8,415	20,428	20,484	20,744	20,105	81,065	62,049	74,549
43,000	0,224	0,678	0,510	0,376	0,368	140,833	19,727	28,653	-55,890	15,908	20,427	20,477	20,739	20,103	81,124	62,076	74,596
43,167	0,219	0,710	0,510	0,369	0,381	140,833	19,694	26,813	-55,327	17,980	20,435	20,481	20,750	20,105	81,274	62,067	74,596
43,333	0,219	0,713	0,510	0,369	0,380	140,793	19,707	26,637	-53,411	16,705	20,422	20,491	20,755	20,105	81,346	62,067	74,570
43,500	0,221	0,689	0,510	0,364	0,374	140,693	19,701	25,799	-52,052	12,140	20,433	20,478	20,765	20,104	80,995	62,168	74,678
43,667	0,227	0,691	0,510	0,370	0,381	140,732	19,514	24,042	-48,707	22,874	20,426	20,473	20,747	20,104	80,987	62,133	74,597
43,834	0,221	0,693	0,510	0,370	0,386	140,677	19,626	20,623	-47,807	22,496	20,435	20,482	20,757	20,108	81,136	62,090	74,555
44,000	0,221	0,675	0,509	0,371	0,382	140,600	19,662	23,812	-46,491	3,082	20,439	20,486	20,748	20,111	81,292	62,055	74,559
44,167	0,226	0,667	0,509	0,373	0,370	140,513	19,671	31,260	-47,030	17,865	20,434	20,479	20,750	20,109	81,031	62,099	74,604
44,334	0,219	0,676	0,509	0,366	0,377	140,488	19,667	29,675	-44,613	29,956	20,410	20,488	20,757	20,109	80,864	62,094	74,536
44,500	0,221	0,680	0,509	0,371	0,372	140,550	19,677	24,700	-40,566	29,337	20,432	20,481	20,761	20,111	81,101	62,063	74,491
44,667	0,226	0,690	0,509	0,360	0,376	140,603	19,722	21,473	-40,825	22,265	20,419	20,473	20,757	20,108	81,226	62,080	74,609
44,834	0,222	0,684	0,509	0,374	0,367	140,653	19,739	20,270	-40,355	17,207	20,417	20,491	20,755	20,111	81,089	62,098	74,578
45,000	0,229	0,684	0,509	0,366	0,388	140,736	19,747	19,492	-40,306	21,841	20,425	20,486	20,754	20,115	81,046	62,053	74,464
45,167	0,224	0,687	0,509	0,371	0,373	140,985	19,735	23,501	-41,032	2,957	20,439	20,495	20,761	20,113	80,946	62,053	74,516
45,334	0,231	0,706	0,509	0,376	0,370	141,220	19,732	30,711	-39,185	18,573	20,422	20,494	20,746	20,109	81,212	62,103	74,507
45,500	0,221	0,713	0,509	0,361	0,378	141,348	19,755	23,934	-37,104	24,173	20,429	20,494	20,760	20,119	81,277	62,107	74,608
45,667	0,220	0,713	0,508	0,365	0,380	141,423	19,749	19,570	-36,807	21,107	20,427	20,494	20,747	20,108	81,085	62,137	74,670
45,834	0,220	0,688	0,508	0,374	0,368	141,482	19,781	18,329	-38,284	20,123	20,455	20,514	20,772	20,131	81,247	62,125	74,646
46,000	0,221	0,699	0,508	0,375	0,373	141,531	19,769	20,831	-41,718	5,687	20,438	20,504	20,759	20,120	81,335	62,142	74,647
46,167	0,218	0,710	0,508	0,364	0,373	141,717	19,753	22,977	-39,412	27,575	20,440	20,491	20,763	20,119	81,216	62,149	74,661
46,334	0,223	0,707	0,507	0,373	0,381	141,734	19,771	20,833	-42,487	16,547	20,432	20,488	20,756	20,109	81,073	62,090	74,690
46,500	0,220	0,710	0,507	0,377	0,367	141,887	19,744	23,764	-46,001	10,681	20,438	20,504	20,756	20,120	81,120	62,191	74,747
46,667	0,217	0,711	0,507	0,383	0,380	141,938	19,770	23,863	-39,952	33,015	20,427	20,500	20,762	20,121	81,577	62,176	74,716
46,833	0,219	0,716	0,507	0,379	0,380	142,090	19,777	20,536	-43,204	20,482	20,443	20,499	20,767	20,124	81,830	62,145	74,786
47,000	0,229	0,728	0,507	0,359	0,384	142,086	19,753	21,872	-44,751	2,769	20,443	20,506	20,779	20,124	81,475	62,199	74,905
47,167	0,228	0,707	0,507	0,369	0,379	142,040	19,738	25,217	-45,065	19,810	20,446	20,511	20,759	20,123	81,475	62,213	74,896
47,333	0,227	0,681	0,507	0,381	0,366	141,944	19,765	21,448	-47,254	19,901	20,444	20,506	20,758	20,121	81,494	62,226	74,901
47,500	0,226	0,649	0,507	0,378	0,377	141,927	19,756	19,033	-45,358	19,007	20,447	20,496	20,759	20,117	81,446	62,217	74,890
47,667	0,222	0,663	0,507	0,371	0,367	141,866	19,759	20,089	-47,763	24,519	20,438	20,516	20,776	20,131	81,442	62,196	74,809
47,833	0,222	0,669	0,506	0,379	0,370	141,916	19,766	25,221	-38,441	7,798	20,438	20,502	20,760	20,123	81,548	62,188	74,859
48,000	0,225	0,682	0,506	0,367	0,376	141,990	19,692	24,355	-33,353	19,597	20,447	20,498	20,766	20,123	81,189	62,239	74,817
48,167	0,219	0,700	0,506	0,363	0,360	141,895	19,747	20,072	-35,536	21,855	20,439	20,508	20,758	20,123	81,386	62,168	74,722
48,333	0,220	0,707	0,506	0,374	0,373	141,885	19,733	19,066	-34,217	20,711	20,459	20,527	20,774	20,133	81,262	62,188	74,820
48,500	0,226	0,683	0,506	0,370	0,369	141,814	19,753	18,829	-36,352	8,407	20,427	20,502	20,766	20,127	81,159	62,161	74,726
48,667	0,229	0,689	0,506	0,374	0,379	141,717	19,774	22,311	-37,203	8,523	20,448	20,521	20,758	20,123	81,037	62,110	74,670

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
42,667	55,554	1,611	1,613	34956,955	35232,069	152,025	12,042	508,132	14,883	15,250	5,041	2017-09-13 12:31
42,833	55,559	1,610	1,613	35104,737	34982,059	147,987	12,194	508,132	14,887	14,967	4,994	2017-09-13 12:31
43,000	55,561	1,611	1,616	35244,338	35079,906	160,005	11,958	508,132	15,030	14,701	4,950	2017-09-13 12:31
43,167	55,580	1,611	1,615	35179,766	35363,584	126,647	12,755	508,132	14,774	15,234	5,039	2017-09-13 12:31
43,333	55,596	1,609	1,615	35108,454	35444,792	128,728	12,816	508,038	14,761	15,190	5,032	2017-09-13 12:31
43,500	55,595	1,622	1,614	35303,513	34892,546	138,582	12,229	508,038	14,568	14,965	4,994	2017-09-13 12:31
43,667	55,579	1,616	1,614	35183,338	34814,287	176,162	12,274	508,038	14,789	15,242	5,040	2017-09-13 12:32
43,834	55,576	1,610	1,613	35081,493	35040,050	142,171	12,320	508,038	14,813	15,448	5,074	2017-09-13 12:32
44,000	55,569	1,609	1,613	35099,336	35377,831	137,776	11,866	507,944	14,846	15,263	5,044	2017-09-13 12:32
44,167	55,571	1,613	1,612	35160,839	34896,239	171,735	11,687	507,944	14,931	14,783	4,964	2017-09-13 12:32
44,334	55,576	1,612	1,614	35067,558	34575,192	126,456	11,898	507,944	14,650	15,093	5,016	2017-09-13 12:32
44,500	55,579	1,612	1,616	35024,626	35074,636	140,284	12,007	507,945	14,853	14,880	4,980	2017-09-13 12:32
44,667	55,576	1,614	1,613	35179,353	35323,026	167,534	12,257	507,944	14,414	15,059	5,010	2017-09-13 12:33
44,834	55,577	1,610	1,615	35152,211	34951,626	142,428	12,109	507,944	14,973	14,694	4,949	2017-09-13 12:33
45,000	55,577	1,611	1,616	34975,681	34975,267	185,970	12,088	507,944	14,625	15,515	5,085	2017-09-13 12:33
45,167	55,599	1,616	1,614	34995,708	34896,549	154,926	12,174	507,851	14,837	14,915	4,986	2017-09-13 12:33
45,334	55,607	1,617	1,615	34969,457	35319,539	201,876	12,650	507,851	15,042	14,791	4,965	2017-09-13 12:33
45,500	55,604	1,614	1,616	35187,431	35358,315	137,765	12,835	507,851	14,454	15,137	5,023	2017-09-13 12:33
45,667	55,596	1,614	1,615	35299,814	34955,716	133,335	12,827	507,757	14,598	15,212	5,035	2017-09-13 12:34
45,834	55,607	1,613	1,616	35246,492	35246,196	134,124	12,203	507,757	14,972	14,720	4,953	2017-09-13 12:34
46,000	55,600	1,616	1,616	35268,937	35438,325	142,157	12,483	507,757	15,005	14,930	4,988	2017-09-13 12:34
46,167	55,591	1,614	1,616	35316,987	35172,495	121,939	12,741	507,757	14,546	14,918	4,986	2017-09-13 12:34
46,334	55,587	1,611	1,615	35344,611	34962,931	151,104	12,686	507,617	14,937	15,247	5,041	2017-09-13 12:34
46,500	55,589	1,621	1,615	35443,956	35078,877	133,134	12,738	507,617	15,062	14,664	4,944	2017-09-13 12:34
46,667	55,585	1,615	1,615	35394,616	35801,654	116,786	12,774	507,618	15,338	15,215	5,036	2017-09-13 12:35
46,833	55,592	1,610	1,615	35515,637	36214,093	123,958	12,910	507,524	15,178	15,203	5,034	2017-09-13 12:35
47,000	55,611	1,613	1,613	35660,603	35526,277	189,931	13,200	507,524	14,371	15,360	5,060	2017-09-13 12:35
47,167	55,605	1,611	1,615	35694,208	35472,458	183,017	12,684	507,524	14,746	15,153	5,025	2017-09-13 12:35
47,333	55,596	1,613	1,613	35681,970	35511,110	174,431	12,017	507,524	15,231	14,623	4,937	2017-09-13 12:35
47,500	55,591	1,613	1,612	35651,850	35442,662	169,953	11,217	507,524	15,101	15,063	5,011	2017-09-13 12:35
47,667	55,599	1,611	1,614	35530,443	35437,810	146,111	11,567	507,524	14,855	14,696	4,949	2017-09-13 12:36
47,833	55,601	1,621	1,613	35595,852	35866,111	148,484	11,717	507,430	15,157	14,818	4,969	2017-09-13 12:36
48,000	55,601	1,620	1,615	35553,741	35079,673	165,012	12,053	507,429	14,660	15,054	5,009	2017-09-13 12:36
48,167	55,601	1,612	1,614	35371,092	35396,270	125,205	12,490	507,429	14,537	14,405	4,900	2017-09-13 12:36
48,333	55,532	1,612	1,614	35672,619	35143,037	132,074	12,687	507,429	14,955	14,903	4,984	2017-09-13 12:36
48,500	55,498	1,611	1,613	35545,461	34983,156	170,241	12,085	507,336	14,794	14,745	4,957	2017-09-13 12:36
48,667	55,494	1,613	1,612	35424,782	34882,680	189,959	12,230	507,337	14,964	15,141	5,023	2017-09-13 12:37

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
48,833	0,227	0,681	0,506	0,377	0,379	141,731	19,791	26,260	-33,543	16,906	20,446	20,512	20,764	20,129	81,003	62,079	74,640
49,000	0,227	0,680	0,506	0,367	0,374	141,720	19,794	26,794	-34,346	14,077	20,446	20,515	20,763	20,129	81,262	62,063	74,569
49,167	0,227	0,677	0,505	0,384	0,380	141,772	19,798	31,018	-34,353	21,661	20,443	20,507	20,783	20,141	81,251	62,064	74,624
49,333	0,225	0,681	0,505	0,383	0,378	141,818	19,773	30,716	-30,500	22,673	20,439	20,511	20,772	20,131	81,330	62,065	74,663
49,500	0,222	0,695	0,505	0,370	0,370	141,849	19,794	23,992	-30,434	32,217	20,430	20,500	20,760	20,123	81,377	62,061	74,686
49,667	0,221	0,690	0,505	0,374	0,373	141,960	19,815	26,713	-33,757	5,566	20,445	20,511	20,772	20,133	81,415	62,126	74,753
49,833	0,219	0,711	0,505	0,371	0,380	142,033	19,693	29,880	-36,461	16,292	20,460	20,508	20,767	20,131	81,517	62,130	74,774
50,000	0,231	0,743	0,505	0,377	0,384	142,100	19,750	30,429	-36,284	22,708	20,445	20,511	20,779	20,132	81,841	62,142	74,855
50,167	0,223	0,737	0,505	0,373	0,372	142,024	19,752	26,294	-34,816	25,136	20,452	20,514	20,763	20,135	81,604	62,162	74,917
50,333	0,224	0,714	0,505	0,375	0,370	141,997	19,809	21,969	-28,957	20,467	20,470	20,528	20,786	20,153	81,818	62,152	74,932
50,500	0,222	0,687	0,504	0,383	0,369	142,030	19,805	21,800	-27,906	12,309	20,497	20,550	20,819	20,169	81,566	62,152	74,931
50,667	0,225	0,681	0,504	0,377	0,378	142,040	19,768	24,547	-28,312	9,188	20,466	20,524	20,776	20,141	81,747	62,123	74,900
50,834	0,225	0,688	0,504	0,369	0,371	142,148	19,835	27,580	-25,674	29,552	20,466	20,531	20,776	20,148	81,689	62,131	74,971
51,000	0,221	0,700	0,504	0,380	0,372	142,063	19,821	21,334	-27,401	27,745	20,478	20,525	20,786	20,151	81,486	62,129	74,905
51,167	0,221	0,724	0,504	0,381	0,364	142,083	19,832	21,220	-19,882	17,612	20,462	20,547	20,786	20,156	81,767	62,094	74,900
51,334	0,224	0,706	0,504	0,373	0,361	142,179	19,792	18,588	-17,303	16,831	20,476	20,531	20,804	20,160	81,444	62,182	75,019
51,500	0,225	0,703	0,504	0,371	0,373	142,221	19,741	19,042	-18,967	17,231	20,467	20,524	20,775	20,143	81,828	62,184	75,005
51,667	0,218	0,710	0,504	0,369	0,376	142,133	19,747	18,623	-17,206	22,505	20,447	20,526	20,767	20,137	81,756	62,148	75,000
51,834	0,222	0,684	0,504	0,377	0,377	142,266	19,742	17,624	-15,527	19,070	20,462	20,522	20,771	20,140	82,057	62,156	75,039
52,000	0,224	0,683	0,504	0,370	0,372	142,154	19,784	16,918	-16,878	16,876	20,458	20,522	20,780	20,144	81,883	62,158	75,020
52,167	0,222	0,675	0,504	0,371	0,366	142,212	19,796	22,261	-17,208	3,901	20,462	20,524	20,784	20,147	81,806	62,131	74,980
52,334	0,222	0,674	0,503	0,376	0,377	142,263	19,789	29,171	-18,380	15,431	20,462	20,527	20,775	20,143	81,475	62,126	74,961
52,500	0,220	0,671	0,503	0,372	0,379	142,306	19,792	32,624	-18,190	21,183	20,447	20,505	20,768	20,139	81,539	62,102	74,867
52,667	0,220	0,684	0,503	0,368	0,369	142,221	19,829	32,165	-16,503	18,052	20,493	20,539	20,813	20,167	81,640	62,086	74,850
52,834	0,223	0,689	0,503	0,381	0,370	142,248	19,841	37,237	-11,905	19,733	20,496	20,547	20,807	20,173	81,805	62,114	74,865
53,000	0,218	0,696	0,503	0,372	0,383	142,235	19,838	36,473	-11,658	15,837	20,471	20,527	20,791	20,156	81,648	62,135	74,940
53,167	0,223	0,707	0,503	0,367	0,373	142,230	19,856	-34,240	-8,529	16,723	20,492	20,545	20,803	20,171	81,785	62,158	74,903
53,334	0,225	0,718	0,503	0,377	0,374	142,276	19,797	4,490	-5,008	20,480	20,451	20,527	20,789	20,145	81,475	62,106	74,831
53,500	0,223	0,730	0,503	0,367	0,376	142,230	19,777	-12,863	-9,466	20,498	20,439	20,514	20,768	20,133	81,401	62,119	74,844
53,667	0,223	0,715	0,502	0,374	0,379	142,179	19,807	37,514	-4,512	20,515	20,457	20,518	20,791	20,148	81,465	62,122	74,839
53,833	0,223	0,681	0,502	0,381	0,377	142,107	19,790	17,256	-0,931	20,510	20,443	20,496	20,779	20,136	81,423	62,098	74,830
54,000	0,225	0,681	0,502	0,375	0,387	142,071	19,768	19,746	-2,293	20,529	20,449	20,524	20,781	20,137	81,739	62,102	74,785
54,167	0,227	0,659	0,502	0,382	0,378	142,140	19,781	23,493	-5,048	20,533	20,454	20,520	20,778	20,137	81,535	62,098	74,801
54,333	0,227	0,655	0,502	0,370	0,367	142,066	19,805	18,913	-3,491	20,553	20,453	20,536	20,791	20,141	81,590	62,121	74,765
54,500	0,225	0,656	0,502	0,377	0,357	142,132	19,811	14,296	3,217	20,553	20,453	20,526	20,789	20,144	81,525	62,072	74,709
54,667	0,221	0,695	0,502	0,386	0,379	142,238	19,722	15,787	3,309	20,554	20,459	20,517	20,782	20,145	81,432	62,083	74,766
54,833	0,220	0,718	0,502	0,359	0,375	142,274	19,728	13,470	4,983	20,569	20,467	20,544	20,777	20,153	81,435	62,098	74,778

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
48,833	55,492	1,611	1,612	35365,848	34846,783	174,862	12,029	507,337	15,094	15,144	5,024	2017-09-13 12:37
49,000	55,497	1,613	1,613	35259,883	35386,481	178,625	11,989	507,337	14,668	14,978	4,996	2017-09-13 12:37
49,167	55,510	1,611	1,616	35388,428	35331,654	178,642	11,927	507,242	15,343	15,201	5,033	2017-09-13 12:37
49,333	55,514	1,611	1,614	35426,733	35468,996	162,931	12,017	507,242	15,310	15,132	5,022	2017-09-13 12:37
49,500	55,518	1,608	1,613	35430,570	35504,382	147,622	12,387	507,242	14,805	14,804	4,967	2017-09-13 12:37
49,667	55,525	1,618	1,615	35575,264	35676,792	139,218	12,246	507,242	14,965	14,938	4,990	2017-09-13 12:38
49,833	55,517	1,613	1,613	35599,183	35741,501	127,359	12,780	507,149	14,852	15,199	5,033	2017-09-13 12:38
50,000	55,490	1,612	1,613	35795,613	36295,831	203,995	13,583	507,149	15,061	15,352	5,058	2017-09-13 12:38
50,167	55,473	1,616	1,615	35980,353	35901,257	150,531	13,434	507,149	14,912	14,863	4,977	2017-09-13 12:38
50,333	55,455	1,612	1,611	35966,577	36245,653	158,706	12,844	507,148	14,981	14,817	4,969	2017-09-13 12:38
50,500	55,437	1,610	1,613	36032,714	35728,949	147,813	12,168	507,055	15,315	14,771	4,962	2017-09-13 12:38
50,667	55,447	1,610	1,613	35960,256	36103,650	161,645	12,017	507,055	15,076	15,117	5,020	2017-09-13 12:39
50,834	55,441	1,611	1,612	36072,822	36015,840	162,886	12,194	507,055	14,759	14,831	4,972	2017-09-13 12:39
51,000	55,431	1,610	1,613	35996,593	35610,956	140,500	12,496	507,055	15,214	14,897	4,983	2017-09-13 12:39
51,167	55,429	1,613	1,613	35994,403	36273,713	141,723	13,088	507,055	15,233	14,546	4,924	2017-09-13 12:39
51,334	55,433	1,619	1,613	36207,715	35633,980	160,401	12,640	507,055	14,915	14,448	4,907	2017-09-13 12:39
51,500	55,431	1,618	1,615	36218,281	36334,316	165,971	12,580	506,962	14,837	14,920	4,987	2017-09-13 12:39
51,667	55,429	1,611	1,613	36176,580	36113,636	119,736	12,739	506,962	14,772	15,052	5,009	2017-09-13 12:40
51,834	55,425	1,611	1,615	36291,294	36648,068	146,955	12,102	506,962	15,098	15,098	5,016	2017-09-13 12:40
52,000	55,414	1,611	1,612	36210,448	36316,729	156,600	12,065	506,962	14,809	14,890	4,982	2017-09-13 12:40
52,167	55,411	1,611	1,615	36207,647	36233,935	147,813	11,879	506,962	14,821	14,634	4,939	2017-09-13 12:40
52,334	55,406	1,612	1,615	36180,466	35660,020	145,062	11,843	506,820	15,046	15,077	5,013	2017-09-13 12:40
52,500	55,427	1,610	1,613	35934,061	35759,302	135,639	11,781	506,820	14,886	15,159	5,026	2017-09-13 12:40
52,667	55,465	1,610	1,612	35804,428	35978,119	135,663	12,091	506,820	14,723	14,744	4,957	2017-09-13 12:41
52,834	55,462	1,611	1,613	35864,172	36257,505	152,007	12,218	506,726	15,230	14,795	4,966	2017-09-13 12:41
53,000	55,454	1,618	1,615	36057,931	36095,636	123,006	12,398	506,726	14,873	15,310	5,051	2017-09-13 12:41
53,167	55,459	1,616	1,615	35975,650	36249,533	149,474	12,667	506,726	14,685	14,923	4,987	2017-09-13 12:41
53,334	55,454	1,610	1,615	35850,150	35632,131	161,180	12,958	506,726	15,082	14,942	4,990	2017-09-13 12:41
53,500	55,454	1,613	1,613	35847,993	35541,701	149,488	13,255	506,726	14,660	15,027	5,005	2017-09-13 12:41
53,667	55,457	1,613	1,613	35836,432	35666,640	148,713	12,864	506,633	14,972	15,164	5,027	2017-09-13 12:42
53,833	55,457	1,609	1,613	35800,718	35533,755	154,106	12,023	506,633	15,256	15,070	5,012	2017-09-13 12:42
54,000	55,458	1,611	1,615	35759,737	36163,002	163,966	12,022	506,633	14,988	15,491	5,081	2017-09-13 12:42
54,167	55,461	1,613	1,615	35796,545	35833,188	178,851	11,480	506,633	15,289	15,121	5,020	2017-09-13 12:42
54,333	55,474	1,614	1,616	35711,713	35912,903	176,408	11,373	506,539	14,793	14,697	4,949	2017-09-13 12:42
54,500	55,470	1,613	1,614	35581,022	35855,070	166,895	11,408	506,539	15,064	14,291	4,880	2017-09-13 12:42
54,667	55,478	1,608	1,612	35634,914	35556,849	140,267	12,378	506,539	15,441	15,157	5,026	2017-09-13 12:43
54,833	55,473	1,608	1,613	35689,118	35546,108	131,462	12,943	506,539	14,372	15,013	5,002	2017-09-13 12:43

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
55,000	0,217	0,719	0,501	0,374	0,380	142,467	19,747	12,197	6,431	20,584	20,458	20,532	20,766	20,144	81,677	62,080	74,801
55,167	0,225	0,723	0,501	0,387	0,376	142,518	19,780	20,044	2,478	20,594	20,469	20,548	20,805	20,160	81,651	62,141	74,873
55,333	0,220	0,700	0,501	0,375	0,372	142,482	19,770	25,129	3,889	20,587	20,472	20,534	20,787	20,149	81,463	62,141	74,823
55,500	0,220	0,696	0,501	0,381	0,370	142,372	19,783	27,556	2,677	20,589	20,464	20,527	20,783	20,151	81,666	62,138	74,832
55,667	0,226	0,676	0,501	0,360	0,368	142,250	19,788	25,497	2,661	20,592	20,471	20,532	20,796	20,149	81,482	62,109	74,834
55,833	0,229	0,653	0,501	0,375	0,365	142,311	19,798	18,980	8,587	20,598	20,450	20,531	20,784	20,152	81,340	62,117	74,772
56,000	0,222	0,672	0,501	0,374	0,385	142,235	19,822	22,371	10,639	20,606	20,471	20,534	20,813	20,161	81,427	62,087	74,789
56,167	0,224	0,683	0,501	0,379	0,372	142,337	19,805	22,076	7,552	20,613	20,468	20,534	20,790	20,155	81,544	62,113	74,861
56,333	0,221	0,701	0,501	0,368	0,364	142,445	19,809	16,820	16,027	20,617	20,472	20,538	20,796	20,157	81,467	62,113	74,831
56,500	0,220	0,703	0,459	0,379	0,377	142,402	19,665	16,920	16,090	20,621	20,454	20,531	20,809	20,157	81,579	62,095	74,784
56,667	0,222	0,694	0,480	0,387	0,372	142,414	19,805	16,738	20,469	20,633	20,483	20,538	20,805	20,161	81,489	62,094	74,793
56,833	0,225	0,688	0,500	0,385	0,370	142,505	19,855	15,405	20,535	20,629	20,474	20,556	20,800	20,160	81,305	62,117	74,812
57,000	0,223	0,699	0,936	0,390	0,373	142,636	19,814	17,553	20,538	20,646	20,476	20,536	20,807	20,159	81,409	62,100	74,801
57,167	0,221	0,706	0,938	0,377	0,376	142,749	19,781	14,007	20,534	20,628	20,455	20,521	20,786	20,145	81,375	62,143	74,785
57,333	0,220	0,707	0,484	0,378	0,377	143,013	19,832	120,738	20,546	20,643	20,483	20,544	20,809	20,159	81,213	62,148	74,857
57,500	0,226	0,698	0,479	0,371	0,376	143,279	19,815	43,003	20,568	20,655	20,465	20,540	20,804	20,155	81,397	62,125	74,807
57,667	0,241	0,708	0,459	0,382	0,377	143,653	19,829	21,767	20,574	20,649	20,475	20,527	20,796	20,156	81,470	62,117	74,808
57,834	0,241	0,704	0,440	0,375	0,374	143,803	19,796	31,241	20,588	20,666	20,469	20,535	20,806	20,165	81,536	62,126	74,843
58,000	0,230	0,702	0,442	0,388	0,380	143,811	19,800	30,378	20,594	20,674	20,469	20,537	20,807	20,164	81,779	62,148	74,911
58,167	0,223	0,689	0,440	0,373	0,380	143,945	19,846	28,634	20,597	20,688	20,484	20,559	20,807	20,169	81,941	62,166	74,985
58,334	0,223	0,698	0,453	0,377	0,382	143,885	19,842	15,995	20,593	20,691	20,484	20,543	20,791	20,171	81,741	62,146	75,000
58,500	0,219	0,685	0,453	0,377	0,385	143,963	19,834	14,961	20,609	20,691	20,494	20,566	20,812	20,176	81,682	62,217	75,109
58,667	0,220	0,660	0,453	0,389	0,371	144,067	19,819	14,967	20,604	20,691	20,479	20,537	20,809	20,163	81,698	62,219	75,044
58,834	0,220	0,666	0,439	0,383	0,375	144,134	19,783	21,783	20,636	20,713	20,495	20,575	20,823	20,184	81,928	62,211	75,098
59,000	0,222	0,694	0,439	0,381	0,374	144,341	19,836	24,357	20,602	20,680	20,471	20,547	20,782	20,160	81,884	62,217	75,154
59,167	0,224	0,696	0,453	0,388	0,369	144,314	19,845	19,715	20,615	20,705	20,488	20,567	20,828	20,173	81,893	62,212	75,056
59,334	0,224	0,674	0,494	0,381	0,382	144,243	19,822	14,655	20,622	20,709	20,492	20,556	20,811	20,171	81,699	62,180	75,100
59,500	0,229	0,698	0,494	0,371	0,373	144,324	19,885	15,031	20,612	20,692	20,470	20,554	20,809	20,165	81,948	62,265	75,124
59,667	0,235	0,704	0,494	0,379	0,365	144,358	19,853	14,574	20,612	20,701	20,471	20,539	20,785	20,163	81,852	62,242	75,050
59,834	0,239	0,717	0,493	0,380	0,374	144,651	19,833	21,148	20,636	20,727	20,502	20,573	20,816	20,176	81,779	62,204	74,993
60,000	0,221	0,722	0,493	0,384	0,374	144,743	19,786	16,910	20,621	20,713	20,476	20,555	20,805	20,161	81,706	62,216	75,120
60,167	0,216	0,720	0,451	0,381	0,377	144,862	19,785	11,084	20,649	20,742	20,494	20,581	20,822	20,189	81,933	62,259	75,193
60,333	0,217	0,702	0,438	0,374	0,387	144,842	19,894	21,740	20,623	20,705	20,474	20,551	20,803	20,165	81,994	62,283	75,239
60,500	0,216	0,686	0,489	0,379	0,373	144,913	19,940	11,468	20,642	20,749	20,497	20,581	20,827	20,192	82,256	62,255	75,213
60,667	0,217	0,677	0,518	0,376	0,379	144,819	19,860	179,640	20,630	20,727	20,486	20,573	20,818	20,181	82,223	62,343	75,304
60,833	0,217	0,656	0,556	0,371	0,374	144,833	19,895	9,439	20,621	20,711	20,470	20,543	20,795	20,157	82,052	62,309	75,236
61,000	0,217	0,673	0,597	0,368	0,362	144,996	19,974	27,775	20,636	20,738	20,494	20,558	20,781	20,171	82,496	62,291	75,237

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
55,000	55,469	1,613	1,615	35767,628	36123,384	113,197	12,980	506,445	14,980	15,214	5,036	2017-09-13 12:43
55,167	55,475	1,620	1,614	35887,190	36131,744	162,173	13,073	506,445	15,477	15,032	5,005	2017-09-13 12:43
55,333	55,481	1,613	1,616	35814,420	35614,092	133,127	12,511	506,445	15,003	14,864	4,977	2017-09-13 12:43
55,500	55,470	1,611	1,612	35761,240	35954,613	130,688	12,408	506,445	15,258	14,796	4,966	2017-09-13 12:43
55,667	55,466	1,611	1,613	35804,118	35679,956	167,746	11,891	506,445	14,391	14,721	4,953	2017-09-13 12:44
55,833	55,463	1,612	1,613	35690,519	35425,564	192,054	11,320	506,445	15,020	14,607	4,934	2017-09-13 12:44
56,000	55,470	1,613	1,615	35742,553	35653,698	145,513	11,801	506,352	14,946	15,401	5,066	2017-09-13 12:44
56,167	55,478	1,610	1,615	35867,985	35750,078	154,933	12,073	506,352	15,142	14,893	4,982	2017-09-13 12:44
56,333	55,477	1,611	1,613	35778,353	35640,105	140,059	12,526	506,352	14,734	14,577	4,929	2017-09-13 12:44
56,500	55,470	1,610	1,613	35705,481	35850,024	134,388	12,564	498,531	15,158	15,070	5,012	2017-09-13 12:44
56,667	55,467	1,612	1,613	35714,637	35731,334	148,012	12,344	502,412	15,478	14,886	4,981	2017-09-13 12:45
56,833	55,461	1,610	1,612	35737,028	35318,890	165,408	12,210	506,258	15,392	14,791	4,965	2017-09-13 12:45
57,000	55,466	1,614	1,615	35778,981	35628,335	149,287	12,483	588,059	15,619	14,916	4,986	2017-09-13 12:45
57,167	55,478	1,616	1,614	35700,571	35510,715	141,487	12,640	588,340	15,065	15,022	5,004	2017-09-13 12:45
57,333	55,467	1,617	1,612	35825,145	35238,409	132,414	12,676	503,280	15,114	15,075	5,012	2017-09-13 12:45
57,500	55,473	1,610	1,614	35758,329	35458,043	167,309	12,452	502,242	14,856	15,038	5,006	2017-09-13 12:45
57,667	55,474	1,615	1,614	35756,955	35721,480	266,310	12,708	498,625	15,265	15,082	5,014	2017-09-13 12:46
57,834	55,478	1,612	1,613	35792,739	35761,263	266,258	12,590	495,060	15,005	14,959	4,993	2017-09-13 12:46
58,000	55,479	1,611	1,613	35915,304	36151,834	197,707	12,547	495,341	15,507	15,189	5,031	2017-09-13 12:46
58,167	55,489	1,610	1,616	36106,435	36383,227	154,735	12,213	495,060	14,929	15,200	5,033	2017-09-13 12:46
58,334	55,484	1,610	1,615	36108,001	36050,126	148,661	12,440	497,360	15,069	15,273	5,045	2017-09-13 12:46
58,500	55,492	1,617	1,613	36261,004	35978,926	124,340	12,135	497,359	15,096	15,405	5,067	2017-09-13 12:46
58,667	55,488	1,614	1,612	36120,988	35934,312	135,566	11,496	497,359	15,562	14,853	4,975	2017-09-13 12:47
58,834	55,470	1,614	1,615	36318,459	36370,759	133,575	11,646	494,825	15,330	14,998	5,000	2017-09-13 12:47
59,000	55,485	1,611	1,615	36394,287	36215,534	144,461	12,340	494,825	15,230	14,963	4,994	2017-09-13 12:47
59,167	55,488	1,610	1,614	36204,138	36210,600	160,603	12,389	497,359	15,503	14,764	4,961	2017-09-13 12:47
59,334	55,486	1,613	1,612	36221,622	35990,173	159,123	11,845	505,077	15,244	15,284	5,047	2017-09-13 12:47
59,500	55,505	1,620	1,613	36269,203	36440,431	188,902	12,458	505,042	14,834	14,911	4,985	2017-09-13 12:47
59,667	55,506	1,610	1,612	36091,813	36075,407	225,332	12,609	505,042	15,142	14,594	4,932	2017-09-13 12:48
59,834	55,517	1,609	1,612	35969,169	35998,071	248,510	12,936	504,949	15,217	14,979	4,997	2017-09-13 12:48
60,000	55,516	1,609	1,612	36216,919	35837,684	138,304	13,049	504,948	15,378	14,953	4,992	2017-09-13 12:48
60,167	55,525	1,611	1,614	36375,468	36226,889	109,219	13,006	497,121	15,240	15,098	5,016	2017-09-13 12:48
60,333	55,536	1,608	1,612	36405,792	36229,620	112,572	12,562	494,637	14,943	15,490	5,081	2017-09-13 12:48
60,500	55,536	1,614	1,613	36377,416	36886,013	110,022	12,154	504,256	15,146	14,904	4,984	2017-09-13 12:48
60,667	55,546	1,615	1,615	36561,331	36703,374	112,996	11,932	509,636	15,056	15,169	5,028	2017-09-13 12:49
60,833	55,544	1,609	1,613	36402,055	36311,866	116,759	11,405	516,729	14,838	14,977	4,996	2017-09-13 12:49
61,000	55,540	1,611	1,612	36387,876	37204,269	111,126	11,825	524,350	14,728	14,487	4,914	2017-09-13 12:49

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
61,167	0,215	0,702	0,616	0,381	0,381	144,942	19,972	450,177	20,656	20,756	20,500	20,572	20,827	20,188	81,880	62,306	75,367
61,333	0,222	0,709	0,630	0,376	0,379	145,017	19,852	-9999,000	20,632	20,722	20,500	20,560	20,802	20,169	81,780	62,341	75,313
61,500	0,219	0,701	0,633	0,386	0,374	145,066	19,828	0,290	20,635	20,747	20,481	20,566	20,661	20,176	82,030	62,329	75,267
61,667	0,224	0,709	0,634	0,376	0,379	145,051	19,838	22,739	20,656	20,832	20,490	20,577	20,631	20,172	82,186	62,305	75,356
61,833	0,233	0,724	0,635	0,390	0,368	145,035	19,860	27,835	20,725	20,896	20,479	20,598	20,640	20,179	82,113	62,386	75,341
62,000	0,225	0,712	0,692	0,386	0,381	145,034	19,867	22,230	20,751	20,917	20,485	20,599	20,626	20,177	82,282	62,349	75,333
62,167	0,229	0,719	0,684	0,384	0,379	144,985	19,880	19,158	20,750	20,945	20,482	20,578	20,619	20,172	82,186	62,348	75,372
62,333	0,223	0,718	0,657	0,387	0,376	144,781	19,880	21,021	20,778	20,952	20,471	20,581	20,603	20,165	82,440	62,359	75,367
62,500	0,226	0,724	0,645	0,371	0,371	144,635	19,861	26,736	20,783	20,961	20,473	20,576	20,608	20,161	82,082	62,371	75,455
62,667	0,227	0,707	0,629	0,368	0,373	144,491	19,877	30,255	20,790	20,975	20,474	20,569	20,608	20,163	82,151	62,402	75,456
62,833	0,225	0,675	0,659	0,372	0,375	144,392	19,723	29,338	20,795	20,979	20,473	20,574	20,608	20,164	82,284	62,399	75,413
63,000	0,231	0,661	0,670	0,373	0,377	144,166	19,835	20,853	20,804	20,997	20,465	20,588	20,614	20,167	82,157	62,382	75,509
63,167	0,229	0,666	0,670	0,380	0,358	143,952	19,874	16,029	20,819	21,017	20,465	20,584	20,607	20,169	81,971	62,486	75,494
63,333	0,231	0,674	0,670	0,378	0,373	143,843	19,875	17,260	20,845	21,038	20,489	20,600	20,624	20,179	82,145	62,437	75,343
63,500	0,233	0,671	0,670	0,377	0,365	143,768	19,888	25,025	20,840	21,046	20,483	20,597	20,618	20,173	82,065	62,398	75,314
63,667	0,233	0,666	0,670	0,369	0,362	143,742	19,920	26,473	20,849	21,066	20,481	20,597	20,630	20,181	81,999	62,411	75,298
63,833	0,237	0,692	0,669	0,382	0,381	143,817	19,900	19,105	20,870	21,076	20,469	20,585	20,623	20,180	81,867	62,359	75,167
64,000	0,233	0,696	0,670	0,379	0,370	143,778	19,912	14,441	20,912	21,133	20,496	20,617	20,654	20,216	82,032	62,340	75,187
64,167	0,233	0,692	0,669	0,390	0,391	143,827	19,883	11,708	20,881	21,122	20,490	20,613	20,646	20,198	82,137	62,341	75,217
64,334	0,233	0,697	0,669	0,375	0,368	143,669	19,910	12,146	20,880	21,113	20,476	20,598	20,634	20,184	81,857	62,343	75,209
64,500	0,232	0,689	0,669	0,386	0,370	143,547	19,922	17,366	20,875	21,130	20,473	20,577	20,635	20,181	82,167	62,328	75,174
64,667	0,233	0,682	0,669	0,377	0,384	143,502	19,925	21,213	20,910	21,139	20,485	20,591	20,644	20,190	81,787	62,447	75,268
64,834	0,234	0,691	0,669	0,374	0,389	143,591	19,931	22,555	20,922	21,170	20,488	20,610	20,646	20,194	81,698	62,414	75,171
65,000	0,238	0,708	0,669	0,373	0,381	143,636	19,910	18,291	20,921	21,161	20,461	20,589	20,622	20,173	82,017	62,367	75,140
65,167	0,238	0,719	0,669	0,378	0,371	143,624	19,943	13,512	20,958	21,217	20,509	20,611	20,650	20,206	82,295	62,373	75,225
65,334	0,232	0,725	0,669	0,378	0,372	143,603	19,901	12,332	20,932	21,186	20,474	20,592	20,635	20,177	82,076	62,363	75,233
65,500	0,229	0,700	0,668	0,370	0,369	143,656	19,902	12,328	20,937	21,183	20,479	20,573	20,620	20,169	81,876	62,391	75,273
65,667	0,229	0,715	0,668	0,377	0,373	143,648	19,902	10,467	20,943	21,179	20,466	20,577	20,606	20,172	81,917	62,356	75,163
65,834	0,225	0,695	0,668	0,379	0,366	143,536	19,906	19,098	20,943	21,193	20,470	20,581	20,620	20,176	81,749	62,277	75,169
66,000	0,232	0,683	0,668	0,371	0,375	143,475	19,879	18,996	20,943	21,197	20,464	20,579	20,618	20,176	82,109	62,283	75,177
66,167	0,239	0,669	0,668	0,383	0,370	143,467	19,845	20,394	20,938	21,210	20,458	20,573	20,615	20,175	81,743	62,266	75,212
66,334	0,229	0,675	0,667	0,379	0,377	143,477	19,866	22,713	20,957	21,255	20,481	20,575	20,626	20,184	81,724	62,262	75,097
66,500	0,225	0,689	0,667	0,375	0,362	143,611	19,896	18,119	20,986	21,264	20,477	20,590	20,628	20,183	81,890	62,227	75,062
66,667	0,225	0,705	0,667	0,371	0,384	143,622	19,876	14,346	20,973	21,286	20,460	20,580	20,628	20,180	81,798	62,213	75,016
66,834	0,224	0,718	0,667	0,394	0,387	143,660	19,892	11,571	21,009	21,297	20,473	20,573	20,636	20,183	81,650	62,197	75,071
67,000	0,227	0,728	0,667	0,382	0,374	143,581	19,905	11,897	21,015	21,299	20,466	20,590	20,631	20,183	81,839	62,314	75,205
67,167	0,229	0,713	0,667	0,369	0,380	143,535	19,892	13,936	21,020	21,299	20,465	20,580	20,628	20,183	81,735	62,295	75,140

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
61,167	55,554	1,610	1,613	36623,924	36011,437	99,327	12,541	528,057	15,244	15,221	5,037	2017-09-13 12:49
61,333	55,568	1,614	1,615	36530,887	35862,631	148,494	12,723	530,536	15,036	15,168	5,028	2017-09-13 12:49
61,500	55,572	1,608	1,614	36436,915	36211,004	128,527	12,531	531,153	15,426	14,961	4,993	2017-09-13 12:49
61,667	55,581	1,614	1,613	36553,931	36670,070	155,356	12,713	531,334	15,041	15,177	5,029	2017-09-13 12:50
61,833	55,580	1,617	1,612	36493,974	36460,521	214,989	13,102	531,521	15,583	14,711	4,952	2017-09-13 12:50
62,000	55,573	1,608	1,615	36560,662	36639,751	165,300	12,810	542,191	15,443	15,223	5,037	2017-09-13 12:50
62,167	55,577	1,611	1,611	36554,927	36526,240	192,054	12,982	540,657	15,356	15,164	5,027	2017-09-13 12:50
62,333	55,592	1,610	1,611	36517,489	36942,080	150,089	12,962	535,740	15,477	15,035	5,006	2017-09-13 12:50
62,500	55,597	1,608	1,612	36677,809	36227,605	171,301	13,096	533,446	14,822	14,853	4,975	2017-09-13 12:50
62,667	55,599	1,611	1,613	36705,607	36362,866	174,643	12,665	530,349	14,738	14,938	4,990	2017-09-13 12:51
62,833	55,619	1,610	1,613	36593,243	36585,931	164,998	11,868	536,007	14,886	15,020	5,003	2017-09-13 12:51
63,000	55,629	1,615	1,613	36742,845	36496,319	202,936	11,537	538,128	14,902	15,078	5,013	2017-09-13 12:51
63,167	55,640	1,618	1,612	36676,724	36026,198	191,651	11,661	538,128	15,208	14,305	4,883	2017-09-13 12:51
63,333	55,654	1,611	1,613	36388,394	36292,895	198,544	11,860	538,034	15,131	14,924	4,987	2017-09-13 12:51
63,500	55,659	1,609	1,613	36326,546	36176,074	213,442	11,766	538,034	15,077	14,583	4,930	2017-09-13 12:51
63,667	55,643	1,611	1,613	36330,777	36067,729	215,951	11,641	538,034	14,743	14,479	4,912	2017-09-13 12:52
63,833	55,639	1,610	1,611	36052,923	35889,061	236,916	12,292	537,940	15,280	15,250	5,041	2017-09-13 12:52
64,000	55,638	1,608	1,612	36114,656	36190,808	215,002	12,392	538,034	15,155	14,806	4,968	2017-09-13 12:52
64,167	55,647	1,607	1,614	36198,074	36345,876	211,361	12,289	537,940	15,597	15,641	5,106	2017-09-13 12:52
64,334	55,655	1,609	1,611	36088,336	35895,241	211,952	12,428	537,940	15,014	14,739	4,956	2017-09-13 12:52
64,500	55,651	1,610	1,611	36048,606	36500,434	209,860	12,224	537,940	15,449	14,781	4,963	2017-09-13 12:52
64,667	55,667	1,620	1,612	36199,731	35807,852	211,337	12,062	537,940	15,091	15,351	5,058	2017-09-13 12:53
64,834	55,687	1,611	1,609	35915,062	35503,280	218,314	12,275	537,940	14,977	15,551	5,091	2017-09-13 12:53
65,000	55,687	1,611	1,612	35925,854	36179,351	243,809	12,704	537,846	14,927	15,254	5,042	2017-09-13 12:53
65,167	55,702	1,608	1,610	36022,546	36621,669	244,257	12,975	537,846	15,122	14,855	4,976	2017-09-13 12:53
65,334	55,638	1,610	1,610	36153,759	36264,532	209,235	13,133	537,846	15,114	14,891	4,982	2017-09-13 12:53
65,500	55,560	1,611	1,612	36406,870	35877,229	186,394	12,497	537,753	14,800	14,765	4,961	2017-09-13 12:53
65,667	55,532	1,612	1,612	36256,941	36029,319	190,796	12,867	537,753	15,088	14,927	4,988	2017-09-13 12:54
65,834	55,516	1,612	1,610	36258,041	35878,418	165,019	12,373	537,753	15,160	14,637	4,939	2017-09-13 12:54
66,000	55,514	1,611	1,608	36222,182	36505,701	207,543	12,064	537,753	14,830	14,984	4,997	2017-09-13 12:54
66,167	55,506	1,610	1,609	36329,715	35848,975	253,687	11,722	537,753	15,333	14,790	4,965	2017-09-13 12:54
66,334	55,512	1,609	1,609	36102,805	35780,999	189,549	11,866	537,613	15,160	15,085	5,014	2017-09-13 12:54
66,500	55,532	1,608	1,609	36018,937	36138,004	165,422	12,221	537,613	15,001	14,484	4,913	2017-09-13 12:54
66,667	55,554	1,608	1,610	35913,658	35997,490	165,846	12,623	537,613	14,849	15,363	5,060	2017-09-13 12:55
66,834	55,549	1,608	1,610	36015,341	35757,219	157,882	12,943	537,613	15,775	15,463	5,077	2017-09-13 12:55
67,000	55,545	1,612	1,611	36298,079	35974,718	176,519	13,210	537,519	15,274	14,977	4,996	2017-09-13 12:55
67,167	55,517	1,613	1,609	36187,551	35830,975	190,997	12,834	537,519	14,751	15,211	5,035	2017-09-13 12:55

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
67,333	0,226	0,710	0,667	0,367	0,371	143,498	19,928	16,669	21,023	21,308	20,465	20,594	20,626	20,186	81,759	62,269	75,154
67,500	0,235	0,702	0,667	0,378	0,372	143,551	19,934	22,585	21,037	21,323	20,485	20,585	20,632	20,189	82,001	62,271	75,106
67,667	0,233	0,701	0,667	0,386	0,380	143,561	19,939	27,001	21,029	21,323	20,464	20,597	20,644	20,189	81,776	62,221	75,104
67,833	0,231	0,685	0,666	0,379	0,378	143,548	19,946	27,446	21,028	21,339	20,497	20,593	20,648	20,194	81,936	62,217	75,169
68,000	0,233	0,686	0,666	0,383	0,368	143,572	19,959	25,723	21,062	21,369	20,486	20,605	20,643	20,197	81,874	62,267	75,208
68,167	0,230	0,690	0,666	0,379	0,373	143,650	19,957	20,250	21,051	21,365	20,485	20,589	20,639	20,190	81,999	62,247	75,135
68,333	0,228	0,693	0,666	0,384	0,387	143,620	19,938	18,064	21,063	21,363	20,463	20,576	20,641	20,188	82,280	62,207	75,135
68,500	0,236	0,702	0,666	0,376	0,378	143,528	19,932	17,783	21,070	21,376	20,480	20,602	20,656	20,190	81,813	62,216	75,154
68,667	0,240	0,704	0,666	0,382	0,384	143,503	19,949	18,302	21,072	21,392	20,482	20,600	20,648	20,193	81,743	62,228	75,162
68,833	0,242	0,701	0,666	0,381	0,374	143,603	19,948	15,617	21,097	21,391	20,478	20,596	20,651	20,192	81,852	62,212	75,117
69,000	0,238	0,711	0,665	0,386	0,380	143,706	19,948	11,552	21,096	21,407	20,476	20,606	20,655	20,201	81,887	62,204	75,185
69,167	0,236	0,716	0,666	0,384	0,373	143,645	19,944	16,410	21,118	21,404	20,480	20,592	20,643	20,197	81,720	62,215	75,140
69,333	0,229	0,694	0,666	0,377	0,383	143,592	19,938	23,904	21,113	21,417	20,496	20,594	20,672	20,210	82,164	62,201	75,100
69,500	0,235	0,674	0,665	0,375	0,369	143,518	19,954	27,569	21,105	21,433	20,490	20,613	20,661	20,208	82,102	62,178	75,117
69,667	0,232	0,677	0,665	0,370	0,383	143,500	19,944	18,279	21,083	21,400	20,472	20,589	20,635	20,186	81,637	62,195	75,179
69,833	0,239	0,668	0,665	0,380	0,376	143,464	20,014	16,790	21,155	21,466	20,538	20,631	20,696	20,241	81,835	62,201	75,061
70,000	0,233	0,659	0,665	0,384	0,375	143,354	19,954	18,359	21,109	21,451	20,485	20,605	20,659	20,201	81,917	62,150	75,034
70,167	0,228	0,664	0,665	0,371	0,367	143,232	19,962	20,700	21,115	21,439	20,474	20,588	20,656	20,193	81,729	62,125	75,077
70,333	0,233	0,666	0,665	0,376	0,371	143,308	19,960	25,118	21,134	21,454	20,479	20,605	20,664	20,205	81,585	62,189	75,052
70,500	0,233	0,679	0,665	0,390	0,387	143,252	19,945	25,289	21,155	21,467	20,494	20,604	20,659	20,209	81,714	62,156	74,944
70,667	0,236	0,685	0,664	0,372	0,372	143,272	19,939	18,854	21,155	21,473	20,472	20,587	20,664	20,197	81,497	62,122	74,905
70,833	0,236	0,706	0,664	0,380	0,381	143,313	19,944	23,440	21,177	21,473	20,485	20,582	20,655	20,197	81,396	62,087	74,821
71,000	0,236	0,711	0,664	0,377	0,372	143,256	19,939	19,307	21,174	21,487	20,489	20,595	20,665	20,196	81,296	62,090	74,790
71,167	0,231	0,709	0,664	0,379	0,386	143,233	19,956	15,812	21,160	21,473	20,481	20,595	20,652	20,194	81,845	62,063	74,790
71,334	0,235	0,688	0,664	0,377	0,367	143,155	19,981	12,494	21,182	21,488	20,494	20,609	20,664	20,212	81,832	62,076	74,926
71,500	0,235	0,679	0,664	0,380	0,367	143,028	19,951	16,068	21,165	21,470	20,478	20,587	20,640	20,196	81,591	62,102	74,916
71,667	0,229	0,689	0,664	0,383	0,381	143,103	19,949	18,708	21,166	21,500	20,469	20,588	20,661	20,194	81,424	62,137	74,919
71,834	0,230	0,693	0,664	0,388	0,379	143,119	19,949	20,108	21,179	21,521	20,488	20,580	20,665	20,194	81,527	62,096	74,880
72,000	0,231	0,699	0,663	0,379	0,378	143,088	19,963	22,665	21,216	21,514	20,493	20,586	20,681	20,202	81,424	62,084	74,830
72,167	0,234	0,716	0,664	0,374	0,380	143,219	19,962	23,344	21,215	21,538	20,506	20,600	20,678	20,209	81,691	62,076	74,858
72,334	0,234	0,720	0,663	0,385	0,383	143,138	19,920	15,968	21,252	21,556	20,513	20,615	20,686	20,218	81,736	62,099	74,865
72,500	0,233	0,707	0,664	0,367	0,371	143,008	19,920	17,206	21,231	21,541	20,500	20,616	20,681	20,214	81,578	62,070	74,898
72,667	0,237	0,694	0,663	0,376	0,373	142,914	19,957	19,844	21,202	21,517	20,497	20,592	20,661	20,201	81,678	62,092	74,882
72,834	0,229	0,692	0,663	0,374	0,381	142,832	19,961	20,924	21,206	21,520	20,475	20,596	20,676	20,202	81,787	62,115	74,930
73,000	0,235	0,676	0,663	0,383	0,369	142,756	19,989	15,480	21,249	21,581	20,530	20,623	20,705	20,236	81,444	62,126	74,948
73,167	0,234	0,679	0,663	0,382	0,379	142,813	19,953	14,247	21,225	21,561	20,487	20,613	20,679	20,216	81,519	62,157	74,927
73,334	0,232	0,673	0,663	0,384	0,373	142,783	19,952	12,070	21,224	21,549	20,487	20,614	20,673	20,208	81,351	62,095	74,824

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
67,333	55,490	1,611	1,610	36284,227	35890,793	167,739	12,745	537,519	14,690	14,856	4,976	2017-09-13 12:55
67,500	55,477	1,610	1,610	36221,202	36295,044	226,631	12,562	537,519	15,103	14,888	4,981	2017-09-13 12:55
67,667	55,470	1,607	1,610	36226,484	35907,507	213,894	12,523	537,519	15,431	15,197	5,033	2017-09-13 12:56
67,833	55,457	1,614	1,610	36368,337	36374,564	204,409	12,115	537,425	15,155	15,115	5,019	2017-09-13 12:56
68,000	55,451	1,614	1,611	36462,841	36177,664	216,375	12,149	537,425	15,314	14,725	4,954	2017-09-13 12:56
68,167	55,441	1,610	1,609	36307,462	36340,838	192,703	12,238	537,425	15,155	14,916	4,986	2017-09-13 12:56
68,333	55,445	1,611	1,610	36334,856	36961,262	184,306	12,322	537,425	15,348	15,475	5,079	2017-09-13 12:56
68,500	55,457	1,608	1,611	36373,552	36013,522	232,097	12,561	537,332	15,033	15,106	5,018	2017-09-13 12:56
68,667	55,467	1,610	1,610	36338,752	35897,481	255,389	12,600	537,332	15,269	15,353	5,058	2017-09-13 12:57
68,833	55,459	1,608	1,612	36306,208	36099,460	268,370	12,521	537,332	15,256	14,979	4,996	2017-09-13 12:57
69,000	55,439	1,610	1,610	36439,228	36210,086	246,029	12,785	537,237	15,450	15,209	5,035	2017-09-13 12:57
69,167	55,429	1,608	1,610	36379,624	35837,575	231,461	12,904	537,331	15,351	14,938	4,990	2017-09-13 12:57
69,333	55,422	1,615	1,611	36339,308	36844,136	187,895	12,358	537,332	15,087	15,309	5,051	2017-09-13 12:57
69,500	55,426	1,610	1,610	36320,930	36653,275	226,458	11,860	537,236	15,012	14,772	4,962	2017-09-13 12:57
69,667	55,418	1,611	1,610	36465,650	35803,614	206,539	11,915	537,236	14,804	15,311	5,052	2017-09-13 12:58
69,833	55,421	1,608	1,610	36226,139	36084,835	248,840	11,689	537,236	15,213	15,052	5,009	2017-09-13 12:58
70,000	55,419	1,607	1,610	36192,918	36297,993	214,923	11,471	537,236	15,379	15,020	5,003	2017-09-13 12:58
70,167	55,409	1,608	1,610	36279,255	36035,469	185,393	11,607	537,144	14,821	14,665	4,944	2017-09-13 12:58
70,333	55,417	1,611	1,608	36183,233	35712,909	214,891	11,643	537,144	15,051	14,855	4,976	2017-09-13 12:58
70,500	55,421	1,608	1,611	36034,165	35944,341	212,595	11,970	537,143	15,588	15,475	5,079	2017-09-13 12:58
70,667	55,422	1,610	1,610	35954,417	35649,599	230,617	12,116	537,049	14,884	14,885	4,981	2017-09-13 12:59
70,833	55,417	1,605	1,610	35799,058	35421,069	231,774	12,652	537,049	15,201	15,233	5,039	2017-09-13 12:59
71,000	55,410	1,608	1,607	35697,782	35301,252	232,531	12,778	537,049	15,077	14,897	4,983	2017-09-13 12:59
71,167	55,417	1,605	1,610	35748,631	36290,832	199,190	12,732	537,049	15,177	15,447	5,074	2017-09-13 12:59
71,334	55,411	1,608	1,610	36010,415	36315,632	226,239	12,210	537,049	15,070	14,663	4,944	2017-09-13 12:59
71,500	55,399	1,614	1,611	36042,787	35949,588	229,595	11,977	537,049	15,192	14,676	4,946	2017-09-13 12:59
71,667	55,395	1,612	1,609	35998,263	35529,812	187,620	12,217	536,957	15,312	15,236	5,039	2017-09-13 13:00
71,834	55,400	1,613	1,612	35975,632	35811,159	194,500	12,328	536,957	15,528	15,175	5,029	2017-09-13 13:00
72,000	55,394	1,608	1,612	35901,225	35543,534	200,229	12,472	536,814	15,177	15,102	5,017	2017-09-13 13:00
72,167	55,403	1,611	1,611	35918,806	36123,309	218,265	12,902	536,957	14,961	15,210	5,035	2017-09-13 13:00
72,334	55,392	1,609	1,611	35960,308	36111,047	222,017	13,010	536,814	15,392	15,336	5,056	2017-09-13 13:00
72,500	55,400	1,607	1,611	35996,531	35840,587	214,047	12,672	536,951	14,671	14,839	4,973	2017-09-13 13:00
72,667	55,394	1,608	1,610	35958,734	35988,457	239,855	12,354	536,814	15,058	14,938	4,990	2017-09-13 13:01
72,834	55,442	1,613	1,612	36006,168	36271,093	187,641	12,303	536,814	14,943	15,253	5,042	2017-09-13 13:01
73,000	55,471	1,608	1,610	35940,661	35500,196	225,766	11,903	536,720	15,308	14,770	4,961	2017-09-13 13:01
73,167	55,482	1,607	1,613	35940,366	35559,598	217,428	11,963	536,720	15,298	15,178	5,030	2017-09-13 13:01
73,334	55,492	1,608	1,612	35703,498	35392,069	205,218	11,813	536,720	15,359	14,924	4,987	2017-09-13 13:01

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
73,500	0,233	0,676	0,662	0,376	0,372	142,825	19,982	17,725	21,279	21,603	20,520	20,637	20,713	20,241	81,567	62,162	74,851
73,667	0,235	0,692	0,662	0,385	0,371	142,779	19,954	21,180	21,255	21,573	20,491	20,624	20,697	20,217	81,328	62,143	74,776
73,833	0,241	0,670	0,662	0,374	0,374	142,813	19,984	24,563	21,277	21,615	20,509	20,628	20,717	20,240	81,695	62,131	74,766
74,000	0,235	0,671	0,662	0,375	0,373	142,807	19,960	20,451	21,261	21,582	20,498	20,609	20,679	20,214	81,470	62,090	74,753
74,167	0,240	0,669	0,662	0,371	0,367	142,833	19,963	22,009	21,266	21,588	20,485	20,608	20,697	20,217	81,344	62,107	74,755
74,333	0,240	0,670	0,662	0,377	0,377	142,852	20,010	18,969	21,275	21,607	20,513	20,623	20,717	20,232	81,312	62,126	74,761
74,500	0,235	0,688	0,662	0,381	0,381	142,730	20,004	13,607	21,284	21,622	20,512	20,606	20,701	20,229	81,236	62,104	74,686
74,667	0,236	0,697	0,662	0,379	0,371	142,709	19,966	11,312	21,290	21,612	20,497	20,621	20,706	20,229	81,270	62,086	74,658
74,833	0,239	0,688	0,662	0,367	0,371	142,726	19,983	13,520	21,294	21,620	20,505	20,618	20,721	20,236	81,217	62,102	74,703
75,000	0,240	0,673	0,662	0,375	0,366	142,782	19,989	15,056	21,312	21,629	20,505	20,640	20,714	20,233	81,072	62,102	74,631
75,167	0,234	0,688	0,662	0,383	0,381	142,802	20,046	19,322	21,384	21,707	20,581	20,701	20,793	20,302	81,510	62,107	74,666
75,333	0,229	0,687	0,661	0,375	0,378	142,700	20,037	16,041	21,386	21,714	20,586	20,692	20,782	20,306	81,243	62,115	74,654
75,500	0,234	0,678	0,661	0,387	0,379	142,752	19,989	10,631	21,324	21,647	20,512	20,631	20,729	20,236	81,384	62,087	74,661
75,667	0,237	0,689	0,661	0,369	0,376	142,708	19,984	20,091	21,335	21,648	20,500	20,619	20,711	20,229	81,227	62,119	74,746
75,833	0,238	0,694	0,661	0,378	0,376	142,731	19,980	30,302	21,321	21,662	20,497	20,618	20,725	20,232	81,340	62,157	74,712
76,000	0,235	0,678	0,661	0,380	0,380	142,676	20,004	22,616	21,345	21,669	20,499	20,629	20,726	20,236	81,280	62,131	74,719
76,167	0,237	0,686	0,661	0,388	0,363	142,735	19,975	21,926	21,348	21,677	20,518	20,621	20,725	20,232	81,277	62,149	74,747
76,333	0,234	0,708	0,661	0,375	0,370	142,827	19,946	19,311	21,327	21,670	20,480	20,612	20,705	20,214	81,139	62,111	74,680
76,500	0,233	0,712	0,661	0,391	0,370	142,944	20,003	18,177	21,385	21,693	20,529	20,652	20,739	20,254	81,282	62,117	74,672
76,667	0,232	0,696	0,660	0,370	0,383	142,970	19,958	24,760	21,348	21,672	20,502	20,617	20,717	20,222	81,249	62,095	74,716
76,833	0,235	0,696	0,660	0,379	0,374	143,040	19,965	29,773	21,366	21,694	20,512	20,650	20,748	20,248	81,431	62,130	74,673
77,000	0,231	0,691	0,660	0,375	0,382	142,910	19,991	30,773	21,372	21,705	20,525	20,641	20,737	20,250	81,262	62,127	74,751
77,167	0,229	0,678	0,660	0,368	0,381	142,917	20,002	32,229	21,391	21,723	20,542	20,652	20,763	20,262	81,460	62,150	74,765
77,333	0,231	0,699	0,660	0,383	0,374	143,116	20,041	24,076	21,452	21,779	20,579	20,695	20,814	20,309	81,189	62,150	74,792
77,500	0,231	0,710	0,659	0,377	0,381	142,994	19,989	24,524	21,368	21,698	20,508	20,619	20,739	20,228	81,693	62,139	74,753
77,667	0,230	0,705	0,659	0,384	0,373	143,034	19,980	30,102	21,376	21,699	20,487	20,612	20,743	20,225	81,830	62,158	74,855
77,834	0,233	0,706	0,659	0,382	0,376	143,010	20,010	30,456	21,395	21,736	20,507	20,637	20,722	20,233	81,485	62,187	74,867
78,000	0,228	0,732	0,659	0,364	0,382	143,106	19,998	25,478	21,386	21,716	20,503	20,624	20,743	20,229	81,294	62,170	74,858
78,167	0,228	0,716	0,659	0,387	0,382	143,045	19,995	25,468	21,390	21,725	20,510	20,621	20,732	20,232	81,412	62,191	74,820
78,334	0,230	0,724	0,659	0,384	0,377	143,008	19,981	18,001	21,386	21,721	20,509	20,628	20,739	20,228	81,509	62,152	74,855
78,500	0,229	0,705	0,659	0,375	0,375	142,903	19,975	23,064	21,361	21,694	20,484	20,611	20,732	20,224	81,362	62,240	74,974
78,667	0,241	0,669	0,659	0,374	0,374	142,837	20,014	19,416	21,355	21,714	20,516	20,620	20,742	20,230	81,370	62,223	74,913
78,834	0,236	0,669	0,658	0,368	0,372	142,746	20,009	18,333	21,348	21,725	20,504	20,623	20,752	20,224	81,190	62,228	74,874
79,000	0,238	0,679	0,658	0,389	0,381	142,734	20,001	21,438	21,384	21,717	20,496	20,611	20,730	20,225	81,498	62,177	74,740
79,167	0,238	0,682	0,658	0,369	0,360	142,673	19,978	23,803	21,397	21,728	20,510	20,628	20,732	20,228	81,429	62,174	74,896
79,334	0,233	0,688	0,658	0,377	0,364	142,652	20,000	17,386	21,397	21,740	20,504	20,625	20,749	20,234	81,574	62,220	74,873
79,500	0,243	0,679	0,658	0,383	0,371	142,639	20,001	16,194	21,385	21,740	20,524	20,633	20,765	20,237	81,247	62,189	74,842

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
73,500	55,489	1,614	1,613	35790,004	35803,786	211,125	11,898	536,698	15,031	14,900	4,983	2017-09-13 13:01
73,667	55,497	1,611	1,612	35607,744	35327,468	223,682	12,311	536,627	15,411	14,829	4,971	2017-09-13 13:02
73,833	55,484	1,611	1,613	35641,028	36029,672	266,268	11,742	536,627	14,954	14,962	4,994	2017-09-13 13:02
74,000	55,490	1,607	1,612	35579,141	35586,653	226,440	11,781	536,627	14,982	14,940	4,990	2017-09-13 13:02
74,167	55,500	1,605	1,612	35561,116	35292,178	258,937	11,731	536,627	14,845	14,666	4,944	2017-09-13 13:02
74,333	55,496	1,610	1,612	35580,799	35297,128	256,025	11,762	536,627	15,083	15,081	5,013	2017-09-13 13:02
74,500	55,501	1,610	1,612	35429,830	35195,638	228,334	12,206	536,533	15,241	15,251	5,042	2017-09-13 13:02
74,667	55,510	1,610	1,613	35393,040	35291,432	235,314	12,433	536,533	15,180	14,851	4,975	2017-09-13 13:03
74,833	55,544	1,610	1,611	35358,668	35169,303	249,090	12,196	536,533	14,695	14,823	4,970	2017-09-13 13:03
75,000	55,554	1,606	1,612	35231,730	34811,696	257,676	11,821	536,533	15,013	14,642	4,940	2017-09-13 13:03
75,167	55,567	1,605	1,611	35266,778	35600,891	219,102	12,208	536,533	15,325	15,224	5,037	2017-09-13 13:03
75,333	55,541	1,605	1,609	35230,217	35089,835	191,025	12,165	536,439	15,005	15,130	5,022	2017-09-13 13:03
75,500	55,545	1,606	1,610	35272,430	35417,769	222,872	11,947	536,439	15,498	15,151	5,025	2017-09-13 13:03
75,667	55,545	1,612	1,610	35422,164	35198,625	238,396	12,230	536,439	14,775	15,053	5,009	2017-09-13 13:04
75,833	55,537	1,612	1,608	35328,335	35342,410	242,395	12,344	536,346	15,132	15,031	5,005	2017-09-13 13:04
76,000	55,532	1,606	1,608	35358,418	35156,045	225,839	11,938	536,439	15,219	15,218	5,036	2017-09-13 13:04
76,167	55,520	1,607	1,608	35438,006	35123,245	239,014	12,151	536,346	15,540	14,538	4,922	2017-09-13 13:04
76,333	55,514	1,608	1,609	35345,394	34978,599	220,374	12,692	536,346	14,980	14,795	4,966	2017-09-13 13:04
76,500	55,525	1,607	1,609	35300,183	35192,437	214,262	12,789	536,346	15,641	14,783	4,964	2017-09-13 13:04
76,667	55,533	1,610	1,609	35366,819	35242,221	210,107	12,412	536,252	14,788	15,315	5,052	2017-09-13 13:05
76,833	55,538	1,610	1,610	35303,248	35505,049	226,496	12,405	536,252	15,159	14,942	4,990	2017-09-13 13:05
77,000	55,528	1,610	1,610	35474,291	35205,256	202,960	12,268	536,252	14,981	15,276	5,046	2017-09-13 13:05
77,167	55,541	1,607	1,610	35466,623	35461,166	189,316	11,943	536,252	14,732	15,245	5,041	2017-09-13 13:05
77,333	55,544	1,607	1,610	35513,727	34964,153	202,602	12,477	536,207	15,332	14,953	4,992	2017-09-13 13:05
77,500	55,542	1,606	1,609	35411,185	35897,335	200,872	12,740	536,115	15,089	15,238	5,039	2017-09-13 13:05
77,667	55,541	1,607	1,610	35636,631	36121,282	196,692	12,634	536,115	15,367	14,914	4,986	2017-09-13 13:06
77,834	55,542	1,608	1,609	35625,496	35470,964	216,587	12,659	536,115	15,270	15,025	5,004	2017-09-13 13:06
78,000	55,548	1,604	1,610	35624,353	35063,963	183,034	13,305	536,115	14,548	15,275	5,046	2017-09-13 13:06
78,167	55,554	1,607	1,609	35513,435	35296,986	181,776	12,905	536,022	15,485	15,291	5,048	2017-09-13 13:06
78,334	55,548	1,605	1,609	35590,746	35509,997	196,053	13,088	536,021	15,366	15,095	5,016	2017-09-13 13:06
78,500	55,553	1,616	1,609	35799,579	35312,828	190,379	12,632	536,021	14,982	15,000	5,000	2017-09-13 13:06
78,667	55,554	1,611	1,610	35714,865	35257,162	261,029	11,728	536,021	14,978	14,951	4,992	2017-09-13 13:07
78,834	55,561	1,610	1,607	35570,094	34882,568	235,460	11,732	535,927	14,714	14,899	4,983	2017-09-13 13:07
79,000	55,561	1,610	1,609	35371,236	35551,021	246,776	11,969	535,927	15,566	15,222	5,037	2017-09-13 13:07
79,167	55,554	1,608	1,609	35665,667	35390,305	243,715	12,042	535,927	14,746	14,418	4,902	2017-09-13 13:07
79,334	55,552	1,609	1,610	35651,309	35580,508	216,382	12,201	535,927	15,077	14,549	4,924	2017-09-13 13:07
79,500	55,553	1,608	1,610	35586,472	35020,659	274,027	11,966	535,927	15,305	14,856	4,976	2017-09-13 13:07

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
79,667	0,241	0,674	0,658	0,380	0,377	142,591	20,005	20,422	21,386	21,758	20,509	20,617	20,766	20,228	81,899	62,180	74,861
79,834	0,236	0,676	0,658	0,385	0,375	142,748	20,000	16,848	21,422	21,768	20,507	20,615	20,753	20,233	81,450	62,197	74,898
80,000	0,239	0,722	0,658	0,372	0,369	142,933	20,000	22,333	21,433	21,782	20,515	20,636	20,757	20,238	81,330	62,239	74,873
80,167	0,237	0,735	0,658	0,368	0,372	142,968	20,001	26,962	21,436	21,771	20,512	20,635	20,774	20,241	81,593	62,231	74,834
80,334	0,233	0,720	0,657	0,384	0,386	142,913	19,993	26,075	21,419	21,744	20,500	20,621	20,752	20,230	81,413	62,177	74,940
80,500	0,238	0,690	0,657	0,369	0,378	142,861	19,964	23,968	21,397	21,750	20,501	20,616	20,760	20,226	81,712	62,255	74,967
80,667	0,231	0,674	0,657	0,380	0,375	142,938	19,941	26,812	21,401	21,758	20,509	20,619	20,757	20,230	81,882	62,255	75,009
80,833	0,242	0,682	0,657	0,377	0,365	142,963	19,990	20,968	21,422	21,787	20,520	20,635	20,763	20,238	81,666	62,267	75,074
81,000	0,235	0,689	0,657	0,365	0,365	143,016	19,971	16,171	21,428	21,771	20,505	20,627	20,764	20,234	81,712	62,306	75,061
81,167	0,235	0,702	0,657	0,375	0,375	142,924	19,966	14,826	21,437	21,779	20,524	20,616	20,773	20,233	81,660	62,287	74,973
81,333	0,230	0,699	0,657	0,377	0,372	142,898	19,976	19,331	21,423	21,780	20,508	20,616	20,766	20,234	81,722	62,216	75,000
81,500	0,232	0,703	0,657	0,391	0,384	142,920	19,965	24,619	21,424	21,778	20,499	20,605	20,782	20,234	81,702	62,169	74,954
81,667	0,232	0,712	0,657	0,380	0,375	142,785	19,950	25,143	21,429	21,786	20,518	20,633	20,781	20,236	81,708	62,164	74,961
81,833	0,236	0,692	0,656	0,375	0,374	142,803	19,959	25,798	21,423	21,792	20,511	20,618	20,770	20,236	81,974	62,160	75,040
82,000	0,234	0,695	0,656	0,388	0,379	142,910	20,000	26,446	21,450	21,791	20,517	20,620	20,780	20,241	81,524	62,247	75,117
82,167	0,231	0,699	0,656	0,378	0,364	142,890	20,013	23,907	21,460	21,798	20,526	20,634	20,790	20,250	81,708	62,223	75,039
82,333	0,235	0,702	0,656	0,373	0,380	142,853	20,008	22,635	21,469	21,818	20,527	20,645	20,792	20,253	81,195	62,208	74,957
82,500	0,231	0,710	0,656	0,379	0,368	142,840	20,034	20,460	21,466	21,830	20,546	20,639	20,798	20,253	81,373	62,174	74,907
82,667	0,233	0,712	0,656	0,366	0,379	142,795	20,018	19,941	21,460	21,808	20,535	20,628	20,797	20,242	81,713	62,191	74,948
82,833	0,235	0,696	0,656	0,370	0,390	142,748	20,014	25,117	21,433	21,812	20,504	20,607	20,790	20,238	81,705	62,185	74,935
83,000	0,227	0,690	0,656	0,370	0,381	142,775	19,999	21,141	21,430	21,825	20,526	20,633	20,785	20,242	81,541	62,176	74,974
83,167	0,232	0,688	0,655	0,374	0,383	142,824	20,022	17,284	21,452	21,834	20,507	20,629	20,785	20,240	81,504	62,174	74,947
83,333	0,229	0,710	0,655	0,371	0,382	142,812	20,060	14,995	21,480	21,821	20,520	20,647	20,806	20,246	81,708	62,193	74,984
83,500	0,234	0,698	0,655	0,379	0,379	142,862	20,065	18,531	21,454	21,822	20,511	20,622	20,794	20,241	81,712	62,152	75,002
83,667	0,232	0,689	0,655	0,379	0,364	142,795	20,051	22,168	21,449	21,827	20,504	20,627	20,807	20,242	81,990	62,236	75,110
83,833	0,235	0,677	0,655	0,375	0,381	142,680	20,045	28,885	21,454	21,829	20,538	20,618	20,815	20,246	81,548	62,219	74,996
84,000	0,232	0,688	0,655	0,365	0,372	142,594	20,064	23,273	21,471	21,835	20,528	20,636	20,812	20,253	81,535	62,174	74,890
84,167	0,228	0,686	0,655	0,371	0,373	142,597	20,086	20,652	21,454	21,835	20,517	20,637	20,807	20,246	81,712	62,134	74,842
84,333	0,236	0,687	0,655	0,358	0,380	142,587	20,080	23,067	21,475	21,850	20,515	20,610	20,808	20,248	81,620	62,127	74,877
84,500	0,234	0,692	0,655	0,379	0,373	142,630	20,069	22,468	21,475	21,855	20,523	20,645	20,826	20,252	81,631	62,160	74,981
84,667	0,226	0,703	0,655	0,383	0,386	142,621	20,064	24,454	21,478	21,865	20,521	20,645	20,814	20,248	81,718	62,173	74,955
84,834	0,228	0,695	0,654	0,369	0,385	142,564	20,060	27,699	21,478	21,852	20,519	20,634	20,808	20,249	81,558	62,165	74,908
85,000	0,229	0,688	0,654	0,378	0,369	142,685	20,080	23,225	21,483	21,863	20,521	20,644	20,833	20,256	81,882	62,164	74,913
85,167	0,235	0,693	0,654	0,368	0,386	142,793	20,070	18,824	21,488	21,881	20,531	20,649	20,823	20,256	81,681	62,156	74,978
85,334	0,228	0,720	0,654	0,385	0,378	142,703	20,062	18,400	21,488	21,873	20,531	20,655	20,816	20,256	81,835	62,157	74,915
85,500	0,228	0,709	0,654	0,372	0,375	142,740	20,047	22,381	21,504	21,899	20,538	20,643	20,827	20,257	81,481	62,131	74,915
85,667	0,235	0,694	0,654	0,370	0,379	142,834	20,073	18,181	21,502	21,904	20,554	20,650	20,864	20,278	81,821	62,145	74,885

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
79,667	55,565	1,608	1,608	35558,577	36245,528	263,763	11,851	535,834	15,198	15,061	5,010	2017-09-13 13:08
79,834	55,577	1,608	1,609	35622,110	35387,360	233,150	11,894	535,835	15,419	14,987	4,998	2017-09-13 13:08
80,000	55,592	1,610	1,607	35507,612	35120,226	250,286	13,046	535,834	14,899	14,752	4,958	2017-09-13 13:08
80,167	55,577	1,607	1,606	35432,162	35552,259	240,088	13,387	535,834	14,722	14,876	4,979	2017-09-13 13:08
80,334	55,583	1,604	1,607	35653,207	35257,510	212,824	13,009	535,739	15,341	15,437	5,072	2017-09-13 13:08
80,500	55,592	1,608	1,606	35652,655	35760,167	246,359	12,260	535,739	14,764	15,126	5,021	2017-09-13 13:08
80,667	55,605	1,608	1,606	35705,660	36074,239	203,391	11,839	535,739	15,216	15,007	5,001	2017-09-13 13:09
80,833	55,612	1,605	1,607	35844,179	35584,924	271,928	12,053	535,739	15,079	14,586	4,930	2017-09-13 13:09
81,000	55,579	1,608	1,606	35846,357	35662,640	226,458	12,213	535,739	14,612	14,591	4,931	2017-09-13 13:09
81,167	55,490	1,606	1,609	35916,969	35554,838	227,069	12,540	535,740	15,005	14,986	4,998	2017-09-13 13:09
81,333	55,457	1,606	1,607	35998,708	35805,804	195,837	12,471	535,646	15,097	14,899	4,983	2017-09-13 13:09
81,500	55,453	1,609	1,607	35905,447	35919,890	210,090	12,587	535,646	15,655	15,364	5,060	2017-09-13 13:09
81,667	55,454	1,609	1,609	35958,202	35937,549	207,588	12,800	535,646	15,204	14,995	4,999	2017-09-13 13:10
81,833	55,459	1,610	1,608	36079,757	36465,739	232,715	12,306	535,552	15,000	14,973	4,995	2017-09-13 13:10
82,000	55,463	1,618	1,609	36234,913	35650,158	222,021	12,369	535,552	15,506	15,177	5,029	2017-09-13 13:10
82,167	55,482	1,608	1,608	36030,703	35811,255	198,759	12,473	535,552	15,111	14,558	4,926	2017-09-13 13:10
82,333	55,479	1,606	1,607	35861,270	34854,025	228,317	12,541	535,552	14,931	15,196	5,033	2017-09-13 13:10
82,500	55,477	1,607	1,607	35787,470	35262,415	203,950	12,751	535,552	15,160	14,720	4,953	2017-09-13 13:10
82,667	55,485	1,605	1,606	35819,487	35810,997	214,679	12,807	535,459	14,637	15,165	5,027	2017-09-13 13:11
82,833	55,481	1,605	1,609	35861,767	35813,828	224,529	12,393	535,460	14,812	15,593	5,098	2017-09-13 13:11
83,000	55,441	1,607	1,606	35941,763	35557,387	177,176	12,257	535,460	14,804	15,252	5,042	2017-09-13 13:11
83,167	55,431	1,612	1,607	35947,450	35622,236	205,111	12,201	535,317	14,961	15,317	5,053	2017-09-13 13:11
83,333	55,442	1,610	1,609	36029,377	35909,556	190,994	12,760	535,317	14,845	15,275	5,046	2017-09-13 13:11
83,500	55,431	1,608	1,608	36074,944	35945,499	223,070	12,441	535,317	15,143	15,162	5,027	2017-09-13 13:11
83,667	55,425	1,619	1,607	36262,008	36551,397	209,440	12,233	535,317	15,148	14,565	4,927	2017-09-13 13:12
83,833	55,433	1,611	1,607	36036,033	35587,965	224,759	11,918	535,317	15,005	15,252	5,042	2017-09-13 13:12
84,000	55,441	1,608	1,608	35846,377	35582,854	207,150	12,191	535,317	14,619	14,869	4,978	2017-09-13 13:12
84,167	55,449	1,607	1,606	35694,893	35951,183	182,423	12,148	535,223	14,829	14,910	4,985	2017-09-13 13:12
84,333	55,446	1,606	1,608	35811,502	35773,331	229,797	12,163	535,223	14,308	15,217	5,036	2017-09-13 13:12
84,500	55,454	1,607	1,605	35903,990	35771,775	220,961	12,297	535,223	15,166	14,928	4,988	2017-09-13 13:12
84,667	55,462	1,606	1,608	35924,414	35876,595	171,933	12,576	535,223	15,301	15,441	5,073	2017-09-13 13:13
84,834	55,435	1,607	1,605	35813,667	35614,783	180,324	12,380	535,129	14,747	15,383	5,063	2017-09-13 13:13
85,000	55,425	1,616	1,608	35908,836	36424,901	189,333	12,198	535,129	15,133	14,749	4,958	2017-09-13 13:13
85,167	55,425	1,611	1,608	36031,242	35955,012	224,547	12,332	535,129	14,717	15,426	5,071	2017-09-13 13:13
85,334	55,419	1,608	1,606	35877,059	36168,051	183,135	12,995	535,130	15,414	15,136	5,023	2017-09-13 13:13
85,500	55,426	1,609	1,607	35896,188	35589,181	185,157	12,721	535,036	14,870	14,982	4,997	2017-09-13 13:13
85,667	55,421	1,608	1,609	35882,195	36168,992	229,095	12,354	535,129	14,818	15,147	5,024	2017-09-13 13:14

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
85,834	0,230	0,681	0,654	0,369	0,383	142,762	20,057	14,065	21,481	21,888	20,525	20,659	20,841	20,260	81,504	62,133	74,843
86,000	0,230	0,683	0,654	0,374	0,379	142,716	20,047	15,096	21,481	21,881	20,521	20,631	20,850	20,257	81,548	62,133	74,846
86,167	0,229	0,694	0,654	0,379	0,372	142,568	20,060	14,772	21,471	21,884	20,538	20,638	20,850	20,252	81,656	62,126	74,867
86,334	0,235	0,674	0,653	0,377	0,367	142,562	20,033	13,065	21,486	21,888	20,540	20,632	20,843	20,260	81,591	62,099	74,867
86,500	0,234	0,675	0,653	0,372	0,385	142,664	20,073	17,930	21,540	21,937	20,565	20,693	20,901	20,302	81,608	62,160	74,838
86,667	0,231	0,702	0,653	0,371	0,382	142,571	20,036	22,032	21,507	21,912	20,568	20,659	20,872	20,278	81,535	62,100	74,847
86,834	0,233	0,695	0,653	0,373	0,370	142,622	19,995	18,385	21,482	21,898	20,514	20,638	20,864	20,261	81,573	62,117	74,835
87,000	0,238	0,686	0,653	0,373	0,368	142,557	19,936	23,022	21,499	21,898	20,533	20,632	20,844	20,262	81,423	62,122	74,842
87,167	0,231	0,691	0,653	0,373	0,365	142,572	19,886	21,248	21,516	21,918	20,560	20,660	20,873	20,277	81,563	62,153	74,781
87,334	0,231	0,696	0,653	0,380	0,376	142,638	19,928	18,049	21,516	21,914	20,572	20,660	20,885	20,283	81,122	62,169	74,832
87,500	0,236	0,686	0,653	0,363	0,376	142,524	19,884	22,454	21,487	21,888	20,545	20,648	20,870	20,270	81,541	62,181	74,773
87,667	0,234	0,665	0,657	0,370	0,368	142,592	19,926	26,932	21,481	21,902	20,536	20,655	20,865	20,261	81,648	62,177	74,812
87,833	0,232	0,676	0,655	0,377	0,375	142,599	19,885	28,988	21,498	21,903	20,532	20,642	20,858	20,257	81,467	62,197	74,826
88,000	0,227	0,698	0,611	0,372	0,368	142,592	19,926	30,942	21,504	21,934	20,540	20,655	20,878	20,272	81,405	62,188	74,812
88,167	0,225	0,696	0,643	0,368	0,371	142,711	19,810	29,807	21,504	21,924	20,537	20,647	20,865	20,261	81,286	62,187	74,797
88,333	0,228	0,690	0,650	0,376	0,376	142,694	19,878	24,502	21,512	21,905	20,532	20,640	20,853	20,258	81,924	62,211	74,804
88,500	0,232	0,706	0,610	0,380	0,374	142,638	19,922	20,396	21,500	21,913	20,542	20,643	20,875	20,262	81,281	62,139	74,827
88,667	0,238	0,698	0,610	0,369	0,365	142,574	19,937	18,972	21,493	21,910	20,546	20,634	20,883	20,266	81,358	62,153	74,749
88,833	0,233	0,677	0,617	0,368	0,367	142,693	19,991	24,308	21,495	21,906	20,557	20,643	20,878	20,265	81,697	62,143	74,740
89,000	0,234	0,680	0,651	0,368	0,363	142,713	19,984	26,772	21,508	21,914	20,541	20,633	20,873	20,265	81,342	62,174	74,861
89,167	0,235	0,694	0,651	0,365	0,376	142,745	19,994	25,901	21,517	21,935	20,542	20,635	20,870	20,266	81,352	62,215	74,842
89,333	0,231	0,693	0,651	0,382	0,379	142,763	19,892	24,513	21,509	21,920	20,544	20,640	20,878	20,260	81,398	62,212	74,772
89,500	0,234	0,681	0,651	0,377	0,369	142,596	19,921	23,121	21,503	21,918	20,542	20,657	20,890	20,262	81,348	62,200	74,796
89,667	0,234	0,675	0,650	0,379	0,362	142,547	19,939	17,041	21,507	21,922	20,533	20,627	20,874	20,258	81,235	62,199	74,738
89,833	0,231	0,676	0,651	0,375	0,372	142,581	19,930	20,801	21,511	21,933	20,544	20,632	20,883	20,260	81,315	62,182	74,673
90,000	0,235	0,678	0,650	0,380	0,380	142,636	19,932	24,908	21,507	21,939	20,523	20,631	20,883	20,258	81,504	62,153	74,724
90,167	0,231	0,675	0,650	0,370	0,381	142,644	19,942	17,992	21,516	21,948	20,545	20,634	20,900	20,265	81,477	62,187	74,813
90,333	0,229	0,692	0,650	0,374	0,377	142,679	19,939	20,881	21,532	21,961	20,533	20,635	20,913	20,264	81,439	62,201	74,862
90,500	0,226	0,692	0,650	0,377	0,369	142,641	19,948	24,155	21,537	21,958	20,536	20,652	20,887	20,261	81,401	62,176	74,757
90,667	0,232	0,699	0,650	0,380	0,375	142,792	19,952	26,698	21,551	21,970	20,531	20,646	20,908	20,266	81,451	62,153	74,639
90,833	0,234	0,705	0,650	0,367	0,380	142,792	19,957	20,711	21,537	21,982	20,544	20,647	20,900	20,269	81,427	62,118	74,699
91,000	0,236	0,706	0,650	0,360	0,366	142,901	19,942	23,090	21,538	21,975	20,545	20,640	20,899	20,262	81,639	62,158	74,769
91,167	0,239	0,700	0,650	0,371	0,378	142,931	19,956	19,716	21,544	21,983	20,549	20,640	20,921	20,268	81,543	62,193	74,826
91,334	0,229	0,687	0,650	0,364	0,370	142,970	19,930	23,361	21,537	21,970	20,550	20,650	20,904	20,268	81,404	62,231	74,898
91,500	0,233	0,688	0,649	0,386	0,363	142,830	19,970	23,436	21,521	21,975	20,554	20,643	20,900	20,262	81,149	62,208	74,846
91,667	0,233	0,669	0,650	0,385	0,381	142,809	20,005	18,839	21,533	21,987	20,558	20,655	20,917	20,275	81,514	62,293	74,884
91,834	0,236	0,676	0,649	0,384	0,373	142,800	19,961	23,138	21,532	21,995	20,535	20,639	20,913	20,270	81,424	62,274	74,865

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
85,834	55,429	1,610	1,609	35804,678	35640,683	196,570	12,024	535,036	14,755	15,311	5,051	2017-09-13 13:14
86,000	55,441	1,611	1,611	35828,516	35750,671	194,170	12,063	535,036	14,960	15,154	5,026	2017-09-13 13:14
86,167	55,441	1,608	1,609	35818,786	35898,664	188,499	12,341	535,036	15,146	14,885	4,981	2017-09-13 13:14
86,334	55,438	1,613	1,610	35852,412	35927,155	229,116	11,842	534,942	15,099	14,665	4,944	2017-09-13 13:14
86,500	55,417	1,614	1,609	35800,983	35880,073	218,689	11,871	534,942	14,882	15,395	5,065	2017-09-13 13:14
86,667	55,422	1,606	1,609	35813,420	35662,129	200,028	12,540	534,942	14,851	15,282	5,047	2017-09-13 13:15
86,834	55,474	1,608	1,609	35687,514	35752,942	216,722	12,370	534,942	14,905	14,793	4,965	2017-09-13 13:15
87,000	55,524	1,607	1,606	35551,495	35451,605	245,918	12,144	534,848	14,918	14,739	4,956	2017-09-13 13:15
87,167	55,530	1,606	1,609	35487,356	35627,221	200,219	12,286	534,942	14,934	14,609	4,934	2017-09-13 13:15
87,334	55,542	1,609	1,608	35547,220	34845,628	201,918	12,390	534,848	15,204	15,051	5,008	2017-09-13 13:15
87,500	55,559	1,608	1,608	35398,649	35584,997	229,776	12,143	534,848	14,532	15,039	5,006	2017-09-13 13:15
87,667	55,560	1,606	1,607	35456,623	35737,398	222,448	11,629	535,744	14,798	14,705	4,951	2017-09-13 13:16
87,833	55,567	1,611	1,609	35505,213	35482,590	206,921	11,897	535,317	15,095	15,000	5,000	2017-09-13 13:16
88,000	55,564	1,609	1,609	35484,624	35340,401	175,692	12,457	527,022	14,870	14,731	4,955	2017-09-13 13:16
88,167	55,525	1,615	1,608	35513,316	35248,206	163,334	12,391	533,025	14,725	14,839	4,973	2017-09-13 13:16
88,333	55,502	1,611	1,610	35610,705	36298,947	183,649	12,254	534,427	15,037	15,056	5,009	2017-09-13 13:16
88,500	55,501	1,608	1,610	35645,032	35179,123	210,493	12,657	526,928	15,185	14,959	4,993	2017-09-13 13:16
88,667	55,520	1,608	1,609	35455,727	35294,487	244,250	12,462	526,928	14,776	14,602	4,933	2017-09-13 13:17
88,833	55,550	1,610	1,609	35374,567	35971,069	212,803	11,933	528,242	14,720	14,666	4,944	2017-09-13 13:17
89,000	55,561	1,607	1,610	35599,463	35196,409	221,232	11,993	534,615	14,723	14,513	4,918	2017-09-13 13:17
89,167	55,569	1,608	1,608	35503,129	35174,586	223,925	12,356	534,521	14,586	15,026	5,004	2017-09-13 13:17
89,333	55,576	1,611	1,607	35345,108	35326,789	204,423	12,335	534,521	15,287	15,172	5,029	2017-09-13 13:17
89,500	55,579	1,610	1,607	35393,210	35226,151	220,774	12,018	534,521	15,099	14,761	4,960	2017-09-13 13:17
89,667	55,585	1,605	1,609	35304,824	34921,344	220,336	11,874	534,427	15,174	14,468	4,911	2017-09-13 13:18
89,833	55,577	1,607	1,607	35166,260	35135,851	201,063	11,904	534,521	15,009	14,864	4,977	2017-09-13 13:18
90,000	55,567	1,608	1,607	35284,997	35568,339	225,808	11,942	534,427	15,191	15,186	5,031	2017-09-13 13:18
90,167	55,557	1,609	1,609	35500,931	35481,489	198,551	11,864	534,428	14,797	15,235	5,039	2017-09-13 13:18
90,333	55,557	1,605	1,608	35580,224	35290,155	190,785	12,306	534,427	14,973	15,081	5,013	2017-09-13 13:18
90,500	55,560	1,604	1,608	35366,291	35252,608	169,004	12,311	534,334	15,084	14,751	4,958	2017-09-13 13:18
90,667	55,563	1,602	1,608	35156,127	35339,685	206,494	12,472	534,335	15,199	15,015	5,002	2017-09-13 13:19
90,833	55,585	1,603	1,607	35205,522	35367,909	220,280	12,621	534,335	14,679	15,203	5,034	2017-09-13 13:19
91,000	55,592	1,605	1,608	35340,009	35739,279	234,425	12,649	534,335	14,396	14,656	4,942	2017-09-13 13:19
91,167	55,595	1,606	1,608	35433,475	35515,218	252,464	12,496	534,335	14,851	15,126	5,021	2017-09-13 13:19
91,334	55,600	1,606	1,608	35554,921	35184,223	186,234	12,176	534,334	14,573	14,817	4,969	2017-09-13 13:19
91,500	55,611	1,608	1,607	35410,485	34816,283	216,587	12,192	534,240	15,425	14,520	4,919	2017-09-13 13:19
91,667	55,616	1,618	1,606	35455,732	35547,306	216,410	11,729	534,334	15,397	15,244	5,040	2017-09-13 13:20
91,834	55,611	1,607	1,606	35424,504	35160,713	230,822	11,904	534,239	15,344	14,912	4,985	2017-09-13 13:20

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
92,000	0,235	0,681	0,649	0,378	0,382	142,791	20,023	20,924	21,563	22,003	20,557	20,658	20,930	20,277	81,311	62,246	74,858
92,167	0,227	0,691	0,649	0,374	0,383	142,745	20,024	23,708	21,553	21,995	20,561	20,640	20,917	20,270	81,564	62,266	74,867
92,334	0,238	0,684	0,649	0,377	0,368	142,718	19,964	21,954	21,529	22,009	20,553	20,642	20,926	20,268	81,412	62,250	74,866
92,500	0,239	0,681	0,649	0,379	0,381	142,741	19,946	14,734	21,542	22,007	20,550	20,656	20,926	20,270	81,740	62,255	74,871
92,667	0,239	0,676	0,649	0,383	0,377	142,713	19,925	22,382	21,563	22,026	20,564	20,661	20,936	20,273	81,550	62,223	74,888
92,834	0,239	0,682	0,648	0,387	0,389	142,766	19,922	27,942	21,555	22,028	20,557	20,667	20,946	20,277	81,496	62,205	74,885
93,000	0,240	0,683	0,648	0,385	0,376	142,804	19,877	24,219	21,581	22,042	20,564	20,667	20,928	20,273	81,535	62,209	74,839
93,167	0,235	0,700	0,648	0,386	0,376	142,762	19,871	22,159	21,580	22,043	20,556	20,648	20,939	20,269	81,312	62,161	74,782
93,334	0,236	0,716	0,648	0,368	0,390	142,805	19,928	24,491	21,592	22,059	20,575	20,668	20,945	20,275	81,432	62,138	74,749
93,500	0,234	0,712	0,648	0,391	0,372	142,849	19,900	27,473	21,579	22,037	20,560	20,654	20,936	20,270	81,550	62,143	74,792
93,667	0,227	0,701	0,648	0,379	0,377	142,882	19,921	31,059	21,587	22,043	20,575	20,665	20,958	20,270	81,548	62,181	74,844
93,834	0,234	0,687	0,648	0,368	0,373	143,020	19,933	28,553	21,587	22,071	20,560	20,672	20,940	20,275	81,493	62,201	74,894
94,000	0,242	0,696	0,648	0,380	0,370	143,126	19,953	18,840	21,595	22,084	20,561	20,677	20,954	20,282	81,749	62,199	74,893
94,167	0,232	0,715	0,648	0,378	0,367	143,169	19,956	20,903	21,600	22,077	20,549	20,652	20,960	20,272	81,501	62,170	74,871
94,333	0,239	0,733	0,647	0,372	0,381	143,075	19,921	23,151	21,602	22,068	20,533	20,664	20,949	20,269	81,660	62,168	74,916
94,500	0,238	0,737	0,647	0,378	0,378	143,219	19,942	18,215	21,601	22,073	20,575	20,658	20,962	20,275	81,868	62,224	74,961
94,667	0,237	0,721	0,647	0,386	0,371	143,267	19,948	21,981	21,613	22,081	20,561	20,655	20,955	20,273	81,945	62,205	75,000
94,833	0,234	0,734	0,647	0,373	0,376	143,164	19,935	18,581	21,604	22,082	20,562	20,665	20,970	20,278	81,691	62,205	75,044
95,000	0,254	0,725	0,647	0,376	0,376	143,033	19,935	21,094	21,602	22,059	20,556	20,656	20,977	20,275	81,793	62,221	75,061
95,167	0,229	0,684	0,647	0,375	0,363	143,107	19,932	20,740	21,584	22,066	20,542	20,666	20,980	20,283	82,097	62,219	75,050
95,333	0,231	0,684	0,646	0,378	0,381	143,038	19,929	21,779	21,589	22,076	20,573	20,665	20,971	20,279	81,961	62,226	75,106
95,500	0,236	0,680	0,647	0,380	0,371	142,961	19,969	17,323	21,582	22,077	20,566	20,673	20,970	20,275	81,760	62,223	75,073
95,667	0,239	0,677	0,647	0,384	0,381	142,987	19,984	21,533	21,589	22,066	20,564	20,660	20,977	20,282	82,041	62,240	75,098
95,833	0,233	0,680	0,646	0,362	0,361	142,818	20,009	26,155	21,579	22,072	20,577	20,673	20,984	20,286	81,903	62,243	75,159
96,000	0,236	0,674	0,646	0,384	0,373	142,741	19,939	23,745	21,587	22,065	20,562	20,672	20,983	20,278	81,651	62,238	75,051
96,167	0,240	0,658	0,646	0,377	0,366	142,597	19,963	22,039	21,570	22,073	20,568	20,660	20,979	20,278	81,699	62,212	74,994
96,333	0,237	0,661	0,646	0,377	0,383	142,519	20,000	20,316	21,588	22,092	20,583	20,668	20,991	20,282	81,427	62,234	74,955
96,500	0,231	0,678	0,646	0,379	0,380	142,569	19,986	14,316	21,605	22,131	20,568	20,673	20,977	20,282	81,506	62,205	74,915
96,667	0,235	0,688	0,646	0,370	0,377	142,653	20,019	19,498	21,618	22,114	20,574	20,684	21,002	20,283	81,294	62,185	74,874
96,833	0,230	0,698	0,646	0,378	0,373	142,612	19,992	16,166	21,613	22,110	20,579	20,673	20,992	20,281	81,159	62,150	74,738
97,000	0,234	0,708	0,646	0,374	0,383	142,573	20,014	19,775	21,614	22,102	20,561	20,662	21,006	20,283	81,351	62,102	74,754
97,167	0,226	0,686	0,646	0,367	0,377	142,653	20,007	19,874	21,609	22,113	20,579	20,689	21,010	20,289	81,423	62,123	74,785
97,333	0,234	0,683	0,645	0,375	0,375	142,623	20,000	18,362	21,625	22,123	20,581	20,683	21,005	20,287	81,473	62,138	74,817
97,500	0,241	0,705	0,645	0,373	0,372	142,464	19,998	15,954	21,642	22,135	20,569	20,701	21,006	20,294	81,540	62,127	74,826
97,667	0,228	0,712	0,645	0,372	0,389	142,430	19,958	12,926	21,623	22,126	20,582	20,681	21,022	20,283	81,540	62,208	74,923
97,833	0,230	0,697	0,645	0,384	0,367	142,432	19,971	17,391	21,633	22,120	20,570	20,685	21,015	20,286	81,425	62,191	74,853
98,000	0,231	0,701	0,645	0,372	0,382	142,436	19,957	18,293	21,634	22,134	20,581	20,689	21,033	20,293	81,336	62,152	74,723

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
92,000	55,608	1,608	1,607	35451,729	35036,707	226,458	12,018	534,239	15,134	15,279	5,046	2017-09-13 13:20
92,167	55,600	1,608	1,606	35459,858	35474,140	178,027	12,265	534,146	14,958	15,336	5,056	2017-09-13 13:20
92,334	55,607	1,607	1,607	35462,260	35183,263	244,674	12,105	534,146	15,096	14,740	4,956	2017-09-13 13:20
92,500	55,563	1,605	1,604	35497,967	35747,365	250,570	12,013	534,146	15,143	15,220	5,037	2017-09-13 13:20
92,667	55,513	1,606	1,607	35684,607	35483,693	253,486	11,904	534,146	15,326	15,082	5,014	2017-09-13 13:21
92,834	55,497	1,616	1,604	35642,360	35616,307	249,101	12,055	534,052	15,467	15,571	5,094	2017-09-13 13:21
93,000	55,497	1,610	1,604	35558,579	35558,266	255,056	12,084	534,065	15,388	15,032	5,005	2017-09-13 13:21
93,167	55,500	1,609	1,607	35515,121	35221,914	226,882	12,491	534,052	15,431	15,059	5,010	2017-09-13 13:21
93,334	55,508	1,605	1,609	35468,411	35402,995	234,828	12,892	534,052	14,730	15,610	5,101	2017-09-13 13:21
93,500	55,530	1,610	1,606	35440,007	35702,597	218,814	12,806	534,052	15,648	14,868	4,978	2017-09-13 13:21
93,667	55,532	1,608	1,605	35515,691	35595,235	179,445	12,535	533,959	15,165	15,091	5,015	2017-09-13 13:22
93,834	55,528	1,605	1,605	35617,361	35388,861	218,251	12,170	533,959	14,731	14,907	4,984	2017-09-13 13:22
94,000	55,524	1,606	1,605	35632,777	35883,749	267,081	12,395	533,960	15,215	14,813	4,969	2017-09-13 13:22
94,167	55,517	1,605	1,605	35599,778	35460,193	210,350	12,881	533,960	15,114	14,666	4,944	2017-09-13 13:22
94,333	55,497	1,607	1,606	35736,761	35808,166	252,447	13,328	533,817	14,894	15,224	5,037	2017-09-13 13:22
94,500	55,482	1,613	1,608	35889,072	36208,240	247,179	13,430	533,817	15,107	15,123	5,020	2017-09-13 13:22
94,667	55,467	1,608	1,607	35976,748	36284,876	236,874	13,028	533,817	15,451	14,827	4,971	2017-09-13 13:23
94,833	55,458	1,607	1,607	36071,336	35779,607	220,923	13,347	533,724	14,933	15,024	5,004	2017-09-13 13:23
95,000	55,450	1,610	1,606	36086,453	36003,405	345,712	13,120	533,723	15,037	15,030	5,005	2017-09-13 13:23
95,167	55,463	1,608	1,607	36063,672	36535,692	186,616	12,088	533,724	15,014	14,527	4,921	2017-09-13 13:23
95,333	55,478	1,605	1,606	36115,968	36207,028	198,853	12,101	533,656	15,131	15,230	5,038	2017-09-13 13:23
95,500	55,477	1,604	1,606	36059,102	35807,835	230,422	12,004	533,724	15,207	14,846	4,974	2017-09-13 13:23
95,667	55,474	1,607	1,604	36076,755	36358,901	251,800	11,934	533,723	15,376	15,223	5,037	2017-09-13 13:24
95,833	55,484	1,608	1,607	36241,421	36139,843	214,669	12,007	533,630	14,487	14,429	4,904	2017-09-13 13:24
96,000	55,477	1,608	1,607	36055,397	35677,480	234,192	11,850	533,630	15,352	14,915	4,986	2017-09-13 13:24
96,167	55,473	1,612	1,609	35985,616	35913,651	255,400	11,442	533,630	15,090	14,634	4,939	2017-09-13 13:24
96,333	55,481	1,609	1,607	35861,873	35302,576	237,809	11,537	533,536	15,060	15,317	5,053	2017-09-13 13:24
96,500	55,466	1,608	1,608	35827,921	35476,866	202,845	11,947	533,536	15,160	15,185	5,031	2017-09-13 13:24
96,667	55,451	1,607	1,606	35739,098	35086,896	228,747	12,196	533,536	14,796	15,062	5,010	2017-09-13 13:25
96,833	55,454	1,607	1,606	35489,066	34906,850	194,375	12,450	533,536	15,108	14,911	4,985	2017-09-13 13:25
97,000	55,463	1,607	1,607	35517,471	35345,729	220,794	12,712	533,536	14,947	15,305	5,051	2017-09-13 13:25
97,167	55,469	1,604	1,606	35556,482	35389,873	172,951	12,144	533,536	14,693	15,073	5,012	2017-09-13 13:25
97,333	55,489	1,604	1,605	35551,811	35451,056	217,949	12,075	533,443	14,998	15,002	5,000	2017-09-13 13:25
97,500	55,497	1,609	1,605	35551,068	35689,731	260,837	12,613	533,442	14,939	14,869	4,978	2017-09-13 13:25
97,667	55,484	1,617	1,606	35778,911	35720,878	182,012	12,796	533,442	14,868	15,547	5,090	2017-09-13 13:26
97,833	55,490	1,610	1,608	35682,463	35387,614	195,212	12,424	533,442	15,342	14,660	4,943	2017-09-13 13:26
98,000	55,493	1,606	1,606	35384,658	35223,467	203,992	12,518	533,349	14,891	15,270	5,045	2017-09-13 13:26

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
98,167	0,227	0,692	0,645	0,373	0,386	142,513	19,929	20,181	21,618	22,131	20,596	20,694	21,010	20,287	81,143	62,143	74,740
98,334	0,234	0,687	0,645	0,377	0,367	142,475	19,980	19,447	21,643	22,147	20,588	20,709	21,033	20,299	81,470	62,149	74,736
98,500	0,235	0,684	0,645	0,377	0,374	142,449	19,991	16,795	21,630	22,147	20,606	20,706	21,025	20,299	81,512	62,142	74,809
98,667	0,236	0,664	0,645	0,374	0,378	142,418	19,921	19,329	21,622	22,139	20,586	20,694	21,026	20,290	81,230	62,134	74,785
98,834	0,236	0,678	0,644	0,368	0,382	142,495	19,945	28,820	21,639	22,145	20,583	20,702	21,031	20,293	81,393	62,199	74,759
99,000	0,233	0,693	0,644	0,371	0,379	142,626	20,006	22,300	21,635	22,150	20,569	20,679	21,027	20,286	81,573	62,145	74,784
99,167	0,233	0,703	0,644	0,374	0,374	142,401	20,007	22,690	21,625	22,137	20,586	20,685	21,028	20,285	81,606	62,164	74,857
99,334	0,234	0,687	0,644	0,372	0,385	142,383	19,956	25,883	21,631	22,145	20,582	20,679	21,026	20,285	81,077	62,169	74,758
99,500	0,234	0,673	0,643	0,393	0,370	142,423	19,970	23,321	21,639	22,169	20,582	20,677	21,039	20,287	81,365	62,142	74,730
99,667	0,241	0,689	0,643	0,368	0,362	142,322	19,997	22,583	21,621	22,174	20,589	20,685	21,056	20,293	81,127	62,109	74,630
99,834	0,236	0,692	0,643	0,369	0,377	142,330	19,964	26,523	21,639	22,167	20,582	20,692	21,029	20,290	81,600	62,100	74,681
100,000	0,228	0,703	0,643	0,367	0,382	142,167	19,972	23,977	21,638	22,162	20,586	20,698	21,046	20,293	81,220	62,113	74,696
100,167	0,234	0,687	0,643	0,376	0,371	142,071	19,977	21,140	21,630	22,162	20,580	20,688	21,049	20,290	81,717	62,074	74,646
100,334	0,231	0,672	0,643	0,374	0,378	141,934	19,976	21,380	21,655	22,179	20,610	20,699	21,068	20,302	81,656	62,152	74,799
100,500	0,238	0,683	0,643	0,371	0,377	141,890	19,967	22,638	21,647	22,178	20,570	20,685	21,057	20,291	81,231	62,156	74,766
100,667	0,238	0,699	0,643	0,380	0,372	141,872	19,986	21,572	21,659	22,186	20,599	20,700	21,074	20,301	81,643	62,130	74,722
100,834	0,235	0,695	0,643	0,369	0,376	141,949	20,005	21,638	21,676	22,207	20,613	20,722	21,076	20,307	81,208	62,110	74,715
101,000	0,248	0,711	0,642	0,379	0,384	141,905	19,979	26,637	21,665	22,185	20,601	20,700	21,065	20,298	81,496	62,123	74,623
101,167	0,229	0,721	0,642	0,374	0,381	141,904	19,966	22,969	21,664	22,201	20,602	20,701	21,077	20,298	81,541	62,139	74,694
101,333	0,229	0,709	0,642	0,375	0,376	141,813	19,988	15,932	21,663	22,182	20,598	20,706	21,065	20,295	81,250	62,193	74,790
101,500	0,231	0,716	0,642	0,371	0,381	141,774	19,962	20,277	21,677	22,194	20,588	20,709	21,074	20,302	81,342	62,212	74,761
101,667	0,227	0,724	0,642	0,364	0,384	141,787	19,963	21,403	21,679	22,208	20,597	20,710	21,080	20,303	81,536	62,207	74,784
101,833	0,228	0,720	0,642	0,367	0,383	141,843	19,962	21,513	21,654	22,198	20,601	20,700	21,091	20,299	81,361	62,191	74,746
102,000	0,233	0,719	0,642	0,361	0,368	141,847	19,990	22,457	21,673	22,200	20,611	20,718	21,086	20,305	81,601	62,228	74,799
102,167	0,233	0,735	0,642	0,379	0,372	141,940	19,995	18,012	21,672	22,213	20,599	20,725	21,092	20,305	81,578	62,220	74,817
102,333	0,230	0,726	0,642	0,372	0,370	141,833	19,983	21,056	21,649	22,199	20,614	20,701	21,086	20,298	81,339	62,211	74,708
102,500	0,239	0,700	0,641	0,376	0,375	141,883	20,002	27,011	21,642	22,207	20,598	20,706	21,078	20,298	81,351	62,133	74,735
102,667	0,233	0,696	0,641	0,372	0,368	141,895	19,997	22,337	21,662	22,196	20,603	20,691	21,091	20,299	81,435	62,234	74,861
102,833	0,239	0,681	0,641	0,368	0,363	141,876	20,005	5,183	21,643	22,190	20,604	20,702	21,094	20,295	81,104	62,250	74,838
103,000	0,237	0,683	0,641	0,377	0,379	141,778	19,996	20,044	21,655	22,191	20,603	20,702	21,082	20,298	81,721	62,219	74,780
103,167	0,237	0,674	0,641	0,381	0,371	141,705	20,018	17,517	21,656	22,217	20,618	20,717	21,116	20,301	81,450	62,260	74,889
103,333	0,235	0,677	0,641	0,365	0,372	141,684	20,034	14,018	21,660	22,211	20,605	20,721	21,094	20,305	81,377	62,263	74,834
103,500	0,234	0,684	0,641	0,361	0,373	141,698	20,026	21,672	21,656	22,207	20,603	20,693	21,104	20,302	81,162	62,263	74,793
103,667	0,231	0,682	0,641	0,373	0,380	141,676	19,983	22,593	21,677	22,222	20,614	20,705	21,114	20,302	81,717	62,265	74,851
103,833	0,227	0,699	0,641	0,364	0,378	141,471	19,988	13,536	21,711	22,222	20,622	20,718	21,109	20,307	81,768	62,277	74,920
104,000	0,228	0,715	0,640	0,372	0,370	141,435	20,069	19,029	21,696	22,233	20,613	20,712	21,119	20,309	81,355	62,271	74,881
104,167	0,235	0,717	0,640	0,373	0,382	141,365	20,021	23,701	21,698	22,234	20,601	20,710	21,125	20,305	81,281	62,256	74,835

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
98,167	55,494	1,607	1,606	35418,330	34895,194	173,604	12,296	533,349	14,913	15,430	5,071	2017-09-13 13:26
98,334	55,496	1,608	1,607	35435,121	35506,887	222,883	12,167	533,349	15,068	14,698	4,949	2017-09-13 13:26
98,500	55,489	1,608	1,607	35587,033	35604,079	229,557	12,110	533,349	15,085	14,955	4,993	2017-09-13 13:26
98,667	55,478	1,608	1,606	35525,111	35094,626	233,782	11,603	533,349	14,967	15,120	5,020	2017-09-13 13:27
98,834	55,477	1,616	1,609	35551,991	35446,630	233,229	11,943	533,256	14,704	15,267	5,044	2017-09-13 13:27
99,000	55,481	1,610	1,606	35517,640	35740,219	213,654	12,326	533,256	14,850	15,163	5,027	2017-09-13 13:27
99,167	55,481	1,607	1,606	35652,046	35708,598	212,588	12,582	533,251	14,964	14,957	4,993	2017-09-13 13:27
99,334	55,478	1,608	1,606	35474,698	34753,738	222,247	12,165	533,255	14,864	15,409	5,068	2017-09-13 13:27
99,500	55,477	1,611	1,607	35456,086	35385,047	219,519	11,836	533,111	15,713	14,812	4,969	2017-09-13 13:27
99,667	55,481	1,611	1,606	35238,032	35018,722	265,424	12,237	533,111	14,713	14,461	4,909	2017-09-13 13:28
99,834	55,481	1,608	1,609	35401,217	35843,026	234,404	12,296	533,111	14,765	15,085	5,014	2017-09-13 13:28
100,000	55,485	1,608	1,607	35367,771	35106,421	182,402	12,581	533,111	14,667	15,287	5,048	2017-09-13 13:28
100,167	55,479	1,607	1,608	35312,636	36074,694	220,631	12,175	533,111	15,034	14,831	4,972	2017-09-13 13:28
100,334	55,485	1,613	1,607	35572,401	35962,970	199,600	11,795	533,111	14,979	15,115	5,019	2017-09-13 13:28
100,500	55,482	1,607	1,606	35495,331	35024,979	247,398	12,065	533,017	14,846	15,066	5,011	2017-09-13 13:28
100,667	55,490	1,608	1,607	35421,167	35866,305	243,225	12,478	533,017	15,195	14,885	4,981	2017-09-13 13:29
100,834	55,492	1,607	1,607	35388,798	35067,507	226,204	12,363	533,018	14,752	15,027	5,005	2017-09-13 13:29
101,000	55,561	1,610	1,607	35105,310	35638,336	309,108	12,776	532,923	15,171	15,344	5,057	2017-09-13 13:29
101,167	55,583	1,605	1,606	35163,835	35594,112	188,107	13,034	532,923	14,968	15,224	5,037	2017-09-13 13:29
101,333	55,579	1,607	1,606	35351,394	34991,308	189,538	12,730	532,923	15,010	15,034	5,006	2017-09-13 13:29
101,500	55,573	1,608	1,606	35304,601	35157,076	204,009	12,896	532,923	14,830	15,256	5,043	2017-09-13 13:29
101,667	55,579	1,610	1,607	35369,420	35559,490	178,528	13,099	532,830	14,563	15,353	5,058	2017-09-13 13:30
101,833	55,575	1,608	1,606	35279,468	35234,974	180,206	12,992	532,830	14,680	15,305	5,051	2017-09-13 13:30
102,000	55,565	1,609	1,607	35419,743	35634,357	212,438	12,984	532,830	14,441	14,704	4,950	2017-09-13 13:30
102,167	55,556	1,608	1,604	35410,138	35578,927	215,513	13,379	532,830	15,179	14,891	4,982	2017-09-13 13:30
102,333	55,550	1,609	1,610	35349,233	35165,300	198,127	13,153	532,830	14,884	14,814	4,969	2017-09-13 13:30
102,500	55,549	1,609	1,607	35328,944	35346,532	252,443	12,493	532,735	15,045	14,984	4,997	2017-09-13 13:30
102,667	55,564	1,617	1,606	35510,982	35489,103	214,884	12,393	532,735	14,862	14,702	4,950	2017-09-13 13:31
102,833	55,592	1,613	1,606	35414,427	34753,250	253,253	12,031	532,735	14,705	14,503	4,916	2017-09-13 13:31
103,000	55,612	1,606	1,605	35245,824	35806,560	236,117	12,085	532,679	15,065	15,160	5,027	2017-09-13 13:31
103,167	55,620	1,608	1,605	35440,811	35265,208	240,269	11,839	532,642	15,229	14,848	4,975	2017-09-13 13:31
103,333	55,627	1,609	1,606	35346,501	35149,712	224,317	11,919	532,642	14,593	14,889	4,981	2017-09-13 13:31
103,500	55,627	1,608	1,605	35258,610	34733,543	221,830	12,096	532,642	14,455	14,929	4,988	2017-09-13 13:31
103,667	55,621	1,609	1,605	35355,513	35765,784	202,581	12,038	532,642	14,934	15,199	5,033	2017-09-13 13:32
103,833	55,627	1,608	1,605	35477,281	35813,699	174,636	12,470	532,642	14,550	15,131	5,022	2017-09-13 13:32
104,000	55,568	1,607	1,606	35532,502	35047,132	180,015	12,866	532,548	14,878	14,809	4,968	2017-09-13 13:32
104,167	55,525	1,610	1,607	35554,649	35000,368	227,907	12,914	532,548	14,911	15,292	5,048	2017-09-13 13:32

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
104,333	0,240	0,704	0,640	0,380	0,374	141,285	20,033	23,395	21,673	22,237	20,607	20,702	21,112	20,299	81,551	62,207	74,873
104,500	0,236	0,698	0,640	0,364	0,373	141,287	20,048	26,079	21,703	22,228	20,620	20,720	21,128	20,307	81,560	62,201	74,913
104,667	0,235	0,710	0,640	0,371	0,374	141,257	20,054	22,917	21,692	22,223	20,617	20,724	21,136	20,314	81,695	62,184	74,896
104,833	0,230	0,692	0,640	0,367	0,381	141,056	20,058	18,122	21,685	22,224	20,618	20,726	21,136	20,313	81,416	62,240	74,889
105,000	0,229	0,681	0,640	0,378	0,369	140,970	20,030	22,022	21,688	22,237	20,622	20,728	21,147	20,317	81,726	62,238	74,903
105,167	0,231	0,670	0,640	0,378	0,367	140,893	20,049	25,514	21,717	22,259	20,632	20,735	21,135	20,319	81,575	62,247	74,867
105,334	0,230	0,692	0,640	0,376	0,372	140,935	20,020	18,608	21,723	22,249	20,618	20,743	21,137	20,318	81,323	62,240	74,843
105,500	0,232	0,704	0,639	0,362	0,374	141,000	20,030	14,730	21,724	22,255	20,615	20,729	21,141	20,307	80,934	62,231	74,788
105,667	0,230	0,716	0,639	0,368	0,378	141,045	20,021	22,583	21,718	22,255	20,602	20,710	21,135	20,303	81,393	62,208	74,716
105,834	0,237	0,724	0,639	0,366	0,388	141,067	20,088	17,441	21,726	22,260	20,619	20,725	21,136	20,307	81,597	62,193	74,723
106,000	0,228	0,717	0,639	0,370	0,376	141,058	20,116	19,487	21,728	22,258	20,627	20,742	21,157	20,315	81,352	62,211	74,813
106,167	0,227	0,709	0,639	0,367	0,382	141,105	20,046	24,327	21,732	22,256	20,628	20,729	21,142	20,306	81,767	62,201	74,843
106,334	0,233	0,722	0,639	0,358	0,373	141,183	20,094	15,754	21,743	22,256	20,627	20,730	21,150	20,311	81,563	62,182	74,840
106,500	0,226	0,736	0,639	0,367	0,376	141,082	20,082	17,325	21,706	22,255	20,619	20,734	21,148	20,311	81,836	62,203	74,878
106,667	0,229	0,695	0,639	0,372	0,380	141,079	20,068	18,120	21,709	22,247	20,632	20,742	21,167	20,319	81,704	62,216	74,934
106,834	0,229	0,679	0,639	0,370	0,378	141,075	20,090	18,232	21,696	22,253	20,643	20,754	21,168	20,321	81,475	62,217	74,889
107,000	0,236	0,672	0,638	0,367	0,386	140,970	20,084	24,783	21,698	22,247	20,622	20,743	21,160	20,318	81,531	62,235	74,931
107,167	0,235	0,663	0,638	0,373	0,363	140,892	20,075	19,223	21,706	22,254	20,623	20,729	21,158	20,310	81,586	62,221	74,885
107,334	0,235	0,667	0,638	0,375	0,372	140,825	20,086	14,767	21,727	22,267	20,638	20,734	21,167	20,318	81,373	62,188	74,834
107,500	0,238	0,685	0,638	0,379	0,379	140,794	20,116	19,720	21,748	22,291	20,657	20,758	21,189	20,335	81,394	62,234	74,840
107,667	0,233	0,683	0,638	0,379	0,370	140,674	20,081	26,436	21,723	22,264	20,651	20,749	21,167	20,319	81,481	62,215	74,800
107,833	0,236	0,674	0,638	0,379	0,372	140,708	20,078	20,323	21,743	22,283	20,635	20,743	21,189	20,329	81,296	62,191	74,753
108,000	0,231	0,690	0,638	0,355	0,367	140,830	20,064	16,594	21,757	22,288	20,642	20,750	21,177	20,325	81,126	62,182	74,685
108,167	0,233	0,700	0,638	0,367	0,377	140,830	20,096	16,971	21,778	22,296	20,642	20,762	21,187	20,326	81,081	62,131	74,642
108,333	0,235	0,718	0,638	0,358	0,374	140,901	20,066	14,414	21,769	22,301	20,622	20,742	21,194	20,315	80,873	62,142	74,673
108,500	0,235	0,740	0,638	0,380	0,367	140,948	20,056	13,582	21,770	22,297	20,637	20,731	21,176	20,311	81,367	62,113	74,604
108,667	0,240	0,750	0,637	0,367	0,367	140,952	20,067	16,781	21,786	22,301	20,635	20,743	21,186	20,313	81,455	62,115	74,681
108,833	0,236	0,753	0,637	0,372	0,374	141,045	20,094	24,499	21,786	22,308	20,634	20,753	21,204	20,325	81,424	62,168	74,790
109,000	0,226	0,743	0,637	0,381	0,372	141,030	20,060	22,335	21,752	22,283	20,652	20,747	21,198	20,322	81,416	62,165	74,777
109,167	0,226	0,701	0,637	0,368	0,383	141,044	20,054	18,991	21,745	22,276	20,631	20,751	21,198	20,322	81,289	62,181	74,780
109,333	0,233	0,668	0,637	0,371	0,380	141,083	20,051	20,806	21,732	22,284	20,649	20,742	21,182	20,321	81,593	62,184	74,842
109,500	0,234	0,665	0,637	0,368	0,384	141,173	20,070	25,623	21,759	22,297	20,652	20,760	21,192	20,327	81,456	62,196	74,835
109,667	0,230	0,699	0,637	0,378	0,379	141,121	20,075	22,126	21,768	22,313	20,649	20,760	21,209	20,323	81,600	62,213	74,880
109,833	0,237	0,723	0,636	0,371	0,382	141,210	20,066	20,623	21,768	22,308	20,661	20,747	21,207	20,323	81,546	62,193	74,890
110,000	0,245	0,729	0,636	0,374	0,367	141,213	20,042	22,970	21,777	22,305	20,643	20,766	21,204	20,325	81,533	62,200	74,896
110,167	0,237	0,710	0,636	0,377	0,378	141,249	20,050	22,700	21,786	22,325	20,651	20,762	21,217	20,333	81,528	62,182	74,824
110,333	0,238	0,715	0,636	0,360	0,371	141,257	19,999	18,522	21,781	22,321	20,659	20,761	21,226	20,331	81,442	62,160	74,793

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
104,333	55,516	1,610	1,609	35684,371	35585,470	258,478	12,609	532,548	15,218	14,956	4,993	2017-09-13 13:32
104,500	55,524	1,608	1,606	35682,066	35581,033	230,002	12,443	532,548	14,568	14,906	4,984	2017-09-13 13:32
104,667	55,538	1,611	1,606	35618,764	35931,275	225,825	12,747	532,548	14,823	14,978	4,996	2017-09-13 13:33
104,833	55,549	1,616	1,607	35624,130	35407,800	194,587	12,305	532,456	14,669	15,245	5,041	2017-09-13 13:33
105,000	55,557	1,611	1,606	35596,073	35888,203	191,407	12,021	532,455	15,130	14,754	4,959	2017-09-13 13:33
105,167	55,572	1,613	1,607	35534,937	35620,613	204,649	11,742	532,456	15,121	14,677	4,946	2017-09-13 13:33
105,334	55,567	1,607	1,607	35503,608	35047,006	193,516	12,311	532,455	15,029	14,885	4,981	2017-09-13 13:33
105,500	55,559	1,613	1,606	35380,938	34482,633	209,888	12,601	532,313	14,467	14,975	4,996	2017-09-13 13:33
105,667	55,556	1,608	1,606	35258,917	35250,835	193,318	12,890	532,313	14,713	15,137	5,023	2017-09-13 13:34
105,834	55,533	1,606	1,606	35308,703	35615,886	236,739	13,100	532,313	14,643	15,524	5,087	2017-09-13 13:34
106,000	55,512	1,610	1,606	35515,214	35212,240	181,140	12,930	532,313	14,807	15,050	5,008	2017-09-13 13:34
106,167	55,497	1,607	1,606	35603,681	35929,695	175,064	12,735	532,219	14,695	15,285	5,047	2017-09-13 13:34
106,334	55,505	1,607	1,604	35545,354	35586,040	216,872	13,054	532,219	14,325	14,902	4,984	2017-09-13 13:34
106,500	55,514	1,608	1,604	35581,630	36073,279	170,439	13,396	532,313	14,678	15,043	5,007	2017-09-13 13:34
106,667	55,513	1,609	1,607	35752,551	35829,977	189,476	12,383	532,219	14,891	15,220	5,037	2017-09-13 13:35
106,834	55,521	1,610	1,606	35637,246	35424,820	191,206	11,978	532,219	14,796	15,117	5,019	2017-09-13 13:35
107,000	55,522	1,610	1,607	35747,700	35497,864	234,188	11,802	532,126	14,674	15,439	5,073	2017-09-13 13:35
107,167	55,528	1,610	1,606	35618,735	35621,324	226,003	11,572	532,126	14,919	14,534	4,922	2017-09-13 13:35
107,334	55,526	1,607	1,606	35523,847	35224,510	225,172	11,675	532,126	14,988	14,863	4,977	2017-09-13 13:35
107,500	55,524	1,613	1,609	35613,081	35316,524	247,808	12,121	532,126	15,142	15,164	5,027	2017-09-13 13:35
107,667	55,501	1,614	1,607	35549,191	35538,697	214,766	12,070	532,070	15,146	14,799	4,966	2017-09-13 13:36
107,833	55,494	1,610	1,606	35436,283	35151,420	230,099	11,856	532,032	15,176	14,872	4,979	2017-09-13 13:36
108,000	55,486	1,611	1,604	35298,297	34880,121	201,466	12,251	532,032	14,200	14,692	4,948	2017-09-13 13:36
108,167	55,478	1,608	1,604	35223,914	34820,932	214,189	12,499	532,032	14,688	15,078	5,013	2017-09-13 13:36
108,333	55,482	1,611	1,607	35347,827	34494,269	224,700	12,961	532,032	14,334	14,945	4,991	2017-09-13 13:36
108,500	55,484	1,608	1,604	35148,507	35394,859	226,437	13,490	532,032	15,218	14,683	4,947	2017-09-13 13:36
108,667	55,482	1,607	1,607	35357,830	35513,375	256,408	13,752	531,938	14,665	14,691	4,948	2017-09-13 13:37
108,833	55,493	1,611	1,606	35509,918	35462,820	231,805	13,827	531,938	14,866	14,953	4,992	2017-09-13 13:37
109,000	55,502	1,609	1,607	35497,426	35403,272	168,181	13,578	531,938	15,226	14,873	4,979	2017-09-13 13:37
109,167	55,496	1,608	1,606	35487,785	35118,804	169,824	12,515	531,937	14,714	15,331	5,055	2017-09-13 13:37
109,333	55,489	1,611	1,604	35577,701	35736,487	211,142	11,711	531,844	14,835	15,207	5,034	2017-09-13 13:37
109,500	55,492	1,608	1,606	35592,349	35397,414	222,889	11,630	531,844	14,720	15,341	5,057	2017-09-13 13:37
109,667	55,475	1,611	1,606	35712,144	35701,606	197,095	12,486	531,845	15,139	15,157	5,026	2017-09-13 13:38
109,833	55,474	1,608	1,604	35691,700	35554,216	239,629	13,070	531,751	14,840	15,293	5,049	2017-09-13 13:38
110,000	55,463	1,608	1,606	35765,775	35536,551	290,370	13,220	531,751	14,975	14,682	4,947	2017-09-13 13:38
110,167	55,462	1,608	1,606	35622,961	35563,648	240,286	12,756	531,751	15,069	15,103	5,017	2017-09-13 13:38
110,333	55,459	1,610	1,607	35609,710	35471,382	245,741	12,868	531,751	14,407	14,836	4,973	2017-09-13 13:38

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
110,500	0,232	0,704	0,636	0,378	0,373	141,263	20,023	24,952	21,778	22,329	20,660	20,766	21,233	20,335	81,563	62,156	74,804
110,667	0,233	0,710	0,635	0,363	0,384	141,301	20,053	26,595	21,774	22,310	20,668	20,761	21,221	20,330	81,990	62,178	74,911
110,833	0,226	0,714	0,636	0,374	0,372	141,279	20,068	17,644	21,759	22,296	20,635	20,759	21,229	20,323	81,590	62,191	74,951
111,000	0,232	0,710	0,635	0,366	0,370	141,117	20,096	14,540	21,764	22,300	20,664	20,776	21,249	20,329	81,556	62,168	74,830
111,167	0,230	0,697	0,635	0,375	0,378	141,090	20,083	14,378	21,755	22,292	20,646	20,774	21,224	20,330	81,574	62,168	74,884
111,333	0,226	0,686	0,635	0,377	0,372	141,025	20,101	19,455	21,779	22,325	20,676	20,779	21,253	20,347	81,277	62,157	74,813
111,500	0,227	0,697	0,635	0,373	0,375	141,031	20,089	28,051	21,765	22,295	20,647	20,777	21,226	20,326	81,433	62,221	74,835
111,667	0,230	0,701	0,635	0,363	0,377	140,990	20,032	22,490	21,763	22,305	20,656	20,755	21,234	20,327	81,655	62,157	74,817
111,834	0,231	0,701	0,635	0,363	0,382	141,071	20,071	15,395	21,757	22,304	20,657	20,780	21,238	20,330	81,446	62,170	74,866
112,000	0,227	0,705	0,635	0,376	0,373	141,077	20,066	18,320	21,780	22,333	20,680	20,770	21,248	20,339	81,620	62,203	74,874
112,167	0,230	0,706	0,634	0,378	0,379	140,998	20,093	19,202	21,761	22,316	20,669	20,762	21,250	20,337	81,363	62,182	74,858
112,334	0,223	0,708	0,634	0,376	0,382	140,955	20,125	20,340	21,767	22,321	20,655	20,774	21,257	20,339	81,751	62,172	74,803
112,500	0,223	0,698	0,634	0,372	0,386	141,002	20,121	18,040	21,762	22,305	20,671	20,782	21,257	20,339	81,338	62,149	74,849
112,667	0,227	0,710	0,635	0,370	0,385	140,939	20,098	20,532	21,757	22,331	20,655	20,770	21,251	20,331	81,539	62,161	74,812
112,834	0,223	0,712	0,634	0,375	0,373	140,924	20,123	25,765	21,789	22,333	20,671	20,775	21,254	20,339	81,420	62,156	74,784
113,000	0,232	0,730	0,634	0,367	0,371	141,015	20,144	23,875	21,798	22,329	20,677	20,792	21,251	20,338	81,602	62,172	74,773
113,167	0,238	0,732	0,634	0,370	0,382	141,120	20,177	18,775	21,815	22,347	20,670	20,787	21,271	20,350	81,610	62,173	74,915
113,334	0,227	0,731	0,634	0,378	0,377	141,153	20,155	18,024	21,795	22,334	20,663	20,771	21,249	20,331	81,514	62,209	74,905
113,500	0,259	0,734	0,634	0,361	0,369	141,091	20,083	17,753	21,794	22,340	20,677	20,787	21,261	20,338	81,478	62,200	74,970
113,667	0,239	0,727	0,633	0,375	0,381	141,087	20,093	22,060	21,786	22,331	20,673	20,775	21,267	20,333	81,832	62,193	74,939
113,834	0,233	0,724	0,633	0,369	0,380	141,150	20,134	22,351	21,809	22,342	20,693	20,790	21,292	20,353	81,674	62,193	74,955
114,000	0,223	0,715	0,633	0,367	0,380	140,963	20,137	18,881	21,786	22,338	20,682	20,793	21,278	20,343	81,648	62,211	74,917
114,167	0,224	0,717	0,633	0,356	0,382	140,892	20,140	22,018	21,775	22,318	20,675	20,780	21,274	20,339	81,637	62,178	74,881
114,334	0,229	0,685	0,633	0,371	0,374	140,756	20,142	19,236	21,767	22,318	20,661	20,782	21,293	20,342	81,616	62,208	74,975
114,500	0,230	0,672	0,633	0,368	0,375	140,671	20,135	20,257	21,756	22,330	20,669	20,777	21,288	20,347	81,566	62,211	74,889
114,667	0,238	0,651	0,633	0,371	0,373	140,503	20,159	24,185	21,780	22,343	20,685	20,797	21,287	20,349	81,485	62,207	74,928
114,833	0,235	0,656	0,633	0,376	0,381	140,580	20,150	23,754	21,847	22,362	20,681	20,782	21,304	20,351	81,330	62,189	74,793
115,000	0,228	0,690	0,633	0,372	0,371	140,686	20,133	20,171	21,845	22,357	20,681	20,787	21,283	20,342	81,370	62,150	74,778
115,167	0,228	0,713	0,633	0,374	0,374	140,673	20,151	20,223	21,858	22,374	20,668	20,795	21,288	20,342	81,278	62,143	74,742
115,333	0,228	0,700	0,632	0,364	0,372	140,682	20,153	24,157	21,856	22,376	20,702	20,804	21,304	20,354	81,559	62,143	74,736
115,500	0,230	0,705	0,632	0,372	0,388	140,694	20,125	19,243	21,867	22,373	20,671	20,799	21,278	20,345	81,590	62,130	74,800
115,667	0,225	0,704	0,632	0,369	0,381	140,703	20,142	19,321	21,854	22,367	20,671	20,778	21,291	20,341	81,537	62,145	74,826
115,833	0,232	0,700	0,632	0,363	0,372	140,689	20,139	17,528	21,853	22,378	20,697	20,804	21,297	20,343	81,313	62,168	74,836
116,000	0,225	0,682	0,632	0,367	0,366	140,729	20,150	14,741	21,863	22,372	20,672	20,797	21,297	20,341	81,338	62,234	74,834
116,167	0,235	0,689	0,632	0,367	0,381	140,707	20,160	19,108	21,896	22,386	20,696	20,812	21,321	20,355	81,139	62,226	74,799
116,333	0,234	0,683	0,632	0,370	0,371	140,739	20,162	25,652	21,867	22,373	20,696	20,796	21,297	20,351	81,271	62,208	74,717
116,500	0,233	0,672	0,632	0,381	0,377	140,714	20,142	27,464	21,892	22,402	20,693	20,812	21,310	20,354	81,363	62,181	74,612

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
110,500	55,438	1,610	1,606	35646,459	35705,018	208,835	12,591	531,751	15,130	14,912	4,985	2017-09-13 13:38
110,667	55,446	1,610	1,608	35875,243	36445,299	215,329	12,746	531,611	14,520	15,343	5,057	2017-09-13 13:39
110,833	55,454	1,610	1,607	35913,997	35688,985	171,301	12,839	531,751	14,975	14,892	4,982	2017-09-13 13:39
111,000	55,454	1,607	1,609	35718,432	35603,208	206,094	12,742	531,611	14,655	14,798	4,966	2017-09-13 13:39
111,167	55,458	1,610	1,609	35808,537	35702,955	194,361	12,418	531,611	14,985	15,110	5,018	2017-09-13 13:39
111,333	55,455	1,613	1,609	35690,241	35243,632	172,548	12,154	531,517	15,064	14,884	4,981	2017-09-13 13:39
111,500	55,443	1,616	1,606	35683,257	35474,002	179,049	12,423	531,611	14,936	15,010	5,002	2017-09-13 13:39
111,667	55,458	1,608	1,606	35622,123	35843,446	194,420	12,532	531,517	14,526	15,093	5,015	2017-09-13 13:40
111,834	55,459	1,609	1,606	35713,143	35453,204	204,409	12,520	531,517	14,527	15,282	5,047	2017-09-13 13:40
112,000	55,450	1,611	1,604	35710,145	35754,885	179,278	12,637	531,518	15,028	14,914	4,986	2017-09-13 13:40
112,167	55,450	1,608	1,606	35714,539	35252,228	195,778	12,647	531,424	15,102	15,151	5,025	2017-09-13 13:40
112,334	55,455	1,610	1,607	35620,662	36033,867	153,275	12,695	531,424	15,034	15,280	5,046	2017-09-13 13:40
112,500	55,446	1,608	1,608	35752,944	35270,922	151,830	12,451	531,423	14,874	15,424	5,070	2017-09-13 13:40
112,667	55,446	1,607	1,606	35630,395	35594,823	176,926	12,750	531,470	14,805	15,380	5,063	2017-09-13 13:41
112,834	55,457	1,610	1,607	35600,032	35451,256	153,456	12,799	531,331	15,009	14,912	4,985	2017-09-13 13:41
113,000	55,458	1,611	1,606	35539,336	35771,808	206,198	13,253	531,331	14,684	14,853	4,975	2017-09-13 13:41
113,167	55,463	1,607	1,604	35759,160	35689,039	246,717	13,305	531,330	14,785	15,273	5,045	2017-09-13 13:41
113,334	55,450	1,610	1,607	35836,130	35516,861	175,328	13,277	531,330	15,123	15,061	5,010	2017-09-13 13:41
113,500	55,446	1,607	1,604	35893,432	35397,153	377,756	13,353	531,330	14,450	14,756	4,959	2017-09-13 13:41
113,667	55,451	1,609	1,606	35857,198	36123,886	251,182	13,179	531,236	15,009	15,258	5,043	2017-09-13 13:42
113,834	55,451	1,613	1,605	35866,724	35913,132	212,584	13,099	531,235	14,760	15,181	5,030	2017-09-13 13:42
114,000	55,447	1,608	1,608	35883,798	35724,331	153,268	12,872	531,236	14,677	15,202	5,034	2017-09-13 13:42
114,167	55,451	1,610	1,604	35717,911	35795,849	155,350	12,927	531,235	14,256	15,273	5,045	2017-09-13 13:42
114,334	55,453	1,610	1,605	35897,339	35705,961	187,631	12,118	531,235	14,829	14,963	4,994	2017-09-13 13:42
114,500	55,451	1,613	1,604	35728,647	35673,451	197,078	11,807	531,143	14,738	15,014	5,002	2017-09-13 13:42
114,667	55,447	1,610	1,606	35856,754	35468,471	243,403	11,274	531,142	14,848	14,932	4,989	2017-09-13 13:43
114,833	55,451	1,610	1,608	35649,722	35218,015	228,317	11,396	531,142	15,021	15,239	5,040	2017-09-13 13:43
115,000	55,447	1,611	1,607	35600,521	35378,619	185,577	12,240	531,143	14,875	14,847	4,975	2017-09-13 13:43
115,167	55,446	1,610	1,607	35539,270	35203,794	182,193	12,827	531,142	14,963	14,972	4,995	2017-09-13 13:43
115,333	55,438	1,608	1,607	35542,063	35686,382	183,152	12,495	531,048	14,561	14,896	4,983	2017-09-13 13:43
115,500	55,441	1,608	1,606	35638,231	35772,128	193,103	12,625	531,049	14,899	15,502	5,083	2017-09-13 13:43
115,667	55,478	1,611	1,606	35599,791	35706,891	162,705	12,610	531,049	14,769	15,245	5,041	2017-09-13 13:44
115,833	55,534	1,608	1,608	35568,177	35189,035	209,659	12,488	531,048	14,538	14,872	4,979	2017-09-13 13:44
116,000	55,540	1,612	1,606	35499,754	35199,738	166,475	12,056	530,956	14,663	14,653	4,942	2017-09-13 13:44
116,167	55,540	1,610	1,608	35487,084	34801,091	225,176	12,237	530,956	14,666	15,230	5,038	2017-09-13 13:44
116,333	55,544	1,610	1,606	35294,083	35067,955	217,838	12,065	530,956	14,815	14,836	4,973	2017-09-13 13:44
116,500	55,540	1,610	1,607	35120,448	35290,612	212,188	11,811	530,956	15,250	15,071	5,012	2017-09-13 13:44

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
116,667	0,236	0,688	0,631	0,366	0,384	140,743	20,147	25,851	21,912	22,397	20,681	20,800	21,304	20,353	81,139	62,146	74,620
116,833	0,235	0,692	0,631	0,373	0,374	140,730	20,154	25,967	21,897	22,398	20,686	20,804	21,312	20,345	81,240	62,142	74,605
117,000	0,236	0,687	0,631	0,376	0,378	140,755	20,138	20,906	21,888	22,410	20,701	20,794	21,305	20,350	81,273	62,154	74,608
117,167	0,234	0,691	0,631	0,371	0,370	140,773	20,151	20,565	21,913	22,412	20,707	20,814	21,305	20,349	81,285	62,088	74,539
117,333	0,231	0,706	0,631	0,363	0,369	140,707	20,150	22,618	21,909	22,403	20,677	20,804	21,319	20,346	81,045	62,162	74,608
117,500	0,229	0,687	0,631	0,369	0,367	140,686	20,133	29,798	21,916	22,415	20,689	20,803	21,314	20,350	81,081	62,143	74,654
117,667	0,232	0,680	0,631	0,377	0,374	140,725	20,150	30,241	21,927	22,425	20,703	20,800	21,322	20,347	81,014	62,149	74,630
117,833	0,231	0,704	0,631	0,368	0,384	140,730	20,146	28,191	21,931	22,406	20,682	20,812	21,318	20,346	81,205	62,178	74,667
118,000	0,229	0,711	0,631	0,378	0,385	140,817	20,137	26,347	21,930	22,421	20,681	20,797	21,319	20,343	80,993	62,158	74,568
118,167	0,238	0,709	0,631	0,376	0,365	140,907	20,145	24,309	21,935	22,424	20,696	20,808	21,330	20,346	81,120	62,148	74,570
118,333	0,233	0,714	0,630	0,377	0,381	140,763	20,125	20,241	21,926	22,415	20,689	20,796	21,334	20,353	81,184	62,145	74,551
118,500	0,234	0,709	0,630	0,367	0,375	140,817	20,142	22,837	21,949	22,419	20,698	20,801	21,332	20,349	80,920	62,117	74,578
118,667	0,233	0,703	0,630	0,362	0,377	140,856	20,135	24,399	21,952	22,427	20,693	20,811	21,344	20,353	81,324	62,130	74,565
118,834	0,231	0,716	0,630	0,376	0,381	141,004	20,154	21,224	21,946	22,429	20,704	20,799	21,329	20,353	81,285	62,145	74,670
119,000	0,227	0,725	0,630	0,371	0,374	141,029	20,158	22,037	21,944	22,433	20,709	20,804	21,343	20,354	81,609	62,185	74,681
119,167	0,228	0,717	0,630	0,371	0,379	140,978	20,147	21,874	21,955	22,435	20,718	20,807	21,338	20,353	81,384	62,164	74,716
119,334	0,222	0,720	0,630	0,368	0,375	141,042	20,154	28,941	21,950	22,435	20,697	20,809	21,346	20,355	81,417	62,143	74,716
119,500	0,226	0,719	0,629	0,363	0,371	140,975	20,164	26,011	21,923	22,405	20,710	20,816	21,343	20,353	81,421	62,164	74,734
119,667	0,226	0,698	0,629	0,369	0,381	140,932	20,141	20,296	21,917	22,405	20,719	20,822	21,355	20,356	81,752	62,181	74,799
119,834	0,229	0,677	0,629	0,380	0,374	140,897	20,141	15,404	21,930	22,414	20,713	20,812	21,348	20,356	81,752	62,191	74,840
120,000	0,232	0,671	0,629	0,370	0,374	140,817	20,132	18,621	21,935	22,431	20,721	20,808	21,353	20,354	81,145	62,192	74,885
120,167	0,233	0,686	0,629	0,369	0,373	140,749	20,164	23,437	21,635	22,427	20,705	20,805	21,355	20,355	81,258	62,226	74,751
120,334	0,234	0,702	0,629	0,368	0,385	140,803	20,132	19,273	21,697	22,445	20,698	20,815	21,354	20,358	81,540	62,162	74,663
120,500	0,230	0,701	0,629	0,369	0,375	140,684	20,172	20,136	21,874	22,432	20,714	20,820	21,365	20,355	81,257	62,149	74,728
120,667	0,234	0,672	0,629	0,366	0,381	140,697	20,138	25,408	69,821	22,424	20,705	20,822	21,350	20,359	81,262	62,185	74,719
120,834	0,240	0,670	0,629	0,374	0,378	140,615	20,098	13,180	35,894	22,443	20,727	20,837	21,372	20,360	81,489	62,209	74,719
121,000	0,234	0,685	0,629	0,374	0,368	140,731	20,111	18,707	31,034	22,446	20,721	20,829	21,368	20,359	81,037	62,149	74,680
121,167	0,232	0,727	0,629	0,368	0,386	140,698	20,144	21,680	29,537	22,458	20,731	20,834	21,371	20,368	81,463	62,153	74,653
121,334	0,235	0,732	0,628	0,365	0,378	140,754	20,119	15,678	30,678	22,460	20,719	20,846	21,376	20,368	80,996	62,123	74,678
121,500	0,229	0,718	0,628	0,374	0,372	140,759	20,159	19,848	28,045	22,445	20,718	20,833	21,382	20,367	81,541	62,196	74,649
121,667	0,232	0,708	0,628	0,370	0,380	140,675	20,155	19,348	29,090	22,435	20,730	20,824	21,385	20,364	81,519	62,149	74,677
121,833	0,234	0,696	0,627	0,371	0,378	140,735	20,165	17,253	28,675	22,458	20,734	20,836	21,388	20,374	81,313	62,165	74,744
122,000	0,238	0,716	0,627	0,371	0,381	140,716	20,142	19,127	27,347	22,449	20,742	20,841	21,384	20,366	81,180	62,174	74,726
122,167	0,228	0,723	0,627	0,379	0,382	140,701	20,143	24,548	26,567	22,427	20,722	20,820	21,369	20,358	81,161	62,169	74,696
122,333	0,238	0,719	0,627	0,372	0,378	140,629	20,148	25,886	26,296	22,439	20,731	20,838	21,393	20,367	81,416	62,157	74,619
122,500	0,235	0,709	0,627	0,373	0,367	140,505	20,149	18,553	28,316	22,444	20,733	20,840	21,399	20,368	81,196	62,154	74,659
122,667	0,235	0,701	0,627	0,356	0,379	140,428	20,130	15,552	25,650	22,441	20,726	20,842	21,389	20,363	81,662	62,152	74,690

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
116,667	55,537	1,606	1,607	35135,444	34870,933	232,705	12,208	530,813	14,642	15,364	5,060	2017-09-13 13:45
116,833	55,537	1,611	1,606	35092,327	35171,626	226,843	12,297	530,813	14,932	14,964	4,994	2017-09-13 13:45
117,000	55,525	1,608	1,608	35172,573	35134,036	235,453	12,176	530,814	15,031	15,101	5,017	2017-09-13 13:45
117,167	55,505	1,610	1,606	35022,384	35315,135	220,155	12,276	530,814	14,829	14,785	4,964	2017-09-13 13:45
117,333	55,496	1,616	1,607	35204,712	34870,014	201,900	12,647	530,720	14,535	14,773	4,962	2017-09-13 13:45
117,500	55,520	1,614	1,606	35207,973	34933,036	186,380	12,173	530,720	14,774	14,679	4,946	2017-09-13 13:45
117,667	55,533	1,610	1,607	35172,166	34704,886	204,815	12,011	530,720	15,089	14,957	4,993	2017-09-13 13:46
117,833	55,544	1,612	1,607	35222,597	35042,556	198,547	12,588	530,720	14,711	15,361	5,060	2017-09-13 13:46
118,000	55,553	1,609	1,606	34981,065	34637,363	191,213	12,777	530,720	15,139	15,400	5,066	2017-09-13 13:46
118,167	55,556	1,608	1,607	35021,598	34870,490	248,340	12,730	530,720	15,026	14,614	4,935	2017-09-13 13:46
118,333	55,548	1,607	1,608	35022,808	34974,096	216,076	12,846	530,627	15,092	15,231	5,038	2017-09-13 13:46
118,500	55,541	1,607	1,606	35034,314	34526,207	217,845	12,720	530,627	14,663	14,994	4,999	2017-09-13 13:46
118,667	55,526	1,607	1,606	35032,313	35262,429	215,729	12,575	530,627	14,464	15,072	5,012	2017-09-13 13:47
118,834	55,510	1,617	1,607	35289,200	35380,783	204,200	12,888	530,533	15,035	15,246	5,041	2017-09-13 13:47
119,000	55,494	1,610	1,604	35271,753	35743,390	178,392	13,129	530,533	14,830	14,946	4,991	2017-09-13 13:47
119,167	55,496	1,612	1,606	35382,499	35404,218	180,303	12,913	530,532	14,859	15,159	5,026	2017-09-13 13:47
119,334	55,500	1,608	1,607	35392,426	35428,894	146,385	13,010	530,532	14,720	14,990	4,998	2017-09-13 13:47
119,500	55,494	1,608	1,608	35453,421	35395,392	168,945	12,982	530,439	14,501	14,835	4,972	2017-09-13 13:47
119,667	55,501	1,610	1,609	35573,944	36011,422	168,577	12,462	530,439	14,778	15,247	5,041	2017-09-13 13:48
119,834	55,517	1,608	1,606	35555,077	35953,183	188,892	11,935	530,439	15,200	14,952	4,992	2017-09-13 13:48
120,000	55,516	1,608	1,607	35673,269	34830,797	205,239	11,778	530,439	14,814	14,961	4,994	2017-09-13 13:48
120,167	55,525	1,608	1,605	35351,678	34980,666	215,506	12,146	530,439	14,748	14,932	4,989	2017-09-13 13:48
120,334	55,514	1,610	1,607	35261,601	35649,403	222,222	12,546	530,439	14,738	15,393	5,065	2017-09-13 13:48
120,500	55,509	1,608	1,607	35396,660	35119,608	197,964	12,534	530,439	14,754	15,014	5,002	2017-09-13 13:48
120,667	55,500	1,612	1,606	35371,059	35146,219	219,651	11,788	530,346	14,653	15,251	5,042	2017-09-13 13:49
120,834	55,488	1,614	1,606	35382,943	35555,594	259,788	11,757	530,345	14,976	15,103	5,017	2017-09-13 13:49
121,000	55,478	1,609	1,607	35359,401	34739,193	223,088	12,132	530,345	14,965	14,736	4,956	2017-09-13 13:49
121,167	55,479	1,610	1,605	35256,573	35525,010	207,557	13,163	530,346	14,715	15,443	5,073	2017-09-13 13:49
121,334	55,482	1,611	1,607	35350,088	34748,368	227,854	13,299	530,253	14,600	15,118	5,020	2017-09-13 13:49
121,500	55,496	1,619	1,607	35276,703	35794,451	189,625	12,953	530,252	14,956	14,893	4,982	2017-09-13 13:49
121,667	55,497	1,611	1,607	35324,393	35668,624	207,772	12,697	530,252	14,786	15,182	5,030	2017-09-13 13:50
121,833	55,509	1,609	1,605	35378,039	35210,232	220,537	12,409	530,115	14,836	15,123	5,020	2017-09-13 13:50
122,000	55,518	1,607	1,606	35344,516	34911,256	247,607	12,900	530,115	14,850	15,228	5,038	2017-09-13 13:50
122,167	55,514	1,609	1,607	35313,067	34928,403	183,267	13,071	530,115	15,172	15,296	5,049	2017-09-13 13:50
122,333	55,521	1,609	1,607	35171,868	35405,525	247,586	12,963	530,115	14,869	15,105	5,018	2017-09-13 13:50
122,500	55,513	1,608	1,608	35274,577	34991,047	227,927	12,721	530,115	14,935	14,694	4,949	2017-09-13 13:50
122,667	55,490	1,607	1,607	35352,054	35830,198	229,157	12,514	530,021	14,245	15,155	5,026	2017-09-13 13:51

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
122,833	0,233	0,718	0,627	0,372	0,368	140,429	20,125	21,513	26,937	22,441	20,730	20,824	21,393	20,366	81,581	62,166	74,776
123,000	0,232	0,719	0,627	0,374	0,377	140,445	20,102	26,214	40,961	22,445	20,735	20,845	21,402	20,368	81,452	62,153	74,747
123,167	0,233	0,699	0,627	0,358	0,388	140,375	20,123	22,261	73,992	22,437	20,731	20,838	21,389	20,364	81,433	62,162	74,803
123,333	0,230	0,694	0,627	0,374	0,375	140,313	20,140	18,838	103,428	22,448	20,742	20,846	21,398	20,375	81,377	62,215	74,753
123,500	0,235	0,683	0,626	0,360	0,371	140,342	20,173	22,388	63,201	22,443	20,759	20,858	21,406	20,388	81,439	62,154	74,684
123,667	0,233	0,679	0,626	0,363	0,379	140,348	20,138	6,905	22,333	22,435	20,735	20,850	21,392	20,370	81,490	62,150	74,720
123,833	0,227	0,710	0,626	0,373	0,375	140,358	20,093	16,089	23,159	22,487	20,793	20,881	21,435	20,408	81,209	62,169	74,697
124,000	0,233	0,736	0,626	0,365	0,365	140,268	20,030	19,846	23,307	22,445	20,744	20,832	21,396	20,367	81,627	62,185	74,734
124,167	0,227	0,734	0,626	0,365	0,378	140,253	20,116	20,148	23,369	22,432	20,742	20,836	21,407	20,367	81,300	62,168	74,796
124,333	0,228	0,711	0,626	0,375	0,381	140,192	20,175	20,267	23,444	22,432	20,760	20,851	21,411	20,376	81,244	62,176	74,742
124,500	0,227	0,685	0,626	0,366	0,382	140,178	20,178	12,066	23,484	22,439	20,739	20,844	21,416	20,370	81,482	62,178	74,724
124,667	0,232	0,696	0,626	0,374	0,363	140,239	20,179	12,095	23,524	22,453	20,744	20,841	21,419	20,368	81,332	62,180	74,722
124,833	0,234	0,732	0,626	0,368	0,382	140,372	20,167	15,802	23,547	22,456	20,732	20,837	21,403	20,364	81,228	62,133	74,692
125,000	0,230	0,737	0,625	0,376	0,369	140,342	20,162	21,829	23,572	22,437	20,739	20,849	21,407	20,367	81,371	62,143	74,657
125,167	0,229	0,718	0,625	0,377	0,363	140,363	20,159	18,625	23,585	22,461	20,742	20,841	21,424	20,371	81,281	62,126	74,662
125,334	0,235	0,703	0,625	0,361	0,383	140,276	20,157	20,940	23,589	22,451	20,735	20,847	21,409	20,370	81,388	62,149	74,728
125,500	0,232	0,705	0,625	0,371	0,380	140,191	20,169	24,176	23,578	22,451	20,743	20,829	21,431	20,372	81,517	62,209	74,746
125,667	0,240	0,704	0,625	0,366	0,374	140,188	20,165	23,265	23,568	22,455	20,737	20,844	21,418	20,371	81,458	62,193	74,742
125,834	0,229	0,690	0,625	0,364	0,375	140,132	20,172	17,849	23,576	22,465	20,737	20,854	21,432	20,375	81,533	62,178	74,732
126,000	0,230	0,686	0,625	0,377	0,384	140,114	20,174	17,950	23,570	22,469	20,741	20,841	21,432	20,374	81,253	62,164	74,739
126,167	0,229	0,708	0,625	0,374	0,372	140,027	20,157	19,428	23,548	22,479	20,771	20,853	21,434	20,382	81,591	62,172	74,665
126,334	0,231	0,701	0,624	0,362	0,367	140,021	20,146	16,481	23,531	22,456	20,748	20,853	21,449	20,376	81,358	62,138	74,686
126,500	0,235	0,681	0,624	0,370	0,380	139,993	20,154	17,360	23,533	22,448	20,751	20,850	21,426	20,375	81,118	62,150	74,686
126,667	0,232	0,681	0,624	0,370	0,365	139,961	20,179	21,649	23,524	22,483	20,766	20,858	21,448	20,384	81,282	62,152	74,620
126,834	0,232	0,686	0,624	0,365	0,364	139,915	20,163	21,667	23,533	22,472	20,750	20,853	21,443	20,376	80,891	62,138	74,672
127,000	0,239	0,698	0,624	0,371	0,379	139,957	20,152	14,350	23,510	22,462	20,752	20,846	21,424	20,371	80,741	62,131	74,601
127,167	0,227	0,704	0,624	0,368	0,371	140,064	20,174	19,770	23,509	22,489	20,745	20,859	21,436	20,378	81,212	62,065	74,449
127,334	0,226	0,725	0,624	0,374	0,375	140,224	20,150	20,103	23,501	22,479	20,747	20,850	21,432	20,372	81,182	62,091	74,627
127,500	0,240	0,728	0,624	0,364	0,377	140,198	20,187	17,162	23,466	22,468	20,740	20,857	21,433	20,370	80,910	62,130	74,576
127,667	0,227	0,720	0,624	0,365	0,375	140,327	20,184	17,490	23,471	22,495	20,754	20,841	21,457	20,376	81,051	62,125	74,589
127,834	0,227	0,727	0,624	0,373	0,366	140,356	20,191	17,914	23,436	22,498	20,742	20,861	21,452	20,376	81,540	62,117	74,551
128,000	0,229	0,722	0,624	0,365	0,379	140,379	20,175	20,238	23,440	22,494	20,786	20,873	21,464	20,387	81,296	62,122	74,611
128,167	0,227	0,725	0,623	0,369	0,375	140,460	20,173	19,412	23,420	22,483	20,764	20,854	21,464	20,383	81,429	62,110	74,624
128,333	0,224	0,720	0,623	0,371	0,381	140,395	20,169	20,264	23,395	22,486	20,765	20,852	21,457	20,380	81,375	62,187	74,746
128,500	0,228	0,717	0,623	0,364	0,379	140,374	20,192	18,726	23,398	22,487	20,773	20,873	21,483	20,388	81,174	62,162	74,681
128,667	0,226	0,704	0,623	0,373	0,380	140,352	20,136	13,351	23,394	22,490	20,769	20,861	21,449	20,388	81,282	62,157	74,700
128,833	0,223	0,709	0,623	0,361	0,365	140,259	20,198	13,674	23,390	22,493	20,775	20,877	21,480	20,392	81,447	62,122	74,655

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
122,833	55,474	1,608	1,604	35483,855	35685,960	215,961	12,955	530,021	14,888	14,726	4,954	2017-09-13 13:51
123,000	55,469	1,608	1,604	35443,639	35471,192	207,769	12,965	530,021	14,942	15,078	5,013	2017-09-13 13:51
123,167	55,478	1,617	1,605	35531,714	35624,507	216,156	12,472	530,021	14,304	15,531	5,088	2017-09-13 13:51
123,333	55,484	1,614	1,606	35451,246	35349,302	195,413	12,359	530,021	14,965	14,992	4,999	2017-09-13 13:51
123,500	55,497	1,611	1,607	35336,850	35508,954	223,713	12,072	529,927	14,416	14,831	4,972	2017-09-13 13:51
123,667	55,504	1,610	1,607	35393,823	35581,952	216,170	11,986	529,927	14,538	15,172	5,029	2017-09-13 13:52
123,833	55,506	1,608	1,607	35344,360	35001,883	177,454	12,743	529,927	14,902	15,009	5,002	2017-09-13 13:52
124,000	55,494	1,612	1,604	35367,386	35823,637	216,378	13,402	529,927	14,601	14,599	4,933	2017-09-13 13:52
124,167	55,494	1,610	1,607	35549,347	35198,655	174,025	13,353	529,834	14,603	15,132	5,022	2017-09-13 13:52
124,333	55,500	1,610	1,608	35461,188	35076,823	184,313	12,787	529,834	15,006	15,233	5,039	2017-09-13 13:52
124,500	55,493	1,611	1,609	35453,128	35548,583	174,445	12,118	529,834	14,652	15,281	5,047	2017-09-13 13:52
124,667	55,484	1,610	1,607	35431,454	35248,544	205,688	12,412	529,834	14,974	14,505	4,917	2017-09-13 13:53
124,833	55,477	1,607	1,606	35368,301	35065,075	221,625	13,310	529,834	14,703	15,280	5,047	2017-09-13 13:53
125,000	55,478	1,604	1,606	35293,543	35257,788	197,898	13,417	529,739	15,021	14,776	4,963	2017-09-13 13:53
125,167	55,496	1,604	1,606	35269,061	35107,029	187,968	12,943	529,739	15,083	14,525	4,920	2017-09-13 13:53
125,334	55,502	1,615	1,607	35407,315	35502,447	225,054	12,570	529,740	14,435	15,333	5,055	2017-09-13 13:53
125,500	55,509	1,615	1,607	35429,060	35645,986	205,469	12,631	529,739	14,837	15,193	5,032	2017-09-13 13:53
125,667	55,494	1,610	1,606	35419,135	35440,971	259,573	12,594	529,740	14,632	14,960	4,993	2017-09-13 13:54
125,834	55,485	1,608	1,607	35450,278	35570,225	186,373	12,245	529,739	14,570	14,995	4,999	2017-09-13 13:54
126,000	55,481	1,607	1,606	35436,873	35055,126	195,827	12,145	529,646	15,073	15,341	5,057	2017-09-13 13:54
126,167	55,485	1,611	1,607	35329,225	35761,444	191,689	12,696	529,646	14,966	14,874	4,979	2017-09-13 13:54
126,334	55,489	1,608	1,608	35384,463	35324,657	198,978	12,518	529,553	14,480	14,683	4,947	2017-09-13 13:54
126,500	55,490	1,608	1,607	35356,411	34861,883	223,612	12,023	529,553	14,802	15,201	5,033	2017-09-13 13:54
126,667	55,479	1,611	1,607	35253,445	35223,757	205,333	12,025	529,553	14,788	14,587	4,931	2017-09-13 13:55
126,834	55,467	1,608	1,607	35369,123	34469,966	208,217	12,145	529,552	14,600	14,542	4,923	2017-09-13 13:55
127,000	55,454	1,611	1,606	35238,972	34270,244	252,422	12,444	529,552	14,821	15,151	5,025	2017-09-13 13:55
127,167	55,467	1,608	1,607	34955,303	35182,835	176,165	12,596	529,553	14,708	14,825	4,971	2017-09-13 13:55
127,334	55,482	1,616	1,606	35228,554	35258,956	169,199	13,119	529,552	14,961	14,984	4,997	2017-09-13 13:55
127,500	55,484	1,609	1,606	35133,495	34532,946	256,609	13,190	529,459	14,572	15,082	5,014	2017-09-13 13:55
127,667	55,489	1,609	1,606	35140,199	34813,372	175,300	12,990	529,459	14,601	15,020	5,003	2017-09-13 13:56
127,834	55,501	1,610	1,607	35088,713	35736,514	174,327	13,178	529,460	14,931	14,649	4,941	2017-09-13 13:56
128,000	55,490	1,609	1,607	35203,689	35257,769	191,199	13,056	529,460	14,593	15,164	5,027	2017-09-13 13:56
128,167	55,484	1,611	1,608	35261,739	35575,351	175,960	13,129	529,317	14,774	15,016	5,003	2017-09-13 13:56
128,333	55,463	1,617	1,608	35531,091	35470,503	157,031	13,004	529,317	14,848	15,229	5,038	2017-09-13 13:56
128,500	55,437	1,613	1,608	35460,443	35050,035	181,269	12,937	529,317	14,561	15,145	5,024	2017-09-13 13:56
128,667	55,405	1,615	1,607	35540,551	35307,419	167,600	12,611	529,224	14,907	15,211	5,035	2017-09-13 13:57
128,833	55,383	1,613	1,609	35526,568	35617,891	154,099	12,733	529,224	14,451	14,610	4,934	2017-09-13 13:57

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
129,000	0,224	0,707	0,623	0,364	0,374	140,230	20,171	18,109	23,360	22,477	20,768	20,863	21,465	20,380	81,220	62,094	74,662
129,167	0,225	0,712	0,623	0,373	0,385	140,125	20,161	23,414	23,350	22,507	20,766	20,867	21,465	20,392	81,317	62,071	74,651
129,333	0,224	0,722	0,622	0,382	0,375	140,081	20,173	17,282	23,347	22,488	20,781	20,878	21,483	20,391	81,482	62,012	74,592
129,500	0,226	0,700	0,622	0,370	0,390	140,020	20,196	12,848	23,315	22,493	20,766	20,860	21,472	20,390	81,143	62,110	74,755
129,667	0,229	0,688	0,622	0,373	0,369	140,042	20,195	19,705	23,306	22,482	20,771	20,877	21,477	20,387	81,517	62,118	74,632
129,833	0,226	0,689	0,622	0,370	0,382	140,074	20,181	25,139	23,291	22,487	20,772	20,854	21,464	20,383	81,153	62,092	74,666
130,000	0,225	0,685	0,622	0,367	0,378	140,029	20,190	17,657	23,284	22,484	20,773	20,861	21,481	20,390	81,209	62,092	74,569
130,167	0,226	0,685	0,622	0,371	0,376	139,917	20,188	16,994	23,268	22,482	20,788	20,874	21,481	20,388	81,124	62,099	74,559
130,333	0,232	0,672	0,622	0,367	0,378	139,931	20,195	14,893	23,254	22,494	20,780	20,867	21,489	20,390	80,954	62,095	74,585
130,500	0,229	0,662	0,622	0,370	0,372	139,887	20,190	12,587	23,268	22,507	20,773	20,878	21,477	20,390	80,764	62,075	74,491
130,667	0,229	0,685	0,622	0,368	0,374	139,873	20,202	17,736	23,246	22,516	20,773	20,884	21,491	20,391	80,996	62,060	74,405
130,833	0,224	0,691	0,622	0,364	0,375	139,803	20,192	15,904	23,235	22,502	20,783	20,871	21,487	20,387	81,363	62,076	74,468
131,000	0,223	0,690	0,622	0,378	0,378	139,816	20,186	9,814	23,218	22,529	20,796	20,877	21,491	20,390	80,821	62,104	74,512
131,167	0,224	0,707	0,621	0,361	0,374	139,838	20,201	15,284	23,213	22,511	20,788	20,871	21,495	20,384	80,988	62,104	74,528
131,333	0,227	0,709	0,621	0,364	0,366	139,854	20,208	23,370	23,199	22,520	20,795	20,885	21,507	20,403	81,077	62,141	74,542
131,500	0,229	0,700	0,621	0,373	0,384	139,808	20,185	20,171	23,204	22,516	20,812	20,890	21,507	20,404	81,019	62,117	74,522
131,667	0,234	0,674	0,621	0,367	0,371	139,781	20,159	19,363	23,191	22,531	20,802	20,886	21,503	20,396	81,107	62,111	74,461
131,833	0,235	0,702	0,621	0,361	0,380	139,835	20,178	17,587	23,172	22,515	20,775	20,866	21,498	20,390	81,205	62,113	74,464
132,000	0,239	0,731	0,621	0,378	0,377	139,876	20,195	14,097	23,166	22,523	20,783	20,883	21,504	20,395	81,278	62,078	74,513
132,167	0,232	0,739	0,621	0,365	0,371	139,803	20,158	18,417	23,132	22,506	20,797	20,867	21,504	20,390	81,146	62,196	74,604
132,334	0,226	0,716	0,621	0,377	0,388	139,721	20,165	17,292	23,121	22,493	20,780	20,878	21,492	20,387	80,968	62,138	74,512
132,500	0,228	0,692	0,621	0,373	0,363	139,791	20,188	11,903	23,130	22,503	20,780	20,871	21,495	20,390	80,965	62,130	74,545
132,667	0,224	0,700	0,620	0,367	0,377	139,747	20,143	17,801	23,112	22,491	20,785	20,874	21,506	20,388	81,342	62,145	74,507
132,834	0,231	0,694	0,620	0,356	0,377	139,663	20,187	20,485	23,100	22,484	20,793	20,860	21,516	20,394	80,937	62,122	74,507
133,000	0,230	0,696	0,619	0,362	0,382	139,665	20,187	17,150	23,099	22,493	20,793	20,874	21,512	20,396	81,157	62,141	74,507
133,167	0,237	0,692	0,620	0,368	0,377	139,627	20,189	19,922	23,100	22,510	20,810	20,889	21,523	20,403	81,140	62,123	74,522
133,334	0,231	0,696	0,619	0,358	0,376	139,672	20,236	17,733	23,078	22,510	20,805	20,884	21,510	20,394	80,938	62,121	74,507
133,500	0,231	0,719	0,619	0,366	0,374	139,681	20,208	18,718	23,084	22,510	20,804	20,875	21,510	20,396	81,023	62,134	74,482
133,667	0,229	0,727	0,619	0,378	0,378	139,628	20,185	17,397	23,058	22,509	20,798	20,868	21,528	20,398	81,378	62,113	74,504
133,834	0,227	0,721	0,619	0,367	0,383	139,469	20,169	19,368	23,021	22,501	20,798	20,873	21,519	20,395	80,999	62,092	74,527
134,000	0,227	0,692	0,619	0,361	0,376	139,468	20,187	27,235	23,042	22,502	20,808	20,878	21,531	20,402	81,257	62,165	74,578
134,167	0,231	0,687	0,619	0,367	0,382	139,394	20,152	29,275	23,029	22,507	20,806	20,896	21,527	20,402	81,095	62,152	74,562
134,334	0,236	0,668	0,619	0,378	0,367	139,314	20,164	27,042	23,031	22,511	20,809	20,896	21,522	20,406	80,684	62,113	74,484
134,500	0,235	0,671	0,619	0,368	0,375	139,259	20,163	19,826	23,029	22,502	20,813	20,883	21,527	20,402	81,200	62,111	74,418
134,667	0,239	0,669	0,619	0,366	0,376	139,239	20,172	12,365	23,025	22,507	20,810	20,897	21,536	20,410	80,551	62,092	74,400
134,834	0,229	0,673	0,618	0,360	0,384	139,288	20,168	14,076	23,019	22,526	20,817	20,885	21,542	20,403	81,205	62,057	74,288
135,000	0,234	0,694	0,618	0,366	0,368	139,253	20,139	11,396	23,014	22,511	20,810	20,894	21,537	20,403	81,058	62,033	74,377

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
129,000	55,380	1,611	1,607	35516,192	35218,034	160,801	12,667	529,223	14,568	14,955	4,992	2017-09-13 13:57
129,167	55,383	1,607	1,606	35454,546	35343,194	165,853	12,801	529,224	14,906	15,406	5,067	2017-09-13 13:57
129,333	55,406	1,607	1,607	35336,606	35753,648	157,038	13,040	529,130	15,273	15,000	5,000	2017-09-13 13:57
129,500	55,421	1,614	1,604	35549,312	35113,038	168,354	12,489	529,130	14,816	15,587	5,097	2017-09-13 13:57
129,667	55,433	1,613	1,607	35359,587	35753,136	187,238	12,205	529,130	14,903	14,768	4,961	2017-09-13 13:58
129,833	55,447	1,608	1,609	35428,377	35038,377	170,457	12,237	529,130	14,819	15,283	5,047	2017-09-13 13:58
130,000	55,457	1,610	1,609	35236,316	35167,815	161,256	12,134	529,130	14,663	15,105	5,017	2017-09-13 13:58
130,167	55,449	1,609	1,607	35187,531	34995,094	173,191	12,121	529,130	14,842	15,041	5,007	2017-09-13 13:58
130,333	55,445	1,611	1,609	35287,865	34726,373	208,217	11,804	529,036	14,691	15,105	5,018	2017-09-13 13:58
130,500	55,469	1,611	1,609	35062,402	34403,066	187,804	11,538	529,036	14,784	14,882	4,980	2017-09-13 13:58
130,667	55,512	1,609	1,607	34801,683	34828,517	192,075	12,131	529,036	14,719	14,948	4,991	2017-09-13 13:59
130,833	55,521	1,609	1,607	34895,562	35469,165	159,609	12,282	529,036	14,571	14,996	4,999	2017-09-13 13:59
131,000	55,524	1,610	1,609	35004,936	34428,126	151,646	12,245	529,036	15,128	15,130	5,022	2017-09-13 13:59
131,167	55,528	1,611	1,608	35006,815	34769,758	155,999	12,684	528,942	14,430	14,962	4,994	2017-09-13 13:59
131,333	55,550	1,609	1,607	34976,498	34828,759	178,656	12,728	528,942	14,547	14,636	4,939	2017-09-13 13:59
131,500	55,540	1,607	1,608	34976,082	34716,728	185,977	12,511	528,942	14,928	15,359	5,060	2017-09-13 13:59
131,667	55,545	1,610	1,607	34834,836	34944,304	221,837	11,846	528,943	14,700	14,849	4,975	2017-09-13 14:00
131,833	55,552	1,610	1,606	34800,841	35121,537	226,315	12,550	528,849	14,449	15,219	5,036	2017-09-13 14:00
132,000	55,530	1,610	1,608	34971,675	35325,387	250,550	13,263	528,849	15,120	15,068	5,011	2017-09-13 14:00
132,167	55,514	1,616	1,607	35155,702	34997,363	204,850	13,485	528,849	14,614	14,848	4,975	2017-09-13 14:00
132,334	55,508	1,610	1,608	35027,954	34640,828	172,385	12,905	528,849	15,067	15,537	5,089	2017-09-13 14:00
132,500	55,540	1,610	1,608	35006,865	34654,228	180,515	12,294	528,849	14,934	14,509	4,918	2017-09-13 14:00
132,667	55,544	1,610	1,607	34922,021	35314,781	160,155	12,500	528,756	14,680	15,066	5,011	2017-09-13 14:01
132,834	55,542	1,613	1,608	34932,122	34677,918	198,686	12,352	528,755	14,243	15,067	5,011	2017-09-13 14:01
133,000	55,532	1,608	1,605	34907,439	34954,601	193,301	12,409	528,622	14,497	15,286	5,047	2017-09-13 14:01
133,167	55,540	1,608	1,607	34952,808	34943,849	241,996	12,299	528,756	14,704	15,099	5,017	2017-09-13 14:01
133,334	55,541	1,607	1,606	34905,853	34555,733	203,749	12,403	528,616	14,335	15,057	5,010	2017-09-13 14:01
133,500	55,536	1,610	1,607	34890,749	34746,261	198,725	12,976	528,615	14,650	14,969	4,995	2017-09-13 14:01
133,667	55,533	1,611	1,607	34939,695	35474,406	187,641	13,187	528,615	15,113	15,122	5,020	2017-09-13 14:02
133,834	55,510	1,608	1,607	35023,706	34749,115	175,300	13,026	528,615	14,669	15,308	5,051	2017-09-13 14:02
134,000	55,501	1,621	1,609	35169,434	35371,778	177,378	12,294	528,615	14,438	15,053	5,009	2017-09-13 14:02
134,167	55,508	1,614	1,606	35064,604	34933,146	204,440	12,186	528,522	14,676	15,290	5,048	2017-09-13 14:02
134,334	55,526	1,610	1,608	34933,905	34163,260	233,080	11,690	528,522	15,109	14,700	4,950	2017-09-13 14:02
134,500	55,520	1,611	1,608	34816,052	35149,568	224,783	11,764	528,522	14,734	14,986	4,998	2017-09-13 14:02
134,667	55,513	1,608	1,605	34734,172	33926,675	252,461	11,726	528,522	14,639	15,026	5,004	2017-09-13 14:03
134,834	55,509	1,607	1,606	34552,025	35161,144	189,351	11,815	528,428	14,399	15,348	5,058	2017-09-13 14:03
135,000	55,518	1,611	1,610	34792,112	35033,867	217,275	12,360	528,428	14,623	14,713	4,952	2017-09-13 14:03

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
135,167	0,227	0,710	0,618	0,367	0,380	139,246	20,157	11,506	22,999	22,518	20,826	20,893	21,535	20,404	80,916	62,076	74,457
135,333	0,228	0,711	0,618	0,362	0,364	139,329	20,157	9,446	23,000	22,535	20,813	20,902	21,549	20,407	81,057	62,115	74,427
135,500	0,233	0,705	0,618	0,371	0,377	139,444	20,167	18,237	22,969	22,534	20,810	20,901	21,550	20,412	81,026	62,122	74,459
135,667	0,230	0,712	0,618	0,373	0,365	139,470	20,180	20,599	22,969	22,527	20,821	20,902	21,541	20,408	80,908	62,118	74,466
135,833	0,235	0,723	0,618	0,377	0,367	139,501	20,163	17,044	22,966	22,524	20,821	20,898	21,541	20,403	81,023	62,103	74,424
136,000	0,235	0,718	0,618	0,366	0,379	139,556	20,164	14,497	22,944	22,510	20,805	20,887	21,532	20,400	81,095	62,107	74,486
136,167	0,228	0,697	0,617	0,363	0,377	139,554	20,170	15,825	22,937	22,518	20,815	20,894	21,542	20,399	81,354	62,090	74,438
136,333	0,224	0,716	0,617	0,358	0,386	139,553	20,155	15,026	22,919	22,514	20,821	20,873	21,542	20,404	81,041	62,103	74,547
136,500	0,229	0,706	0,617	0,358	0,378	139,533	20,139	13,180	22,923	22,510	20,821	20,896	21,541	20,404	81,109	62,134	74,524
136,667	0,228	0,686	0,617	0,366	0,379	139,515	20,163	13,926	22,913	22,510	20,814	20,894	21,549	20,404	81,047	62,134	74,534
136,833	0,230	0,682	0,617	0,369	0,385	139,505	20,160	17,926	22,913	22,518	20,823	20,903	21,550	20,403	81,113	62,084	74,485
137,000	0,230	0,683	0,617	0,374	0,381	139,520	20,152	21,262	22,928	22,528	20,823	20,890	21,557	20,403	81,190	62,153	74,542
137,167	0,226	0,684	0,617	0,364	0,385	139,473	20,173	16,718	22,926	22,546	20,831	20,903	21,548	20,406	80,789	62,129	74,566
137,333	0,229	0,707	0,617	0,365	0,380	139,547	20,165	14,750	22,914	22,544	20,822	20,899	21,553	20,406	81,330	62,145	74,434
137,500	0,228	0,717	0,617	0,369	0,378	139,667	20,159	13,216	22,890	22,555	20,821	20,890	21,554	20,400	81,435	62,087	74,427
137,667	0,220	0,742	0,616	0,372	0,381	139,686	20,177	14,580	22,919	22,561	20,829	20,894	21,553	20,403	80,996	62,107	74,516
137,833	0,223	0,741	0,616	0,374	0,369	139,716	20,173	15,891	22,905	22,544	20,821	20,890	21,548	20,404	81,176	62,123	74,536
138,000	0,226	0,735	0,616	0,371	0,383	139,721	20,168	10,966	22,867	22,540	20,840	20,899	21,561	20,406	81,180	62,135	74,593
138,167	0,222	0,709	0,616	0,376	0,376	139,869	20,165	16,314	22,864	22,533	20,822	20,902	21,555	20,404	81,080	62,158	74,627
138,333	0,222	0,719	0,616	0,372	0,371	139,833	20,186	19,170	22,870	22,549	20,823	20,893	21,561	20,410	81,162	62,181	74,553
138,500	0,222	0,736	0,616	0,377	0,368	139,760	20,186	16,559	22,868	22,539	20,855	20,899	21,563	20,414	81,000	62,181	74,589
138,667	0,225	0,718	0,616	0,371	0,382	139,712	20,186	22,129	22,854	22,545	20,839	20,901	21,575	20,412	81,261	62,150	74,627
138,833	0,226	0,696	0,616	0,364	0,376	139,794	20,199	19,998	22,848	22,540	20,836	20,899	21,565	20,408	81,242	62,148	74,588
139,000	0,231	0,707	0,616	0,367	0,370	139,793	20,188	19,183	22,846	22,527	20,813	20,901	21,565	20,411	81,286	62,134	74,612
139,167	0,227	0,699	0,616	0,373	0,373	139,802	20,188	21,111	22,858	22,552	20,843	20,914	21,579	20,416	81,427	62,156	74,611
139,334	0,225	0,697	0,615	0,367	0,368	139,806	20,176	21,246	22,845	22,550	20,831	20,908	21,561	20,410	81,089	62,158	74,673
139,500	0,232	0,707	0,615	0,368	0,366	139,818	20,197	22,428	22,837	22,547	20,848	20,899	21,588	20,412	81,381	62,177	74,673
139,667	0,226	0,707	0,615	0,372	0,371	139,735	20,189	15,093	22,850	22,557	20,838	20,915	21,578	20,415	81,099	62,169	74,642
139,834	0,236	0,711	0,615	0,365	0,366	139,736	20,197	19,763	22,842	22,575	20,861	20,903	21,580	20,415	81,112	62,165	74,605
140,000	0,227	0,716	0,615	0,368	0,380	139,732	20,196	21,441	22,828	22,566	20,855	20,903	21,582	20,416	81,402	62,157	74,646
140,167	0,230	0,738	0,615	0,371	0,384	139,794	20,209	13,575	22,827	22,569	20,841	20,925	21,591	20,419	81,632	62,184	74,666
140,334	0,231	0,725	0,615	0,369	0,375	139,762	20,196	11,074	22,811	22,566	20,842	20,911	21,584	20,418	81,925	62,197	74,692
140,500	0,225	0,726	0,615	0,365	0,377	139,848	20,196	15,443	22,814	22,548	20,834	20,911	21,596	20,418	81,550	62,204	74,819
140,667	0,224	0,714	0,615	0,366	0,386	139,849	20,200	15,912	22,814	22,555	20,846	20,907	21,586	20,418	81,466	62,308	74,913
140,834	0,225	0,698	0,614	0,367	0,382	139,877	20,202	13,452	22,807	22,560	20,852	20,925	21,587	20,419	81,355	62,289	74,834
141,000	0,235	0,710	0,614	0,366	0,374	139,890	20,201	14,114	22,794	22,570	20,838	20,922	21,594	20,418	81,656	62,239	74,820
141,167	0,230	0,726	0,614	0,362	0,389	139,881	20,216	11,456	22,796	22,556	20,855	20,915	21,597	20,419	81,594	62,174	74,774

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
135,167	55,536	1,609	1,607	34836,616	34655,825	177,603	12,758	528,428	14,666	15,212	5,035	2017-09-13 14:03
135,333	55,540	1,612	1,607	34786,625	34886,086	182,012	12,764	528,428	14,477	14,579	4,929	2017-09-13 14:03
135,500	55,540	1,610	1,606	34814,398	34774,540	211,577	12,622	528,428	14,841	15,091	5,015	2017-09-13 14:03
135,667	55,526	1,608	1,607	34878,269	34534,423	198,144	12,796	528,335	14,905	14,616	4,936	2017-09-13 14:04
135,833	55,524	1,608	1,606	34776,052	34773,082	224,999	13,068	528,355	15,075	14,679	4,946	2017-09-13 14:04
136,000	55,528	1,608	1,607	34918,010	34900,834	226,670	12,941	528,335	14,633	15,162	5,027	2017-09-13 14:04
136,167	55,529	1,610	1,609	34853,752	35439,526	182,579	12,426	528,241	14,526	15,092	5,015	2017-09-13 14:04
136,333	55,544	1,608	1,608	35005,736	34811,543	156,375	12,895	528,240	14,320	15,437	5,072	2017-09-13 14:04
136,500	55,529	1,606	1,606	34947,548	34828,003	190,612	12,654	528,240	14,305	15,126	5,021	2017-09-13 14:04
136,667	55,517	1,610	1,608	35044,913	34804,353	185,049	12,141	528,240	14,632	15,158	5,026	2017-09-13 14:05
136,833	55,522	1,611	1,608	34937,812	35042,323	192,894	12,048	528,240	14,743	15,404	5,067	2017-09-13 14:05
137,000	55,525	1,616	1,608	35040,820	35151,035	194,177	12,083	528,147	14,972	15,230	5,038	2017-09-13 14:05
137,167	55,532	1,610	1,608	35063,593	34328,586	167,750	12,101	528,147	14,577	15,380	5,063	2017-09-13 14:05
137,333	55,536	1,610	1,609	34844,110	35299,935	191,008	12,671	528,147	14,592	15,216	5,036	2017-09-13 14:05
137,500	55,529	1,609	1,607	34799,721	35576,099	185,574	12,935	528,147	14,773	15,104	5,017	2017-09-13 14:05
137,667	55,525	1,607	1,606	34958,573	34696,752	133,464	13,547	528,053	14,870	15,248	5,041	2017-09-13 14:06
137,833	55,537	1,608	1,608	35012,550	35013,838	149,711	13,531	528,053	14,967	14,776	4,962	2017-09-13 14:06
138,000	55,525	1,609	1,606	35081,864	35027,010	172,562	13,373	528,053	14,821	15,331	5,055	2017-09-13 14:06
138,167	55,528	1,609	1,607	35178,455	34783,996	144,051	12,732	528,053	15,026	15,060	5,010	2017-09-13 14:06
138,333	55,529	1,612	1,609	35067,062	34977,859	145,937	12,980	528,053	14,863	14,822	4,970	2017-09-13 14:06
138,500	55,524	1,610	1,606	35087,322	34624,021	145,510	13,396	527,960	15,063	14,713	4,952	2017-09-13 14:06
138,667	55,525	1,610	1,606	35142,708	35155,488	166,704	12,954	527,961	14,824	15,288	5,048	2017-09-13 14:07
138,833	55,538	1,610	1,607	35085,545	35128,302	170,029	12,405	527,961	14,570	15,041	5,007	2017-09-13 14:07
139,000	55,544	1,610	1,607	35115,950	35232,456	203,582	12,671	527,960	14,698	14,800	4,967	2017-09-13 14:07
139,167	55,533	1,608	1,609	35165,392	35414,884	177,197	12,463	527,961	14,932	14,908	4,985	2017-09-13 14:07
139,334	55,530	1,607	1,608	35260,996	34770,748	164,178	12,423	527,819	14,691	14,728	4,955	2017-09-13 14:07
139,500	55,550	1,607	1,607	35216,014	35263,434	207,154	12,686	527,819	14,701	14,649	4,941	2017-09-13 14:07
139,667	55,534	1,607	1,606	35164,499	34762,888	170,891	12,684	527,819	14,889	14,846	4,974	2017-09-13 14:08
139,834	55,524	1,608	1,604	35076,519	34811,734	232,524	12,764	527,725	14,611	14,650	4,941	2017-09-13 14:08
140,000	55,538	1,607	1,607	35189,936	35350,017	176,964	12,889	527,725	14,727	15,201	5,033	2017-09-13 14:08
140,167	55,545	1,609	1,604	35154,943	35764,365	197,502	13,456	527,725	14,835	15,363	5,060	2017-09-13 14:08
140,334	55,542	1,613	1,607	35268,582	36358,852	203,804	13,126	527,725	14,779	14,995	4,999	2017-09-13 14:08
140,500	55,553	1,614	1,607	35471,169	35682,762	166,930	13,139	527,725	14,619	15,072	5,012	2017-09-13 14:08
140,667	55,544	1,616	1,606	35656,580	35381,632	159,557	12,859	527,721	14,644	15,431	5,071	2017-09-13 14:09
140,834	55,477	1,616	1,604	35585,092	35213,254	165,224	12,452	527,631	14,669	15,295	5,049	2017-09-13 14:09
141,000	55,446	1,608	1,607	35685,199	35679,472	228,195	12,758	527,632	14,656	14,940	4,990	2017-09-13 14:09
141,167	55,438	1,613	1,606	35590,917	35794,748	197,502	13,139	527,631	14,463	15,542	5,090	2017-09-13 14:09

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
141,334	0,234	0,707	0,614	0,366	0,384	139,890	20,211	18,192	22,793	22,566	20,851	20,907	21,604	20,422	81,330	62,182	74,828
141,500	0,229	0,695	0,614	0,375	0,375	139,920	20,196	19,141	22,788	22,570	20,854	20,928	21,590	20,423	81,324	62,181	74,777
141,667	0,225	0,715	0,614	0,361	0,376	139,936	20,192	18,958	22,801	22,586	20,863	20,922	21,597	20,420	81,483	62,180	74,767
141,833	0,232	0,727	0,614	0,367	0,372	139,936	20,179	18,718	22,773	22,565	20,852	20,920	21,592	20,419	81,307	62,176	74,793
142,000	0,227	0,721	0,614	0,374	0,376	139,859	20,171	19,613	22,770	22,573	20,867	20,916	21,592	20,426	81,537	62,173	74,772
142,167	0,229	0,702	0,614	0,373	0,380	139,813	20,173	23,158	22,775	22,552	20,859	20,920	21,591	20,419	81,336	62,182	74,797
142,333	0,232	0,678	0,613	0,364	0,368	139,822	20,217	26,833	22,772	22,578	20,858	20,924	21,596	20,423	81,340	62,189	74,758
142,500	0,225	0,704	0,613	0,380	0,366	139,783	20,217	21,438	22,788	22,564	20,852	20,924	21,611	20,424	81,618	62,173	74,712
142,667	0,222	0,709	0,613	0,370	0,371	139,862	20,222	20,256	22,762	22,568	20,860	20,927	21,608	20,426	81,574	62,164	74,803
142,833	0,225	0,704	0,613	0,369	0,374	139,862	20,214	17,300	22,775	22,591	20,881	20,923	21,609	20,431	81,344	62,168	74,784
143,000	0,223	0,712	0,613	0,367	0,384	139,824	20,230	15,458	22,758	22,577	20,868	20,936	21,613	20,428	81,420	62,127	74,738
143,167	0,226	0,719	0,613	0,376	0,377	139,906	20,218	16,160	22,762	22,594	20,877	20,931	21,622	20,428	81,255	62,199	74,728
143,333	0,229	0,706	0,613	0,369	0,376	139,877	20,194	12,242	22,747	22,575	20,876	20,922	21,607	20,422	81,378	62,141	74,696
143,500	0,239	0,706	0,613	0,373	0,386	139,926	20,217	16,746	22,767	22,579	20,863	20,927	21,628	20,427	81,527	62,122	74,744
143,667	0,231	0,717	0,613	0,362	0,364	140,057	20,226	17,224	22,769	22,584	20,866	20,936	21,617	20,434	81,498	62,157	74,786
143,833	0,226	0,724	0,612	0,374	0,377	140,081	20,217	17,780	22,761	22,598	20,883	20,939	21,612	20,432	81,508	62,143	74,786
144,000	0,234	0,736	0,612	0,369	0,376	140,123	20,208	16,664	22,758	22,595	20,879	20,939	21,623	20,431	81,713	62,157	74,800
144,167	0,237	0,737	0,612	0,372	0,372	140,188	20,205	17,319	22,753	22,598	20,891	20,930	21,610	20,435	81,498	62,153	74,772
144,333	0,234	0,725	0,612	0,370	0,374	140,152	20,206	18,841	22,754	22,589	20,876	20,936	21,623	20,431	81,514	62,141	74,784
144,500	0,235	0,711	0,611	0,373	0,374	140,136	20,230	17,960	22,748	22,589	20,874	20,939	21,621	20,432	81,423	62,156	74,772
144,667	0,231	0,717	0,611	0,371	0,379	140,206	20,209	19,858	22,729	22,574	20,885	20,931	21,626	20,432	81,604	62,126	74,778
144,833	0,229	0,711	0,611	0,370	0,380	140,048	20,212	18,494	22,723	22,581	20,880	20,938	21,624	20,435	81,450	62,138	74,747
145,000	0,232	0,712	0,611	0,367	0,377	140,097	20,218	15,658	22,735	22,591	20,881	20,943	21,632	20,438	81,396	62,156	74,790
145,167	0,229	0,703	0,611	0,370	0,378	140,183	20,200	14,176	22,736	22,608	20,896	20,956	21,645	20,440	81,373	62,126	74,655
145,333	0,232	0,718	0,611	0,370	0,382	140,228	20,213	20,913	22,765	22,607	20,883	20,951	21,644	20,441	81,294	62,119	74,766
145,500	0,226	0,739	0,611	0,364	0,375	140,294	20,209	19,588	22,731	22,597	20,876	20,935	21,629	20,434	81,440	62,115	74,723
145,667	0,224	0,738	0,611	0,358	0,393	140,265	20,229	16,019	22,728	22,607	20,891	20,946	21,644	20,443	81,247	62,100	74,723
145,834	0,227	0,718	0,610	0,364	0,369	140,197	20,204	20,069	22,710	22,595	20,888	20,940	21,636	20,439	81,273	62,109	74,743
146,000	0,229	0,702	0,610	0,359	0,382	140,193	20,208	20,469	22,710	22,582	20,872	20,939	21,647	20,436	81,276	62,115	74,719
146,167	0,232	0,700	0,611	0,364	0,380	140,135	20,209	17,593	22,722	22,582	20,889	20,948	21,621	20,434	81,587	62,106	74,689
146,334	0,231	0,695	0,610	0,373	0,363	139,970	20,212	20,270	22,710	22,603	20,891	20,947	21,638	20,438	81,570	62,129	74,778
146,500	0,233	0,695	0,610	0,366	0,381	139,995	20,221	19,379	22,723	22,604	20,915	20,953	21,658	20,436	81,423	62,193	74,828
146,667	0,229	0,701	0,610	0,355	0,377	140,102	20,231	21,867	22,717	22,601	20,896	20,955	21,638	20,441	81,485	62,170	74,722
146,834	0,228	0,702	0,610	0,365	0,381	140,086	20,179	14,401	22,709	22,599	20,898	20,947	21,647	20,440	81,120	62,169	74,743
147,000	0,226	0,696	0,610	0,367	0,380	140,063	20,171	9,962	22,705	22,597	20,909	20,952	21,644	20,440	81,200	62,161	74,685
147,167	0,227	0,703	0,610	0,369	0,361	140,166	20,157	15,361	22,706	22,611	20,888	20,944	21,638	20,436	81,313	62,139	74,650
147,334	0,227	0,711	0,609	0,359	0,376	140,105	20,163	25,556	22,700	22,591	20,887	20,935	21,636	20,435	81,497	62,141	74,639

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
141,334	55,441	1,608	1,606	35672,975	35187,393	218,046	12,681	527,631	14,658	15,352	5,058	2017-09-13 14:09
141,500	55,450	1,611	1,606	35567,323	35253,499	186,606	12,374	527,538	14,986	14,993	4,999	2017-09-13 14:09
141,667	55,447	1,608	1,606	35549,922	35477,061	165,846	12,869	527,537	14,438	15,040	5,007	2017-09-13 14:10
141,833	55,451	1,610	1,607	35618,403	35197,485	210,562	13,185	527,538	14,682	14,897	4,983	2017-09-13 14:10
142,000	55,453	1,610	1,607	35579,524	35627,120	173,903	13,031	527,537	14,963	15,054	5,009	2017-09-13 14:10
142,167	55,451	1,608	1,606	35602,793	35195,777	191,286	12,557	527,537	14,933	15,187	5,031	2017-09-13 14:10
142,333	55,457	1,614	1,607	35549,295	35334,440	209,878	11,958	527,443	14,560	14,733	4,955	2017-09-13 14:10
142,500	55,457	1,614	1,610	35526,280	35862,632	166,902	12,594	527,444	15,188	14,621	4,936	2017-09-13 14:10
142,667	55,433	1,611	1,607	35667,128	35747,336	147,622	12,720	527,444	14,786	14,838	4,973	2017-09-13 14:11
142,833	55,419	1,610	1,606	35643,974	35283,500	160,999	12,605	527,443	14,765	14,952	4,992	2017-09-13 14:11
143,000	55,423	1,611	1,607	35563,602	35524,059	152,441	12,794	527,443	14,686	15,356	5,059	2017-09-13 14:11
143,167	55,421	1,621	1,606	35543,502	35295,148	171,461	12,973	527,350	15,032	15,088	5,015	2017-09-13 14:11
143,333	55,418	1,610	1,608	35522,713	35404,291	186,710	12,652	527,351	14,744	15,048	5,008	2017-09-13 14:11
143,500	55,406	1,610	1,606	35600,034	35700,822	253,246	12,654	527,350	14,939	15,440	5,073	2017-09-13 14:11
143,667	55,417	1,610	1,607	35680,430	35585,773	200,233	12,935	527,350	14,477	14,575	4,929	2017-09-13 14:12
143,833	55,411	1,607	1,606	35661,643	35567,378	167,736	13,099	527,257	14,963	15,062	5,010	2017-09-13 14:12
144,000	55,418	1,610	1,607	35686,065	35978,693	217,209	13,391	527,257	14,755	15,055	5,009	2017-09-13 14:12
144,167	55,414	1,609	1,606	35632,110	35581,555	237,722	13,436	527,258	14,870	14,899	4,983	2017-09-13 14:12
144,333	55,411	1,607	1,605	35639,905	35575,234	221,138	13,131	527,258	14,804	14,973	4,995	2017-09-13 14:12
144,500	55,403	1,610	1,606	35638,810	35451,630	226,208	12,773	527,114	14,919	14,951	4,992	2017-09-13 14:12
144,667	55,400	1,605	1,606	35655,452	35732,358	200,844	12,924	527,114	14,844	15,160	5,027	2017-09-13 14:13
144,833	55,402	1,607	1,607	35624,986	35462,397	187,440	12,764	527,114	14,808	15,200	5,033	2017-09-13 14:13
145,000	55,396	1,610	1,605	35660,889	35397,797	208,564	12,800	527,021	14,674	15,093	5,016	2017-09-13 14:13
145,167	55,392	1,610	1,607	35479,969	35406,913	187,228	12,586	527,114	14,801	15,103	5,017	2017-09-13 14:13
145,333	55,387	1,610	1,609	35725,745	35277,310	205,566	12,951	527,021	14,787	15,279	5,046	2017-09-13 14:13
145,500	55,374	1,611	1,609	35668,681	35585,304	170,251	13,478	527,020	14,567	14,981	4,997	2017-09-13 14:13
145,667	55,366	1,610	1,608	35661,302	35235,130	158,501	13,462	527,021	14,328	15,736	5,121	2017-09-13 14:14
145,834	55,364	1,608	1,608	35716,084	35226,782	177,381	12,954	526,926	14,579	14,748	4,958	2017-09-13 14:14
146,000	55,367	1,611	1,606	35621,366	35272,873	189,726	12,539	526,926	14,369	15,294	5,049	2017-09-13 14:14
146,167	55,407	1,610	1,607	35512,092	35838,658	205,674	12,507	527,018	14,561	15,216	5,036	2017-09-13 14:14
146,334	55,453	1,620	1,607	35579,437	35985,465	199,381	12,363	526,926	14,929	14,506	4,917	2017-09-13 14:14
146,500	55,461	1,614	1,607	35658,808	35464,217	215,531	12,387	526,840	14,650	15,234	5,039	2017-09-13 14:14
146,667	55,463	1,609	1,606	35431,271	35511,973	186,001	12,524	526,833	14,186	15,100	5,017	2017-09-13 14:15
146,834	55,454	1,607	1,606	35494,067	34799,119	180,730	12,556	526,833	14,614	15,248	5,041	2017-09-13 14:15
147,000	55,450	1,608	1,606	35395,244	34993,552	171,078	12,390	526,833	14,674	15,195	5,032	2017-09-13 14:15
147,167	55,461	1,607	1,606	35311,278	35217,170	179,254	12,569	526,833	14,740	14,451	4,908	2017-09-13 14:15
147,334	55,451	1,614	1,609	35374,556	35707,220	174,007	12,765	526,737	14,365	15,045	5,007	2017-09-13 14:15

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
147,500	0,226	0,714	0,610	0,367	0,374	140,144	20,166	23,172	22,689	22,611	20,901	20,934	21,646	20,435	81,097	62,166	74,739
147,667	0,230	0,737	0,609	0,356	0,384	140,087	20,209	18,157	22,687	22,598	20,912	20,942	21,638	20,440	81,064	62,181	74,665
147,834	0,227	0,710	0,609	0,369	0,375	140,105	20,204	14,487	22,688	22,614	20,884	20,956	21,654	20,440	81,267	62,133	74,666
148,000	0,227	0,718	0,609	0,367	0,370	140,067	20,271	12,662	22,687	22,620	20,899	20,957	21,672	20,445	81,402	62,115	74,605
148,167	0,236	0,729	0,609	0,362	0,382	140,080	20,268	17,560	22,684	22,599	20,918	20,961	21,650	20,443	81,527	62,121	74,708
148,334	0,223	0,730	0,609	0,375	0,375	140,044	20,214	19,233	22,668	22,606	20,915	20,940	21,655	20,443	81,579	62,166	74,727
148,500	0,226	0,710	0,609	0,361	0,376	140,105	20,229	20,468	22,693	22,615	20,925	20,965	21,675	20,452	81,465	62,182	74,809
148,667	0,224	0,715	0,609	0,368	0,377	140,058	20,237	17,439	22,675	22,606	20,914	20,955	21,661	20,448	81,791	62,216	74,835
148,833	0,222	0,724	0,609	0,363	0,374	140,143	20,233	12,553	22,692	22,609	20,910	20,949	21,650	20,445	81,890	62,239	74,800
149,000	0,226	0,724	0,608	0,375	0,383	140,142	20,259	17,406	22,650	22,593	20,905	20,955	21,668	20,447	81,506	62,203	74,813
149,167	0,228	0,701	0,608	0,370	0,374	140,079	20,259	25,165	22,657	22,599	20,902	20,938	21,665	20,445	81,759	62,191	74,828
149,333	0,229	0,698	0,608	0,374	0,363	140,149	20,247	18,816	22,693	22,589	20,921	20,955	21,679	20,449	81,648	62,189	74,869
149,500	0,232	0,706	0,608	0,369	0,372	140,142	20,221	15,323	22,736	22,601	20,914	20,964	21,666	20,448	81,816	62,212	74,849
149,667	0,232	0,716	0,608	0,368	0,369	140,233	20,344	21,641	22,773	22,597	20,914	20,951	21,679	20,453	81,625	62,200	74,835
149,833	0,226	0,703	0,608	0,378	0,382	140,179	20,314	19,405	22,795	22,600	20,909	20,965	21,684	20,452	81,617	62,217	74,917
150,000	0,223	0,706	0,608	0,359	0,382	140,187	20,298	14,543	22,807	22,610	20,910	20,977	21,669	20,455	81,760	62,196	74,830
150,167	0,224	0,691	0,608	0,371	0,374	140,159	20,313	16,348	22,950	22,669	20,920	20,977	21,675	20,455	81,344	62,173	74,769
150,333	0,226	0,700	0,607	0,365	0,383	140,129	20,273	15,335	23,015	22,678	20,921	20,974	21,671	20,453	81,406	62,242	74,786
150,500	0,224	0,714	0,607	0,368	0,368	140,105	20,293	17,899	23,087	22,699	20,928	20,992	21,677	20,459	81,440	62,216	74,705
150,667	0,226	0,718	0,607	0,361	0,382	140,212	20,318	18,853	23,104	22,730	20,946	21,013	21,722	20,471	81,474	62,193	74,713
150,833	0,237	0,729	0,607	0,360	0,374	140,200	20,305	19,628	23,116	22,697	20,921	20,988	21,691	20,457	81,420	62,178	74,701
151,000	0,235	0,722	0,607	0,369	0,374	140,168	20,284	23,467	23,126	22,712	20,932	20,999	21,680	20,460	81,798	62,191	74,693
151,167	0,235	0,702	0,607	0,373	0,382	140,199	20,279	21,545	23,148	22,710	20,926	20,998	21,669	20,451	81,494	62,192	74,838
151,333	0,229	0,712	0,607	0,361	0,377	140,221	20,275	21,063	23,185	22,721	20,927	20,982	21,676	20,451	81,055	62,195	74,811
151,500	0,231	0,718	0,607	0,376	0,379	140,270	20,294	19,814	23,188	22,727	20,924	20,994	21,679	20,452	81,154	62,201	74,711
151,667	0,231	0,724	0,607	0,367	0,386	140,270	20,290	12,952	23,206	22,746	20,942	20,999	21,674	20,459	81,400	62,196	74,685
151,833	0,232	0,735	0,607	0,367	0,369	140,151	20,264	18,964	23,216	22,742	20,942	20,995	21,696	20,457	81,685	62,193	74,809
152,000	0,228	0,721	0,606	0,364	0,377	140,163	20,279	18,109	23,213	22,743	20,938	21,011	21,701	20,463	81,774	62,230	74,815
152,167	0,228	0,705	0,606	0,376	0,389	140,140	20,277	18,258	23,236	22,736	20,937	20,998	21,683	20,459	81,775	62,235	74,897
152,333	0,227	0,711	0,606	0,358	0,376	140,087	20,263	20,100	23,273	22,748	20,924	21,009	21,696	20,463	81,421	62,271	74,920
152,500	0,229	0,719	0,606	0,365	0,371	140,089	20,291	13,155	23,276	22,755	20,952	20,993	21,698	20,464	81,600	62,243	74,817
152,667	0,225	0,710	0,606	0,369	0,369	139,948	20,270	18,224	23,281	22,754	20,942	21,003	21,704	20,464	81,343	62,224	74,835
152,834	0,230	0,691	0,606	0,365	0,370	139,959	20,272	17,208	23,295	22,769	20,950	20,998	21,699	20,461	81,386	62,235	74,789
153,000	0,234	0,685	0,606	0,366	0,380	139,911	20,281	12,732	23,307	22,770	20,938	21,012	21,699	20,463	81,459	62,180	74,708
153,167	0,227	0,701	0,606	0,363	0,379	139,876	20,277	13,165	23,337	22,768	20,975	21,001	21,707	20,464	81,654	62,252	74,826
153,334	0,230	0,699	0,606	0,365	0,380	139,916	20,258	14,283	23,346	22,798	20,937	21,015	21,709	20,468	81,371	62,235	74,782
153,500	0,235	0,716	0,605	0,361	0,373	139,928	20,228	13,775	23,332	22,790	20,967	21,027	21,714	20,465	81,489	62,201	74,712

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
147,500	55,438	1,618	1,609	35588,801	34996,327	170,008	12,849	526,833	14,671	14,956	4,993	2017-09-13 14:15
147,667	55,430	1,614	1,607	35423,563	34834,463	197,050	13,415	526,738	14,247	15,350	5,058	2017-09-13 14:16
147,834	55,431	1,608	1,609	35459,019	35171,602	178,844	12,760	526,738	14,767	15,003	5,000	2017-09-13 14:16
148,000	55,449	1,611	1,609	35315,030	35512,846	173,604	12,954	526,738	14,666	14,817	4,969	2017-09-13 14:16
148,167	55,478	1,608	1,609	35449,140	35669,984	232,500	13,231	526,645	14,489	15,276	5,046	2017-09-13 14:16
148,334	55,482	1,608	1,607	35443,957	35677,159	153,077	13,247	526,645	14,989	15,016	5,003	2017-09-13 14:16
148,500	55,492	1,610	1,607	35579,856	35469,862	167,305	12,762	526,645	14,426	15,041	5,007	2017-09-13 14:16
148,667	55,498	1,612	1,609	35642,058	36055,842	160,839	12,868	526,645	14,702	15,088	5,015	2017-09-13 14:17
148,833	55,488	1,611	1,606	35542,039	36175,019	147,386	13,110	526,644	14,506	14,954	4,992	2017-09-13 14:17
149,000	55,485	1,608	1,607	35596,994	35479,663	169,407	13,112	526,550	14,994	15,323	5,054	2017-09-13 14:17
149,167	55,470	1,608	1,607	35649,785	35966,451	184,521	12,532	526,551	14,815	14,956	4,993	2017-09-13 14:17
149,333	55,466	1,607	1,608	35746,627	35730,049	187,857	12,451	526,551	14,954	14,500	4,916	2017-09-13 14:17
149,500	55,467	1,608	1,608	35721,510	36036,504	207,995	12,655	526,551	14,762	14,872	4,979	2017-09-13 14:17
149,667	55,469	1,608	1,609	35697,504	35699,271	208,008	12,896	526,550	14,731	14,777	4,963	2017-09-13 14:18
149,833	55,471	1,611	1,607	35812,320	35707,903	172,777	12,587	526,458	15,128	15,286	5,047	2017-09-13 14:18
150,000	55,484	1,607	1,605	35585,503	35938,292	152,226	12,651	526,458	14,371	15,273	5,045	2017-09-13 14:18
150,167	55,492	1,612	1,607	35503,713	35309,098	160,825	12,283	526,458	14,851	14,979	4,997	2017-09-13 14:18
150,333	55,498	1,615	1,606	35490,285	35382,408	168,771	12,490	526,315	14,602	15,308	5,051	2017-09-13 14:18
150,500	55,500	1,610	1,606	35351,703	35366,164	157,445	12,862	526,314	14,702	14,711	4,952	2017-09-13 14:18
150,667	55,501	1,608	1,607	35370,324	35434,718	173,406	12,945	526,315	14,438	15,282	5,047	2017-09-13 14:19
150,833	55,501	1,611	1,607	35365,261	35433,993	237,479	13,213	526,315	14,404	14,979	4,996	2017-09-13 14:19
151,000	55,493	1,610	1,607	35360,370	36070,806	225,825	13,055	526,315	14,775	14,976	4,996	2017-09-13 14:19
151,167	55,498	1,608	1,606	35582,100	35475,876	224,988	12,553	526,221	14,933	15,281	5,047	2017-09-13 14:19
151,333	55,500	1,605	1,606	35536,196	34605,464	192,036	12,794	526,221	14,433	15,098	5,016	2017-09-13 14:19
151,500	55,501	1,608	1,607	35379,207	34828,015	202,342	12,944	526,221	15,047	15,144	5,024	2017-09-13 14:19
151,667	55,514	1,610	1,607	35310,488	35331,688	202,567	13,111	526,221	14,663	15,448	5,074	2017-09-13 14:20
151,833	55,506	1,610	1,609	35583,144	35856,813	208,641	13,380	526,221	14,692	14,742	4,957	2017-09-13 14:20
152,000	55,520	1,611	1,607	35540,412	35986,585	183,489	13,025	526,127	14,547	15,086	5,014	2017-09-13 14:20
152,167	55,528	1,607	1,606	35639,094	35894,653	182,012	12,618	526,127	15,025	15,552	5,091	2017-09-13 14:20
152,333	55,528	1,607	1,607	35703,063	35162,079	173,834	12,782	526,034	14,309	15,042	5,007	2017-09-13 14:20
152,500	55,525	1,607	1,608	35543,753	35559,963	186,998	12,974	526,127	14,602	14,829	4,971	2017-09-13 14:20
152,667	55,520	1,608	1,606	35545,389	35140,068	163,129	12,761	526,033	14,770	14,772	4,962	2017-09-13 14:21
152,834	55,528	1,608	1,606	35442,730	35197,952	195,174	12,265	526,033	14,591	14,812	4,969	2017-09-13 14:21
153,000	55,517	1,609	1,607	35342,956	35444,566	220,138	12,134	526,033	14,621	15,189	5,031	2017-09-13 14:21
153,167	55,510	1,615	1,606	35540,152	35813,911	177,798	12,513	526,033	14,511	15,164	5,027	2017-09-13 14:21
153,334	55,512	1,612	1,607	35493,465	35244,702	197,297	12,480	526,033	14,590	15,219	5,036	2017-09-13 14:21
153,500	55,525	1,611	1,607	35335,494	35506,803	224,978	12,890	525,939	14,451	14,920	4,987	2017-09-13 14:21

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
153,667	0,228	0,710	0,605	0,363	0,378	139,932	20,245	11,270	23,370	22,807	20,947	21,009	21,721	20,469	81,720	62,195	74,747
153,834	0,226	0,704	0,605	0,381	0,370	140,021	20,245	17,412	23,369	22,797	20,963	21,006	21,704	20,468	81,315	62,217	74,784
154,000	0,229	0,724	0,605	0,384	0,369	140,044	20,258	19,417	23,358	22,789	20,951	21,003	21,695	20,465	81,204	62,215	74,712
154,167	0,221	0,721	0,605	0,362	0,376	139,956	20,249	21,014	23,387	22,777	20,964	21,004	21,708	20,471	81,359	62,207	74,734
154,334	0,225	0,714	0,604	0,370	0,381	139,998	20,252	21,919	23,393	22,784	20,966	21,023	21,721	20,471	81,458	62,232	74,821
154,500	0,228	0,694	0,605	0,364	0,376	140,041	20,272	10,903	23,405	22,791	20,950	21,013	21,715	20,468	81,585	62,248	74,857
154,667	0,225	0,697	0,605	0,376	0,378	139,981	20,259	9,900	23,426	22,798	20,954	21,006	21,708	20,469	81,101	62,258	74,817
154,834	0,226	0,692	0,605	0,368	0,379	139,907	20,242	13,300	23,423	22,801	20,960	21,011	21,718	20,467	81,145	62,244	74,754
155,000	0,230	0,687	0,605	0,365	0,376	139,858	20,246	15,237	23,436	22,798	20,958	21,023	21,703	20,469	81,290	62,180	74,626
155,167	0,235	0,684	0,604	0,377	0,377	139,903	20,252	16,949	23,460	22,814	20,962	21,023	21,721	20,475	81,328	62,216	74,681
155,334	0,229	0,683	0,604	0,370	0,378	139,755	20,227	16,456	23,469	22,822	20,977	21,030	21,725	20,473	81,720	62,228	74,686
155,500	0,227	0,686	0,604	0,361	0,374	139,636	20,258	10,377	23,487	22,819	20,972	21,018	21,740	20,477	81,193	62,192	74,670
155,667	0,226	0,690	0,604	0,370	0,385	139,627	20,253	10,666	23,485	22,828	20,970	21,013	21,730	20,477	80,996	62,200	74,658
155,833	0,223	0,694	0,604	0,374	0,385	139,625	20,258	13,398	23,499	22,837	20,975	21,009	21,717	20,473	81,297	62,187	74,530
156,000	0,222	0,698	0,603	0,366	0,378	139,705	20,266	20,416	23,520	22,848	20,971	21,025	21,717	20,477	81,126	62,146	74,523
156,167	0,222	0,726	0,603	0,355	0,386	139,842	20,252	17,179	23,520	22,844	20,977	21,009	21,728	20,473	81,246	62,138	74,573
156,333	0,225	0,725	0,603	0,374	0,383	139,832	20,266	16,411	23,529	22,857	20,984	21,026	21,732	20,477	81,145	62,177	74,584
156,500	0,224	0,717	0,603	0,367	0,374	139,893	20,266	19,252	23,555	22,857	20,983	21,018	21,740	20,483	81,043	62,181	74,663
156,667	0,234	0,732	0,603	0,358	0,369	139,999	20,260	15,790	23,552	22,862	20,988	21,015	21,738	20,480	81,135	62,187	74,568
156,833	0,231	0,744	0,603	0,373	0,377	140,023	20,258	19,853	23,567	22,873	20,985	21,021	21,729	20,483	81,389	62,157	74,535
157,000	0,235	0,728	0,603	0,375	0,372	140,027	20,243	21,317	23,563	22,861	20,992	21,018	21,728	20,479	81,436	62,178	74,669
157,167	0,232	0,733	0,602	0,371	0,370	140,006	20,258	13,437	23,575	22,869	20,972	21,019	21,740	20,479	81,787	62,223	74,751
157,333	0,228	0,725	0,602	0,369	0,371	139,958	20,253	19,551	23,595	22,874	20,984	21,025	21,746	20,480	81,716	62,223	74,826
157,500	0,226	0,725	0,602	0,378	0,380	140,102	20,245	21,474	23,595	22,880	20,986	21,038	21,759	20,484	81,351	62,238	74,851
157,667	0,224	0,739	0,602	0,367	0,363	140,046	20,240	21,801	23,599	22,862	21,006	21,056	21,749	20,485	81,659	62,306	74,900
157,833	0,221	0,721	0,602	0,357	0,370	140,228	20,223	20,603	23,640	22,883	20,991	21,025	21,759	20,488	81,749	62,275	74,893
158,000	0,221	0,717	0,602	0,366	0,385	140,221	20,248	21,607	23,627	22,856	20,999	21,029	21,742	20,483	81,367	62,273	74,989
158,167	0,224	0,697	0,602	0,379	0,380	140,206	20,244	14,155	23,637	22,880	20,986	21,023	21,738	20,484	81,566	62,290	74,863
158,333	0,221	0,693	0,602	0,371	0,383	140,266	20,274	11,099	23,683	22,895	21,001	21,030	21,753	20,485	81,455	62,283	74,951
158,500	0,225	0,716	0,601	0,362	0,384	140,237	20,259	15,266	23,676	22,915	21,016	21,043	21,759	20,497	81,604	62,304	74,851
158,667	0,223	0,723	0,601	0,362	0,370	140,300	20,277	21,145	23,711	22,929	21,023	21,050	21,756	20,508	81,864	62,256	74,840
158,833	0,227	0,734	0,601	0,370	0,376	140,359	20,264	26,283	23,688	22,916	20,999	21,041	21,756	20,495	81,602	62,244	74,874
159,000	0,225	0,748	0,601	0,376	0,375	140,318	20,256	27,313	23,679	22,897	20,993	21,034	21,737	20,484	81,498	62,258	74,912
159,167	0,227	0,737	0,601	0,367	0,382	140,294	20,249	22,127	23,681	22,906	21,004	21,040	21,738	20,483	81,658	62,267	74,876
159,334	0,232	0,724	0,601	0,363	0,378	140,233	20,256	21,111	23,686	22,908	21,016	21,042	21,752	20,495	81,743	62,271	74,931
159,500	0,232	0,703	0,601	0,367	0,378	140,364	20,253	23,675	23,695	22,918	21,013	21,051	21,745	20,491	81,574	62,270	74,927
159,667	0,231	0,714	0,601	0,371	0,380	140,279	20,271	21,514	23,710	22,925	21,006	21,020	21,757	20,488	81,600	62,274	74,924

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
153,667	55,525	1,608	1,606	35373,324	35889,574	185,372	12,756	525,940	14,512	15,140	5,023	2017-09-13 14:22
153,834	55,524	1,608	1,606	35436,718	35095,195	167,521	12,597	525,939	15,256	14,786	4,964	2017-09-13 14:22
154,000	55,526	1,608	1,606	35303,976	34899,016	190,146	13,103	525,846	15,349	14,779	4,963	2017-09-13 14:22
154,167	55,538	1,610	1,607	35356,799	35237,048	139,721	13,015	525,846	14,498	15,055	5,009	2017-09-13 14:22
154,334	55,538	1,610	1,607	35508,271	35367,730	166,075	12,839	525,772	14,817	15,228	5,038	2017-09-13 14:22
154,500	55,559	1,608	1,606	35509,253	35538,931	180,480	12,361	525,846	14,553	15,047	5,008	2017-09-13 14:22
154,667	55,548	1,608	1,606	35461,910	34632,469	162,698	12,419	525,846	15,025	15,117	5,020	2017-09-13 14:23
154,834	55,533	1,605	1,606	35363,191	34677,620	168,771	12,289	525,846	14,719	15,169	5,028	2017-09-13 14:23
155,000	55,522	1,609	1,606	35157,036	35152,065	194,156	12,178	525,846	14,618	15,037	5,006	2017-09-13 14:23
155,167	55,529	1,617	1,607	35273,520	35322,932	225,408	12,090	525,753	15,092	15,094	5,016	2017-09-13 14:23
155,334	55,528	1,613	1,608	35305,319	35923,718	189,747	12,078	525,753	14,788	15,105	5,018	2017-09-13 14:23
155,500	55,533	1,609	1,607	35248,294	34941,157	178,844	12,161	525,753	14,442	14,973	4,996	2017-09-13 14:23
155,667	55,532	1,609	1,605	35168,221	34559,635	168,347	12,250	525,753	14,792	15,392	5,065	2017-09-13 14:24
155,833	55,530	1,607	1,607	34977,658	35091,500	153,046	12,347	525,753	14,960	15,400	5,066	2017-09-13 14:24
156,000	55,533	1,608	1,606	34956,750	34882,162	142,987	12,460	525,613	14,644	15,137	5,023	2017-09-13 14:24
156,167	55,542	1,608	1,607	35046,577	35118,340	144,471	13,141	525,613	14,193	15,421	5,070	2017-09-13 14:24
156,333	55,540	1,610	1,607	35075,013	34893,752	164,251	13,130	525,519	14,960	15,327	5,054	2017-09-13 14:24
156,500	55,546	1,608	1,606	35189,512	34659,018	155,419	12,931	525,519	14,671	14,943	4,990	2017-09-13 14:24
156,667	55,544	1,607	1,605	34991,590	34796,705	220,767	13,312	525,519	14,308	14,752	4,959	2017-09-13 14:25
156,833	55,544	1,608	1,605	34921,685	35350,357	201,786	13,596	525,519	14,928	15,092	5,015	2017-09-13 14:25
157,000	55,538	1,610	1,607	35224,002	35425,098	228,171	13,195	525,519	15,005	14,864	4,977	2017-09-13 14:25
157,167	55,538	1,607	1,606	35357,328	35931,216	209,864	13,315	525,425	14,829	14,791	4,965	2017-09-13 14:25
157,333	55,529	1,607	1,607	35535,990	35793,271	180,744	13,129	525,424	14,744	14,828	4,971	2017-09-13 14:25
157,500	55,536	1,614	1,606	35540,220	35252,627	171,103	13,127	525,425	15,122	15,185	5,031	2017-09-13 14:25
157,667	55,534	1,614	1,606	35637,270	35708,122	158,755	13,483	525,424	14,674	14,528	4,921	2017-09-13 14:26
157,833	55,528	1,608	1,606	35633,691	35795,092	140,072	13,033	525,424	14,274	14,794	4,966	2017-09-13 14:26
158,000	55,532	1,609	1,607	35832,375	35118,056	138,370	12,933	525,332	14,654	15,408	5,068	2017-09-13 14:26
158,167	55,530	1,611	1,606	35577,477	35495,462	158,918	12,436	525,332	15,163	15,183	5,030	2017-09-13 14:26
158,333	55,518	1,608	1,604	35724,454	35232,771	136,268	12,321	525,332	14,835	15,314	5,052	2017-09-13 14:26
158,500	55,513	1,610	1,606	35587,419	35506,255	162,900	12,901	525,237	14,463	15,361	5,060	2017-09-13 14:26
158,667	55,517	1,608	1,604	35523,021	36034,462	151,576	13,084	525,237	14,491	14,799	4,966	2017-09-13 14:27
158,833	55,528	1,606	1,605	35584,856	35528,358	174,636	13,343	525,236	14,790	15,058	5,010	2017-09-13 14:27
159,000	55,528	1,606	1,605	35649,717	35311,770	164,546	13,700	525,236	15,045	14,988	4,998	2017-09-13 14:27
159,167	55,522	1,608	1,606	35625,250	35635,555	179,483	13,428	525,237	14,678	15,273	5,045	2017-09-13 14:27
159,334	55,524	1,609	1,608	35763,582	35811,843	210,072	13,091	525,237	14,502	15,114	5,019	2017-09-13 14:27
159,500	55,530	1,608	1,606	35689,568	35485,975	206,091	12,575	525,143	14,686	15,112	5,019	2017-09-13 14:27
159,667	55,533	1,608	1,606	35685,951	35523,807	201,282	12,839	525,144	14,858	15,207	5,034	2017-09-13 14:28

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
159,834	0,225	0,713	0,600	0,363	0,372	140,222	20,264	12,305	23,732	22,926	21,000	21,036	21,754	20,488	81,662	62,290	74,971
160,000	0,233	0,706	0,601	0,363	0,376	140,235	20,266	11,572	23,734	22,936	21,017	21,047	21,758	20,489	81,687	62,322	74,994
160,167	0,225	0,697	0,600	0,382	0,378	140,139	20,279	18,905	23,743	22,938	21,021	21,048	21,759	20,496	81,662	62,322	74,959
160,334	0,227	0,698	0,600	0,377	0,370	140,113	20,272	24,891	23,747	22,947	21,016	21,054	21,775	20,495	81,628	62,308	74,936
160,500	0,230	0,689	0,600	0,358	0,381	140,093	20,268	29,749	23,734	22,947	21,013	21,046	21,765	20,492	81,806	62,305	74,992
160,667	0,227	0,698	0,600	0,368	0,382	140,115	20,266	30,023	23,753	22,950	21,026	21,046	21,769	20,495	81,725	62,289	74,939
160,834	0,224	0,688	0,600	0,362	0,376	140,126	20,249	27,110	23,779	22,956	21,013	21,055	21,770	20,493	81,663	62,278	74,917
161,000	0,230	0,700	0,600	0,375	0,369	140,107	20,259	24,554	23,798	22,972	21,028	21,037	21,771	20,496	81,355	62,281	74,828
161,167	0,227	0,714	0,600	0,365	0,379	139,991	20,225	21,816	23,788	22,958	21,021	21,046	21,778	20,499	81,442	62,255	74,755
161,334	0,226	0,709	0,600	0,369	0,379	139,910	20,232	21,454	23,779	22,956	21,033	21,054	21,771	20,493	81,365	62,215	74,750
161,500	0,230	0,686	0,600	0,376	0,380	139,835	20,244	27,864	23,798	22,963	21,017	21,035	21,774	20,496	81,486	62,217	74,790
161,667	0,228	0,693	0,600	0,365	0,369	139,924	20,261	23,118	23,802	22,974	21,035	21,063	21,778	20,500	81,250	62,251	74,843
161,834	0,228	0,696	0,599	0,369	0,363	139,954	20,222	19,916	23,818	22,981	21,032	21,038	21,774	20,500	81,371	62,242	74,717
162,000	0,226	0,713	0,599	0,371	0,381	139,932	20,264	24,807	23,838	22,989	21,047	21,065	21,786	20,501	81,382	62,235	74,762
162,167	0,230	0,710	0,599	0,361	0,370	139,902	20,248	24,282	23,824	22,984	21,020	21,043	21,765	20,496	81,609	62,260	74,777
162,333	0,224	0,729	0,599	0,362	0,376	139,944	20,243	15,633	23,831	22,964	21,039	21,051	21,777	20,500	81,435	62,223	74,793
162,500	0,229	0,721	0,599	0,358	0,379	140,058	20,257	19,910	23,844	22,994	21,033	21,056	21,777	20,501	81,092	62,243	74,785
162,667	0,224	0,722	0,599	0,356	0,366	140,083	20,272	19,092	23,845	22,994	21,038	21,052	21,778	20,505	81,451	62,246	74,753
162,833	0,223	0,713	0,599	0,360	0,366	140,136	20,269	17,217	23,868	23,006	21,034	21,055	21,783	20,501	81,429	62,235	74,769
163,000	0,226	0,716	0,598	0,362	0,372	140,047	20,248	17,707	23,868	22,997	21,028	21,049	21,779	20,503	81,610	62,269	74,804
163,167	0,226	0,734	0,598	0,356	0,381	139,969	20,263	18,671	23,852	22,999	21,041	21,072	21,786	20,508	81,524	62,242	74,839
163,333	0,224	0,709	0,598	0,369	0,386	139,902	20,264	20,474	23,861	22,993	21,025	21,050	21,784	20,499	81,421	62,244	74,869
163,500	0,222	0,703	0,598	0,372	0,374	139,829	20,240	12,718	23,871	22,977	21,054	21,066	21,783	20,504	81,494	62,298	74,862
163,667	0,228	0,680	0,598	0,365	0,373	139,862	20,257	20,080	23,885	23,003	21,046	21,038	21,788	20,503	81,481	62,248	74,835
163,833	0,229	0,702	0,598	0,370	0,361	139,901	20,260	27,475	23,923	23,031	21,051	21,053	21,787	20,508	81,304	62,240	74,773
164,000	0,231	0,729	0,598	0,368	0,381	139,918	20,251	26,893	23,898	23,016	21,032	21,037	21,778	20,503	81,396	62,213	74,739
164,167	0,233	0,745	0,598	0,373	0,379	139,997	20,265	21,084	23,919	23,036	21,045	21,066	21,800	20,511	81,325	62,208	74,738
164,333	0,225	0,747	0,598	0,373	0,376	139,961	20,272	13,784	23,882	23,008	21,049	21,045	21,799	20,503	81,647	62,226	74,821
164,500	0,225	0,720	0,598	0,362	0,351	139,910	20,256	18,224	23,899	23,001	21,052	21,051	21,787	20,501	81,608	62,250	74,831
164,667	0,226	0,690	0,597	0,371	0,371	139,943	20,247	16,682	23,924	23,024	21,045	21,046	21,792	20,505	81,552	62,255	74,877
164,833	0,226	0,698	0,597	0,358	0,366	140,034	20,258	15,980	23,949	23,042	21,062	21,066	21,790	20,511	81,539	62,255	74,855
165,000	0,225	0,733	0,597	0,369	0,379	140,135	20,248	19,675	23,950	23,048	21,054	21,055	21,803	20,509	81,431	62,220	74,772
165,167	0,233	0,751	0,597	0,365	0,380	140,140	20,242	25,330	23,923	23,011	21,055	21,054	21,794	20,504	81,609	62,265	74,877
165,333	0,223	0,726	0,597	0,371	0,360	140,053	20,250	27,408	23,958	23,018	21,062	21,054	21,794	20,505	81,558	62,258	74,912
165,500	0,223	0,705	0,597	0,363	0,369	139,951	20,248	25,508	23,945	23,035	21,055	21,056	21,799	20,508	81,537	62,313	74,898
165,667	0,219	0,697	0,597	0,371	0,378	139,847	20,260	20,290	23,961	23,023	21,059	21,066	21,808	20,511	81,351	62,258	74,853
165,833	0,223	0,706	0,597	0,355	0,381	139,799	20,278	13,829	23,963	23,024	21,058	21,063	21,790	20,505	81,527	62,260	74,846

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
159,834	55,545	1,614	1,604	35716,267	35728,733	161,458	12,826	525,050	14,505	14,884	4,981	2017-09-13 14:28
160,000	55,542	1,611	1,607	35819,643	35657,391	214,502	12,646	525,144	14,508	15,034	5,006	2017-09-13 14:28
160,167	55,534	1,611	1,606	35748,190	35610,923	161,875	12,428	525,050	15,291	15,118	5,020	2017-09-13 14:28
160,334	55,538	1,610	1,604	35657,072	35542,721	173,827	12,451	525,050	15,092	14,818	4,970	2017-09-13 14:28
160,500	55,528	1,611	1,606	35816,109	35912,684	195,229	12,232	525,050	14,330	15,255	5,042	2017-09-13 14:28
160,667	55,532	1,608	1,604	35681,453	35718,533	174,261	12,458	525,050	14,702	15,272	5,045	2017-09-13 14:29
160,834	55,537	1,610	1,604	35624,728	35663,697	155,812	12,196	525,049	14,481	15,056	5,009	2017-09-13 14:29
161,000	55,528	1,611	1,607	35551,150	35116,405	194,305	12,498	524,957	14,988	14,752	4,958	2017-09-13 14:29
161,167	55,524	1,609	1,607	35416,330	35271,084	173,945	12,862	524,958	14,598	15,154	5,026	2017-09-13 14:29
161,334	55,525	1,609	1,607	35411,575	35222,590	171,304	12,728	524,957	14,752	15,141	5,024	2017-09-13 14:29
161,500	55,526	1,608	1,604	35412,246	35413,550	192,693	12,148	524,957	15,051	15,212	5,035	2017-09-13 14:29
161,667	55,537	1,608	1,606	35522,759	34916,195	179,910	12,335	524,958	14,602	14,747	4,958	2017-09-13 14:30
161,834	55,538	1,610	1,606	35293,704	35193,162	179,904	12,395	524,815	14,764	14,518	4,919	2017-09-13 14:30
162,000	55,529	1,617	1,604	35355,044	35386,410	170,710	12,816	524,814	14,846	15,246	5,041	2017-09-13 14:30
162,167	55,537	1,611	1,606	35406,355	35629,318	196,657	12,760	524,814	14,432	14,795	4,966	2017-09-13 14:30
162,333	55,538	1,608	1,606	35427,534	35308,591	155,575	13,218	524,770	14,482	15,028	5,005	2017-09-13 14:30
162,500	55,533	1,605	1,606	35421,837	34574,101	192,036	13,028	524,721	14,329	15,173	5,029	2017-09-13 14:30
162,667	55,526	1,610	1,608	35416,863	35332,490	159,849	13,060	524,720	14,243	14,654	4,942	2017-09-13 14:31
162,833	55,533	1,608	1,606	35389,154	35279,364	153,477	12,815	524,720	14,413	14,633	4,938	2017-09-13 14:31
163,000	55,536	1,611	1,607	35487,837	35608,641	168,365	12,906	524,627	14,492	14,872	4,979	2017-09-13 14:31
163,167	55,526	1,608	1,607	35572,238	35440,396	170,457	13,345	524,627	14,228	15,249	5,041	2017-09-13 14:31
163,333	55,525	1,608	1,607	35624,528	35247,020	159,571	12,722	524,627	14,773	15,441	5,073	2017-09-13 14:31
163,500	55,517	1,608	1,604	35561,439	35280,068	146,139	12,581	524,627	14,882	14,951	4,992	2017-09-13 14:31
163,667	55,506	1,607	1,606	35572,771	35315,872	184,483	12,010	524,546	14,595	14,940	4,990	2017-09-13 14:32
163,833	55,509	1,609	1,606	35442,767	35062,409	187,023	12,562	524,628	14,789	14,430	4,904	2017-09-13 14:32
164,000	55,513	1,608	1,604	35346,099	35256,636	204,464	13,219	524,534	14,735	15,252	5,042	2017-09-13 14:32
164,167	55,517	1,608	1,603	35303,537	35133,839	211,396	13,623	524,533	14,928	15,172	5,029	2017-09-13 14:32
164,333	55,512	1,611	1,606	35531,562	35758,631	161,051	13,687	524,533	14,911	15,024	5,004	2017-09-13 14:32
164,500	55,505	1,608	1,607	35588,660	35580,955	161,006	12,990	524,533	14,470	14,043	4,838	2017-09-13 14:32
164,667	55,508	1,610	1,605	35620,112	35496,683	167,309	12,260	524,440	14,840	14,836	4,973	2017-09-13 14:33
164,833	55,512	1,609	1,606	35591,773	35459,062	172,162	12,438	524,439	14,313	14,625	4,937	2017-09-13 14:33
165,000	55,506	1,611	1,604	35416,088	35368,814	162,316	13,334	524,440	14,764	15,155	5,026	2017-09-13 14:33
165,167	55,505	1,617	1,607	35676,769	35751,113	213,668	13,769	524,440	14,603	15,204	5,034	2017-09-13 14:33
165,333	55,510	1,610	1,606	35704,419	35507,891	149,089	13,159	524,346	14,826	14,414	4,901	2017-09-13 14:33
165,500	55,518	1,612	1,606	35659,624	35417,399	149,704	12,625	524,347	14,533	14,753	4,959	2017-09-13 14:33
165,667	55,513	1,607	1,607	35621,244	35055,200	128,937	12,427	524,346	14,839	15,107	5,018	2017-09-13 14:34
165,833	55,513	1,613	1,608	35616,526	35510,786	153,258	12,648	524,346	14,188	15,250	5,041	2017-09-13 14:34

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
166,000	0,224	0,697	0,597	0,370	0,382	139,964	20,294	12,731	24,002	23,044	21,058	21,054	21,804	20,513	81,510	62,246	74,797
166,167	0,230	0,692	0,596	0,365	0,375	139,987	20,263	13,627	24,010	23,059	21,058	21,064	21,790	20,508	81,297	62,242	74,836
166,334	0,229	0,717	0,596	0,370	0,372	140,034	20,264	18,419	24,009	23,045	21,063	21,055	21,813	20,513	81,454	62,247	74,772
166,500	0,220	0,718	0,596	0,370	0,379	139,962	20,268	17,232	24,002	23,057	21,071	21,053	21,799	20,509	81,533	62,219	74,769
166,667	0,223	0,723	0,596	0,363	0,375	139,923	20,277	11,513	23,998	23,050	21,064	21,062	21,792	20,508	81,377	62,197	74,777
166,834	0,227	0,722	0,596	0,362	0,382	139,942	20,290	13,748	24,004	23,044	21,055	21,049	21,804	20,512	81,177	62,195	74,754
167,000	0,226	0,716	0,595	0,363	0,370	139,961	20,282	19,157	24,018	23,050	21,072	21,064	21,799	20,512	81,531	62,244	74,717
167,167	0,227	0,719	0,595	0,365	0,385	140,019	20,301	28,595	24,006	23,050	21,070	21,055	21,796	20,509	81,717	62,219	74,799
167,334	0,234	0,729	0,595	0,372	0,375	139,965	20,281	29,295	23,984	23,037	21,081	21,047	21,802	20,512	81,390	62,255	74,846
167,500	0,227	0,717	0,595	0,364	0,379	139,957	20,286	25,687	24,017	23,062	21,063	21,071	21,802	20,515	81,581	62,260	74,871
167,667	0,227	0,710	0,595	0,371	0,380	139,868	20,284	23,691	24,024	23,045	21,089	21,057	21,800	20,512	81,709	62,260	74,817
167,834	0,228	0,699	0,595	0,372	0,363	139,904	20,267	22,882	24,039	23,055	21,080	21,070	21,822	20,512	81,421	62,269	74,894
168,000	0,230	0,703	0,595	0,358	0,372	139,870	20,301	19,986	24,036	23,075	21,088	21,066	21,809	20,515	81,281	62,265	74,908
168,167	0,227	0,705	0,595	0,366	0,369	139,838	20,278	18,546	24,030	23,071	21,067	21,063	21,807	20,513	81,532	62,232	74,838
168,334	0,224	0,710	0,594	0,370	0,373	139,914	20,303	12,618	24,030	23,050	21,083	21,064	21,808	20,511	81,485	62,193	74,777
168,500	0,225	0,697	0,594	0,369	0,370	139,838	20,299	10,136	24,039	23,058	21,075	21,066	21,812	20,512	81,517	62,189	74,813
168,667	0,226	0,679	0,594	0,374	0,389	139,705	20,289	15,965	24,039	23,062	21,080	21,058	21,808	20,508	81,423	62,166	74,750
168,834	0,223	0,694	0,594	0,365	0,377	139,711	20,297	20,153	24,052	23,082	21,094	21,064	21,826	20,513	81,216	62,103	74,681
169,000	0,221	0,698	0,594	0,357	0,369	139,781	20,305	23,515	24,066	23,082	21,079	21,063	21,804	20,516	81,525	62,177	74,751
169,167	0,221	0,704	0,594	0,359	0,369	139,921	20,303	11,532	24,084	23,079	21,083	21,071	21,825	20,516	81,294	62,145	74,674
169,333	0,230	0,713	0,594	0,357	0,371	140,042	20,301	18,472	24,075	23,104	21,097	21,057	21,817	20,517	81,514	62,122	74,709
169,500	0,223	0,728	0,594	0,375	0,373	140,258	20,302	25,084	24,066	23,084	21,092	21,079	21,809	20,517	81,601	62,134	74,773
169,667	0,229	0,742	0,594	0,363	0,372	140,129	20,282	14,863	24,078	23,082	21,096	21,059	21,813	20,515	81,170	62,154	74,753
169,833	0,228	0,729	0,594	0,361	0,384	140,113	20,285	20,336	24,061	23,074	21,098	21,066	21,819	20,515	81,677	62,160	74,689
170,000	0,228	0,728	0,593	0,364	0,374	140,042	20,275	24,744	24,075	23,067	21,102	21,074	21,813	20,516	81,500	62,115	74,727
170,167	0,229	0,713	0,593	0,361	0,374	139,916	20,282	22,094	24,079	23,080	21,081	21,061	21,826	20,516	81,388	62,114	74,749
170,333	0,228	0,695	0,593	0,374	0,378	139,911	20,296	12,513	24,073	23,078	21,105	21,067	21,807	20,517	81,303	62,104	74,667
170,500	0,231	0,685	0,593	0,368	0,385	139,883	20,290	10,651	24,088	23,083	21,104	21,069	21,829	20,523	81,363	62,106	74,704
170,667	0,231	0,682	0,593	0,364	0,379	140,016	20,285	11,180	24,120	23,096	21,108	21,058	21,824	20,519	81,504	62,096	74,685
170,833	0,230	0,728	0,593	0,362	0,390	139,999	20,287	17,410	24,100	23,105	21,105	21,070	21,825	20,524	81,281	62,088	74,699
171,000	0,230	0,753	0,593	0,363	0,381	139,974	20,285	20,216	24,114	23,105	21,119	21,054	21,820	20,524	81,359	62,114	74,709
171,167	0,228	0,734	0,593	0,368	0,373	139,983	20,270	20,627	24,100	23,095	21,115	21,078	21,840	20,521	81,365	62,091	74,666
171,333	0,222	0,717	0,593	0,360	0,381	139,957	20,269	22,695	24,125	23,106	21,102	21,063	21,817	20,517	81,439	62,090	74,720
171,500	0,222	0,725	0,592	0,360	0,369	140,048	20,280	19,734	24,131	23,091	21,113	21,066	21,828	20,517	81,271	62,121	74,735
171,667	0,223	0,728	0,592	0,363	0,373	140,157	20,280	16,860	24,129	23,100	21,104	21,068	21,829	20,520	81,373	62,126	74,747
171,833	0,223	0,719	0,592	0,352	0,365	140,174	20,267	11,788	24,123	23,096	21,109	21,068	21,825	20,521	81,654	62,119	74,676
172,000	0,225	0,719	0,592	0,372	0,368	140,179	20,194	15,096	24,118	23,101	21,129	21,067	21,819	20,523	81,501	62,100	74,682

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
166,000	55,506	1,608	1,608	35553,762	35407,237	157,469	12,437	524,346	14,806	15,269	5,045	2017-09-13 14:34
166,167	55,502	1,613	1,607	35612,205	35122,193	197,696	12,302	524,253	14,600	15,008	5,001	2017-09-13 14:34
166,334	55,492	1,612	1,609	35540,719	35394,927	191,637	12,925	524,253	14,815	14,888	4,981	2017-09-13 14:34
166,500	55,494	1,611	1,607	35503,684	35566,871	134,684	12,940	524,254	14,790	15,159	5,026	2017-09-13 14:34
166,667	55,512	1,607	1,606	35445,234	35218,579	148,859	13,067	524,253	14,530	15,017	5,003	2017-09-13 14:35
166,834	55,506	1,611	1,606	35419,216	34947,654	179,480	13,057	524,254	14,471	15,261	5,043	2017-09-13 14:35
167,000	55,512	1,616	1,606	35341,277	35622,048	168,615	12,894	524,116	14,537	14,800	4,967	2017-09-13 14:35
167,167	55,516	1,609	1,601	35381,696	35862,212	176,964	12,970	524,116	14,584	15,412	5,068	2017-09-13 14:35
167,334	55,512	1,610	1,606	35577,147	35203,000	219,929	13,226	524,116	14,875	14,998	5,000	2017-09-13 14:35
167,500	55,522	1,610	1,604	35573,110	35541,698	178,858	12,930	524,116	14,557	15,152	5,025	2017-09-13 14:35
167,667	55,516	1,611	1,603	35448,449	35808,190	175,060	12,747	524,022	14,845	15,211	5,035	2017-09-13 14:36
167,834	55,510	1,610	1,604	35638,485	35237,955	183,652	12,478	524,023	14,895	14,535	4,922	2017-09-13 14:36
168,000	55,462	1,607	1,605	35756,239	34933,701	192,259	12,568	524,022	14,337	14,876	4,979	2017-09-13 14:36
168,167	55,418	1,609	1,604	35699,787	35487,750	176,985	12,633	524,022	14,653	14,761	4,960	2017-09-13 14:36
168,334	55,403	1,610	1,604	35617,238	35488,549	155,294	12,741	523,928	14,812	14,900	4,983	2017-09-13 14:36
168,500	55,407	1,610	1,604	35662,924	35555,747	163,546	12,416	523,928	14,778	14,809	4,968	2017-09-13 14:36
168,667	55,398	1,607	1,605	35593,529	35361,170	167,260	11,974	523,928	14,976	15,578	5,095	2017-09-13 14:37
168,834	55,390	1,610	1,603	35433,465	35160,789	150,975	12,338	523,928	14,602	15,084	5,014	2017-09-13 14:37
169,000	55,386	1,616	1,603	35576,519	35731,504	136,918	12,461	523,928	14,295	14,755	4,959	2017-09-13 14:37
169,167	55,390	1,608	1,604	35448,861	35189,975	136,494	12,606	523,835	14,343	14,758	4,959	2017-09-13 14:37
169,333	55,392	1,608	1,604	35512,760	35647,012	196,459	12,824	523,835	14,296	14,847	4,974	2017-09-13 14:37
169,500	55,403	1,611	1,605	35617,517	35847,522	151,510	13,194	523,835	15,000	14,916	4,986	2017-09-13 14:37
169,667	55,390	1,613	1,605	35623,831	35045,491	191,216	13,560	523,835	14,520	14,899	4,983	2017-09-13 14:38
169,833	55,367	1,610	1,606	35558,857	35907,059	180,984	13,232	523,835	14,442	15,361	5,060	2017-09-13 14:38
170,000	55,352	1,610	1,603	35588,254	35663,041	179,879	13,192	523,740	14,562	14,964	4,994	2017-09-13 14:38
170,167	55,355	1,607	1,604	35647,374	35390,306	189,955	12,815	523,740	14,453	14,964	4,994	2017-09-13 14:38
170,333	55,355	1,607	1,603	35480,825	35256,205	181,352	12,368	523,740	14,966	15,135	5,022	2017-09-13 14:38
170,500	55,354	1,607	1,604	35563,668	35359,217	202,720	12,114	523,740	14,736	15,383	5,063	2017-09-13 14:38
170,667	55,360	1,608	1,605	35535,931	35670,417	200,618	12,054	523,740	14,561	15,176	5,029	2017-09-13 14:39
170,833	55,347	1,608	1,604	35578,037	35278,820	194,969	13,197	523,647	14,496	15,607	5,100	2017-09-13 14:39
171,000	55,339	1,610	1,606	35648,429	35403,138	197,394	13,822	523,647	14,522	15,245	5,041	2017-09-13 14:39
171,167	55,327	1,607	1,606	35584,149	35409,504	185,549	13,353	523,646	14,702	14,933	4,989	2017-09-13 14:39
171,333	55,367	1,609	1,604	35583,389	35580,778	143,189	12,913	523,647	14,406	15,223	5,037	2017-09-13 14:39
171,500	55,387	1,606	1,604	35569,910	35153,476	142,998	13,119	523,553	14,388	14,750	4,958	2017-09-13 14:39
171,667	55,383	1,606	1,603	35567,022	35321,056	150,517	13,196	523,553	14,518	14,938	4,990	2017-09-13 14:40
171,833	55,378	1,606	1,604	35476,480	35862,732	150,319	12,985	523,553	14,073	14,595	4,932	2017-09-13 14:40
172,000	55,380	1,607	1,603	35453,328	35623,829	166,624	12,986	523,553	14,898	14,710	4,951	2017-09-13 14:40

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
172,167	0,224	0,708	0,592	0,365	0,366	140,123	20,134	20,169	24,125	23,110	21,117	21,062	21,839	20,519	81,556	62,084	74,697
172,333	0,227	0,717	0,592	0,361	0,367	140,038	20,172	18,504	24,113	23,094	21,121	21,078	21,829	20,525	81,548	62,157	74,796
172,500	0,222	0,733	0,592	0,373	0,370	140,018	20,212	9,468	24,088	23,083	21,117	21,084	21,828	20,523	81,274	62,166	74,767
172,667	0,224	0,699	0,592	0,357	0,364	139,885	20,195	12,201	24,129	23,097	21,122	21,070	21,842	20,524	81,678	62,172	74,759
172,833	0,227	0,695	0,592	0,374	0,388	139,925	20,241	18,733	24,117	23,091	21,133	21,063	21,827	20,527	81,303	62,141	74,719
173,000	0,223	0,696	0,591	0,356	0,375	139,822	20,237	23,295	24,107	23,101	21,119	21,070	21,837	20,525	81,385	62,143	74,736
173,167	0,226	0,691	0,591	0,362	0,381	139,794	20,203	15,968	24,121	23,096	21,122	21,079	21,825	20,523	81,165	62,096	74,622
173,334	0,239	0,682	0,591	0,363	0,373	139,809	20,213	17,686	24,109	23,101	21,147	21,071	21,847	20,524	81,350	62,107	74,667
173,500	0,228	0,697	0,591	0,365	0,371	139,745	20,246	18,274	24,120	23,100	21,132	21,072	21,843	20,523	81,085	62,109	74,638
173,667	0,223	0,690	0,591	0,377	0,376	139,667	20,198	18,601	24,113	23,101	21,126	21,061	21,838	20,528	81,270	62,100	74,573
173,834	0,225	0,679	0,591	0,377	0,357	139,637	20,210	18,662	24,118	23,081	21,134	21,079	21,837	20,525	81,101	62,092	74,612
174,000	0,234	0,662	0,591	0,365	0,377	139,577	20,216	21,684	24,113	23,095	21,113	21,082	21,821	20,523	81,089	62,091	74,528
174,167	0,233	0,658	0,591	0,354	0,370	139,623	20,234	20,211	24,139	23,118	21,142	21,071	21,836	20,528	80,937	62,118	74,543
174,334	0,230	0,697	0,591	0,363	0,374	139,611	20,225	10,240	24,144	23,110	21,125	21,086	21,841	20,525	80,953	62,099	74,473
174,500	0,231	0,702	0,590	0,362	0,376	139,684	20,236	12,849	24,177	23,120	21,123	21,067	21,837	20,527	80,779	62,075	74,488
174,667	0,229	0,721	0,590	0,363	0,372	139,680	20,229	21,688	24,186	23,152	21,136	21,071	21,837	20,528	80,775	62,075	74,351
174,834	0,225	0,733	0,590	0,379	0,389	139,720	20,206	19,581	24,220	23,182	21,151	21,082	21,858	20,537	81,228	62,074	74,447
175,000	0,225	0,734	0,590	0,368	0,373	139,811	20,194	20,334	24,200	23,178	21,161	21,071	21,841	20,527	81,243	62,082	74,458
175,167	0,225	0,736	0,590	0,362	0,374	139,769	20,250	13,983	24,236	23,171	21,159	21,092	21,842	20,534	81,405	62,095	74,541
175,334	0,224	0,725	0,590	0,374	0,383	139,959	20,208	17,973	24,217	23,193	21,150	21,074	21,848	20,534	81,239	62,141	74,573
175,500	0,227	0,718	0,590	0,366	0,371	139,882	20,198	18,280	24,225	23,180	21,161	21,083	21,848	20,531	81,145	62,133	74,593
175,667	0,231	0,708	0,590	0,361	0,379	139,897	20,207	20,122	24,236	23,204	21,154	21,083	21,845	20,533	81,521	62,209	74,707
175,833	0,229	0,733	0,590	0,375	0,371	140,113	20,204	19,473	24,202	23,191	21,152	21,090	21,833	20,532	81,513	62,189	74,694
176,000	0,222	0,743	0,590	0,366	0,375	140,109	20,177	21,134	24,197	23,185	21,131	21,074	21,844	20,529	81,162	62,169	74,746
176,167	0,224	0,721	0,589	0,381	0,375	140,041	20,148	22,844	24,203	23,199	21,164	21,083	21,852	20,533	81,359	62,192	74,699
176,333	0,224	0,701	0,589	0,367	0,372	140,090	20,180	22,056	24,216	23,203	21,159	21,082	21,849	20,541	81,389	62,178	74,717
176,500	0,226	0,697	0,589	0,365	0,374	140,208	20,186	20,600	24,204	23,207	21,163	21,101	21,862	20,534	81,350	62,169	74,750
176,667	0,225	0,714	0,589	0,371	0,370	140,142	20,116	11,827	24,203	23,195	21,151	21,086	21,829	20,531	81,431	62,205	74,754
176,833	0,229	0,717	0,589	0,370	0,382	140,189	20,172	10,695	24,190	23,207	21,159	21,090	21,849	20,531	81,389	62,207	74,769
177,000	0,229	0,710	0,589	0,365	0,375	140,124	20,208	11,936	24,198	23,221	21,169	21,078	21,840	20,532	81,458	62,223	74,740
177,167	0,227	0,714	0,589	0,358	0,385	140,081	20,156	16,266	24,211	23,223	21,151	21,086	21,853	20,537	81,498	62,205	74,751
177,333	0,223	0,715	0,588	0,365	0,372	140,064	20,185	21,901	24,203	23,189	21,159	21,077	21,840	20,534	81,608	62,220	74,750
177,500	0,226	0,696	0,589	0,377	0,384	140,087	20,194	11,608	24,208	23,219	21,159	21,079	21,836	20,528	81,312	62,184	74,776
177,667	0,229	0,689	0,588	0,369	0,375	140,174	20,210	8,696	24,237	23,228	21,177	21,087	21,848	20,533	81,059	62,184	74,780
177,833	0,233	0,710	0,588	0,363	0,372	140,159	20,215	15,040	24,225	23,228	21,163	21,073	21,837	20,531	81,401	62,265	74,712
178,000	0,225	0,723	0,588	0,355	0,368	140,143	20,206	19,129	24,224	23,237	21,168	21,084	21,846	20,533	81,240	62,184	74,646
178,167	0,222	0,705	0,587	0,357	0,369	140,150	20,202	12,486	24,229	23,224	21,176	21,077	21,846	20,532	81,100	62,184	74,649

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
172,167	55,383	1,607	1,606	35540,576	35764,686	159,873	12,700	523,460	14,589	14,648	4,941	2017-09-13 14:40
172,333	55,388	1,614	1,604	35680,730	35775,247	178,621	12,930	523,461	14,458	14,686	4,947	2017-09-13 14:40
172,500	55,395	1,610	1,605	35622,461	35155,262	144,242	13,315	523,461	14,929	14,810	4,968	2017-09-13 14:40
172,667	55,405	1,611	1,604	35575,412	35917,299	160,804	12,482	523,460	14,284	14,544	4,923	2017-09-13 14:41
172,833	55,383	1,610	1,606	35579,612	35250,056	178,204	12,378	523,460	14,948	15,521	5,086	2017-09-13 14:41
173,000	55,379	1,607	1,606	35621,887	35330,370	152,344	12,388	523,318	14,222	14,981	4,997	2017-09-13 14:41
173,167	55,398	1,607	1,604	35341,139	35012,982	168,921	12,267	523,318	14,486	15,245	5,041	2017-09-13 14:41
173,334	55,413	1,608	1,604	35400,538	35371,963	249,281	12,039	523,317	14,522	14,925	4,988	2017-09-13 14:41
173,500	55,415	1,607	1,607	35396,912	34845,421	184,097	12,425	523,318	14,598	14,831	4,972	2017-09-13 14:41
173,667	55,419	1,610	1,606	35256,854	35267,463	153,692	12,257	523,318	15,067	15,047	5,008	2017-09-13 14:42
173,834	55,425	1,611	1,606	35307,288	35000,079	166,249	11,968	523,281	15,076	14,285	4,879	2017-09-13 14:42
174,000	55,430	1,616	1,605	35129,267	35085,767	217,209	11,542	523,224	14,589	15,078	5,013	2017-09-13 14:42
174,167	55,434	1,611	1,605	35145,765	34652,327	215,211	11,462	523,224	14,177	14,813	4,969	2017-09-13 14:42
174,334	55,439	1,606	1,603	34960,430	34603,593	195,136	12,415	523,224	14,529	14,949	4,991	2017-09-13 14:42
174,500	55,449	1,606	1,604	35001,336	34327,800	203,992	12,543	523,130	14,500	15,033	5,005	2017-09-13 14:42
174,667	55,455	1,608	1,603	34704,336	34368,235	185,984	13,020	523,130	14,523	14,897	4,983	2017-09-13 14:43
174,834	55,463	1,608	1,603	34869,944	35196,311	162,917	13,333	523,130	15,144	15,540	5,089	2017-09-13 14:43
175,000	55,463	1,606	1,603	34885,096	35162,350	166,669	13,356	523,130	14,726	14,922	4,987	2017-09-13 14:43
175,167	55,482	1,607	1,604	35035,519	35458,889	162,695	13,394	523,036	14,491	14,956	4,993	2017-09-13 14:43
175,334	55,470	1,608	1,606	35151,957	35098,196	160,659	13,129	523,037	14,947	15,312	5,052	2017-09-13 14:43
175,500	55,461	1,610	1,604	35172,942	34980,163	176,947	12,953	523,037	14,637	14,827	4,971	2017-09-13 14:43
175,667	55,458	1,619	1,606	35419,397	35725,505	199,805	12,697	523,037	14,440	15,144	5,024	2017-09-13 14:44
175,833	55,458	1,611	1,607	35432,416	35585,867	187,440	13,336	523,037	15,008	14,827	4,971	2017-09-13 14:44
176,000	55,459	1,609	1,604	35452,944	34936,255	144,971	13,564	523,037	14,654	15,000	5,000	2017-09-13 14:44
176,167	55,455	1,608	1,604	35376,140	35225,956	159,130	13,026	522,943	15,245	14,987	4,998	2017-09-13 14:44
176,333	55,466	1,611	1,606	35429,364	35375,347	155,346	12,526	522,943	14,684	14,894	4,982	2017-09-13 14:44
176,500	55,469	1,607	1,605	35472,246	35226,681	171,638	12,413	522,943	14,589	14,958	4,993	2017-09-13 14:44
176,667	55,478	1,606	1,603	35407,458	35294,365	161,628	12,850	522,849	14,823	14,794	4,965	2017-09-13 14:45
176,833	55,490	1,609	1,604	35445,039	35266,660	186,151	12,927	522,849	14,806	15,265	5,044	2017-09-13 14:45
177,000	55,482	1,608	1,603	35377,197	35352,721	190,542	12,747	522,849	14,596	14,991	4,998	2017-09-13 14:45
177,167	55,479	1,609	1,604	35420,870	35479,580	179,229	12,852	522,849	14,340	15,403	5,067	2017-09-13 14:45
177,333	55,488	1,610	1,605	35429,086	35666,398	152,115	12,883	522,756	14,616	14,869	4,978	2017-09-13 14:45
177,500	55,493	1,606	1,604	35446,954	35106,797	168,987	12,397	522,849	15,086	15,346	5,057	2017-09-13 14:45
177,667	55,494	1,608	1,602	35392,864	34685,982	186,599	12,236	522,756	14,750	14,986	4,998	2017-09-13 14:46
177,833	55,498	1,615	1,605	35338,133	35324,453	215,739	12,738	522,756	14,540	14,876	4,979	2017-09-13 14:46
178,000	55,513	1,608	1,606	35214,533	35014,984	165,846	13,075	522,756	14,196	14,717	4,953	2017-09-13 14:46
178,167	55,518	1,607	1,605	35192,214	34739,757	146,962	12,630	522,616	14,273	14,741	4,957	2017-09-13 14:46

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
178,333	0,229	0,699	0,587	0,371	0,367	140,137	20,207	11,937	24,243	23,234	21,171	21,075	21,840	20,534	81,276	62,197	74,649
178,500	0,233	0,699	0,587	0,369	0,374	140,072	20,206	11,177	24,247	23,245	21,161	21,067	21,846	20,532	81,389	62,197	74,654
178,667	0,232	0,711	0,587	0,373	0,385	140,121	20,218	13,749	24,242	23,234	21,184	21,094	21,845	20,537	81,348	62,219	74,726
178,833	0,229	0,708	0,587	0,366	0,372	140,093	20,187	19,957	24,234	23,246	21,151	21,080	21,840	20,528	81,419	62,209	74,678
179,000	0,227	0,713	0,587	0,365	0,368	140,034	20,130	26,878	24,226	23,241	21,168	21,075	21,854	20,529	81,363	62,192	74,666
179,167	0,222	0,710	0,586	0,365	0,368	140,076	20,172	28,962	24,237	23,233	21,177	21,078	21,849	20,532	81,139	62,201	74,690
179,333	0,225	0,711	0,587	0,378	0,379	140,068	20,193	20,869	24,240	23,247	21,184	21,097	21,841	20,533	80,889	62,223	74,607
179,500	0,228	0,696	0,587	0,362	0,379	140,065	20,204	17,181	24,241	23,250	21,172	21,074	21,848	20,533	81,330	62,201	74,570
179,667	0,225	0,727	0,586	0,367	0,378	140,048	20,208	19,533	24,247	23,247	21,180	21,078	21,857	20,534	81,405	62,205	74,659
179,834	0,221	0,709	0,586	0,369	0,382	139,960	20,203	13,163	24,250	23,242	21,185	21,084	21,863	20,537	81,289	62,224	74,703
180,000	0,227	0,698	0,586	0,372	0,382	139,950	20,195	16,141	24,254	23,255	21,173	21,086	21,869	20,536	81,555	62,250	74,642
180,167	0,230	0,681	0,586	0,361	0,375	140,106	20,202	14,757	24,283	23,276	21,185	21,086	21,862	20,538	81,361	62,247	74,736
180,334	0,230	0,715	0,586	0,363	0,367	140,086	20,201	17,448	24,270	23,259	21,189	21,084	21,855	20,536	81,386	62,263	74,663
180,500	0,222	0,714	0,586	0,356	0,360	140,077	20,197	14,939	24,280	23,264	21,188	21,088	21,856	20,537	81,571	62,236	74,712
180,667	0,225	0,713	0,586	0,361	0,359	140,215	20,207	13,736	24,281	23,292	21,198	21,083	21,858	20,540	81,509	62,263	74,790
180,834	0,226	0,737	0,586	0,362	0,371	140,329	20,227	15,400	24,285	23,287	21,189	21,078	21,856	20,540	81,690	62,269	74,805
181,000	0,221	0,749	0,586	0,364	0,367	140,319	20,168	16,210	24,280	23,288	21,206	21,088	21,878	20,542	81,708	62,302	74,831
181,167	0,221	0,753	0,585	0,373	0,369	140,255	20,185	15,414	24,279	23,276	21,205	21,084	21,863	20,538	81,736	62,343	74,866
181,334	0,228	0,717	0,585	0,365	0,382	140,210	20,223	10,114	24,293	23,285	21,193	21,083	21,854	20,542	81,585	62,304	74,877
181,500	0,224	0,726	0,585	0,367	0,364	140,230	20,229	17,334	24,290	23,274	21,197	21,087	21,866	20,537	81,762	62,334	74,890
181,667	0,225	0,710	0,585	0,354	0,374	140,191	20,249	18,995	24,301	23,261	21,192	21,079	21,856	20,538	81,632	62,328	74,873
181,834	0,230	0,690	0,585	0,372	0,378	140,149	20,223	20,282	24,314	23,289	21,215	21,086	21,859	20,540	81,413	62,316	74,869
182,000	0,228	0,683	0,585	0,368	0,372	140,097	20,249	25,768	24,311	23,288	21,194	21,098	21,866	20,545	81,581	62,318	74,836
182,167	0,230	0,680	0,585	0,364	0,368	140,016	20,262	15,709	24,296	23,289	21,194	21,092	21,854	20,546	81,097	62,304	74,782
182,334	0,227	0,673	0,584	0,370	0,375	140,037	20,260	14,240	24,306	23,305	21,206	21,094	21,867	20,544	81,261	62,305	74,709
182,500	0,227	0,694	0,584	0,371	0,372	140,156	20,186	10,829	24,289	23,304	21,198	21,081	21,858	20,545	81,502	62,290	74,727
182,667	0,225	0,711	0,585	0,371	0,384	140,093	20,224	13,769	24,322	23,322	21,210	21,090	21,867	20,546	81,501	62,321	74,809
182,833	0,228	0,733	0,584	0,371	0,376	140,049	20,205	16,309	24,301	23,304	21,197	21,094	21,853	20,540	81,840	62,320	74,769
183,000	0,229	0,748	0,584	0,374	0,379	140,059	20,240	24,634	24,301	23,312	21,207	21,094	21,887	20,550	81,618	62,317	74,793
183,167	0,229	0,726	0,584	0,366	0,359	140,059	20,217	27,025	24,323	23,326	21,235	21,078	21,872	20,554	81,211	62,329	74,781
183,333	0,229	0,711	0,584	0,376	0,373	140,019	20,215	17,162	24,306	23,311	21,216	21,091	21,853	20,542	81,509	62,361	74,797
183,500	0,227	0,717	0,584	0,371	0,382	139,979	20,249	18,020	24,335	23,326	21,215	21,092	21,869	20,545	81,641	62,320	74,792
183,667	0,227	0,706	0,584	0,365	0,368	139,905	20,254	17,799	24,296	23,315	21,214	21,089	21,867	20,545	81,569	62,340	74,796
183,833	0,223	0,700	0,584	0,372	0,372	139,981	20,244	17,020	24,311	23,322	21,233	21,100	21,869	20,549	81,262	62,344	74,817
184,000	0,228	0,698	0,584	0,357	0,375	139,958	20,264	19,396	24,291	23,325	21,219	21,087	21,867	20,548	81,525	62,314	74,800
184,167	0,232	0,701	0,584	0,366	0,374	139,972	20,263	16,424	24,309	23,334	21,216	21,091	21,870	20,542	81,107	62,411	74,901
184,333	0,224	0,699	0,583	0,363	0,378	140,023	20,271	19,712	24,323	23,348	21,222	21,093	21,877	20,550	81,598	62,375	74,716

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
178,333	55,534	1,607	1,604	35137,589	35028,297	187,210	12,481	522,616	14,841	14,683	4,947	2017-09-13 14:46
178,500	55,536	1,608	1,606	35178,913	35270,090	212,383	12,484	522,616	14,753	14,953	4,992	2017-09-13 14:46
178,667	55,529	1,608	1,604	35289,293	35160,247	206,282	12,766	522,616	14,913	15,401	5,066	2017-09-13 14:47
178,833	55,540	1,607	1,606	35219,645	35273,168	187,165	12,702	522,616	14,637	14,872	4,979	2017-09-13 14:47
179,000	55,550	1,608	1,606	35171,226	35234,243	178,423	12,819	522,529	14,609	14,704	4,950	2017-09-13 14:47
179,167	55,557	1,605	1,604	35169,734	34744,743	147,612	12,760	522,434	14,603	14,735	4,956	2017-09-13 14:47
179,333	55,563	1,605	1,605	35015,980	34238,876	161,645	12,775	522,523	15,138	15,173	5,029	2017-09-13 14:47
179,500	55,567	1,604	1,606	34962,552	35063,604	179,900	12,407	522,500	14,494	15,160	5,027	2017-09-13 14:47
179,667	55,564	1,607	1,604	35104,248	35254,471	162,969	13,179	522,428	14,681	15,114	5,019	2017-09-13 14:48
179,834	55,572	1,604	1,603	35135,533	34941,522	137,543	12,729	522,428	14,756	15,270	5,045	2017-09-13 14:48
180,000	55,581	1,609	1,604	35043,118	35505,705	177,822	12,461	522,428	14,888	15,286	5,047	2017-09-13 14:48
180,167	55,583	1,612	1,606	35240,257	35205,490	195,177	12,025	522,429	14,446	15,006	5,001	2017-09-13 14:48
180,334	55,580	1,608	1,606	35117,714	35133,999	194,382	12,869	522,429	14,521	14,695	4,949	2017-09-13 14:48
180,500	55,575	1,606	1,604	35180,717	35489,767	143,582	12,839	522,336	14,229	14,401	4,899	2017-09-13 14:48
180,667	55,579	1,609	1,605	35333,381	35383,163	162,497	12,814	522,336	14,447	14,369	4,894	2017-09-13 14:49
180,834	55,589	1,610	1,607	35375,579	35726,844	170,265	13,415	522,336	14,480	14,846	4,974	2017-09-13 14:49
181,000	55,599	1,614	1,606	35385,388	35804,100	138,179	13,726	522,336	14,560	14,686	4,947	2017-09-13 14:49
181,167	55,603	1,610	1,604	35412,769	35672,727	136,508	13,814	522,241	14,907	14,773	4,962	2017-09-13 14:49
181,334	55,608	1,610	1,606	35455,391	35475,460	183,889	12,923	522,240	14,605	15,262	5,043	2017-09-13 14:49
181,500	55,605	1,609	1,605	35459,448	35732,254	159,585	13,151	522,241	14,697	14,547	4,924	2017-09-13 14:49
181,667	55,592	1,609	1,607	35502,050	35507,246	163,334	12,738	522,241	14,169	14,951	4,992	2017-09-13 14:50
181,834	55,599	1,608	1,606	35459,265	35100,641	196,136	12,255	522,148	14,867	15,126	5,021	2017-09-13 14:50
182,000	55,613	1,608	1,604	35336,751	35400,402	180,310	12,070	522,147	14,721	14,894	4,982	2017-09-13 14:50
182,167	55,617	1,611	1,607	35295,541	34604,997	198,151	12,007	522,148	14,570	14,717	4,953	2017-09-13 14:50
182,334	55,619	1,610	1,606	35127,463	34869,633	175,077	11,816	522,054	14,810	14,983	4,997	2017-09-13 14:50
182,500	55,623	1,610	1,604	35117,969	35339,733	178,441	12,347	522,054	14,831	14,893	4,982	2017-09-13 14:50
182,667	55,633	1,609	1,605	35256,051	35260,355	163,681	12,772	522,148	14,849	15,371	5,061	2017-09-13 14:51
182,833	55,635	1,606	1,604	35167,133	35831,267	183,545	13,316	522,054	14,847	15,038	5,006	2017-09-13 14:51
183,000	55,655	1,610	1,604	35181,557	35503,714	187,881	13,694	522,054	14,942	15,174	5,029	2017-09-13 14:51
183,167	55,663	1,607	1,604	35145,077	34668,301	187,454	13,145	522,054	14,635	14,371	4,894	2017-09-13 14:51
183,333	55,667	1,609	1,604	35165,317	35206,328	186,623	12,782	522,054	15,052	14,931	4,988	2017-09-13 14:51
183,500	55,658	1,608	1,606	35206,666	35497,053	176,342	12,929	521,962	14,855	15,274	5,046	2017-09-13 14:51
183,667	55,662	1,610	1,604	35174,105	35369,223	176,731	12,642	521,962	14,591	14,706	4,951	2017-09-13 14:52
183,833	55,670	1,607	1,606	35230,805	34737,132	151,820	12,507	521,962	14,866	14,863	4,977	2017-09-13 14:52
184,000	55,670	1,609	1,606	35195,054	35314,897	180,320	12,457	521,962	14,281	14,996	4,999	2017-09-13 14:52
184,167	55,671	1,617	1,604	35349,339	34541,349	208,005	12,534	521,962	14,645	14,975	4,996	2017-09-13 14:52
184,333	55,668	1,610	1,604	35017,106	35365,229	155,582	12,480	521,819	14,532	15,127	5,021	2017-09-13 14:52

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
184,500	0,228	0,724	0,583	0,374	0,378	140,003	20,250	17,255	24,326	23,345	21,226	21,081	21,869	20,546	81,567	62,334	74,808
184,667	0,226	0,722	0,583	0,365	0,374	139,990	20,249	19,286	24,322	23,340	21,220	21,098	21,873	20,548	81,339	62,368	74,858
184,833	0,228	0,711	0,583	0,365	0,379	140,125	20,237	17,484	24,317	23,331	21,232	21,087	21,865	20,542	81,618	62,368	74,819
185,000	0,226	0,696	0,583	0,369	0,375	140,145	20,235	17,659	24,340	23,351	21,224	21,083	21,870	20,549	81,436	62,353	74,817
185,167	0,228	0,709	0,583	0,365	0,383	140,173	20,241	20,690	24,345	23,347	21,237	21,089	21,870	20,545	81,490	62,365	74,839
185,333	0,229	0,713	0,583	0,356	0,375	140,181	20,218	18,695	24,339	23,362	21,218	21,079	21,869	20,545	81,186	62,388	74,811
185,500	0,225	0,716	0,582	0,375	0,381	140,285	20,244	16,124	24,323	23,358	21,215	21,079	21,854	20,541	81,312	62,363	74,823
185,667	0,226	0,740	0,582	0,369	0,364	140,250	20,254	11,859	24,331	23,352	21,241	21,082	21,874	20,545	81,494	62,348	74,766
185,833	0,225	0,719	0,582	0,376	0,368	140,285	20,257	17,650	24,361	23,356	21,226	21,100	21,874	20,549	81,664	62,332	74,859
186,000	0,227	0,701	0,582	0,367	0,378	140,229	20,260	23,479	24,357	23,369	21,223	21,091	21,871	20,544	81,531	62,330	74,894
186,167	0,224	0,730	0,582	0,382	0,378	140,257	20,275	14,286	24,361	23,383	21,235	21,087	21,868	20,553	81,467	62,314	74,809
186,333	0,222	0,727	0,582	0,367	0,363	140,228	20,243	18,878	24,340	23,348	21,233	21,094	21,861	20,545	81,516	62,310	74,855
186,500	0,222	0,712	0,582	0,363	0,371	140,218	20,260	21,573	24,362	23,383	21,239	21,102	21,883	20,558	81,640	62,325	74,877
186,667	0,222	0,701	0,582	0,369	0,376	140,193	20,252	14,572	24,365	23,360	21,236	21,086	21,865	20,546	81,521	62,344	74,898
186,834	0,223	0,706	0,582	0,363	0,371	140,266	20,265	15,699	24,387	23,382	21,252	21,091	21,881	20,552	81,443	62,361	74,874
187,004	0,224	0,708	0,582	0,362	0,370	140,201	20,220	24,421	24,379	23,359	21,230	21,083	21,878	20,550	81,474	62,322	74,882
187,167	0,222	0,718	0,581	0,366	0,371	140,166	20,224	28,567	24,367	23,375	21,243	21,095	21,877	20,549	81,577	62,402	74,931
187,334	0,223	0,710	0,582	0,364	0,382	140,138	20,222	20,803	24,358	23,364	21,240	21,090	21,884	20,549	81,540	62,368	74,900
187,500	0,226	0,712	0,581	0,370	0,379	140,164	20,244	19,370	24,362	23,366	21,241	21,091	21,867	20,546	81,379	62,369	74,923
187,667	0,224	0,717	0,581	0,367	0,364	140,286	20,248	20,714	24,379	23,381	21,245	21,093	21,875	20,552	81,469	62,313	74,803
187,833	0,221	0,732	0,581	0,369	0,374	140,216	20,249	16,886	24,384	23,384	21,236	21,086	21,874	20,548	81,641	62,324	74,892
188,000	0,237	0,721	0,581	0,369	0,387	140,192	20,235	16,117	24,367	23,377	21,254	21,085	21,869	20,549	81,440	62,325	74,889
188,167	0,229	0,699	0,581	0,375	0,371	140,212	20,203	10,509	24,382	23,383	21,263	21,080	21,877	20,549	81,257	62,313	74,823
188,333	0,228	0,689	0,581	0,381	0,368	140,228	20,249	19,137	24,392	23,386	21,232	21,093	21,875	20,550	81,597	62,295	74,790
188,500	0,228	0,686	0,580	0,372	0,380	140,222	20,261	23,942	24,373	23,403	21,267	21,078	21,881	20,552	81,689	62,310	74,878
188,667	0,225	0,715	0,581	0,369	0,377	140,249	20,252	19,903	24,367	23,395	21,249	21,090	21,879	20,552	81,213	62,343	74,894
188,833	0,227	0,735	0,580	0,366	0,376	140,284	20,279	20,684	24,362	23,371	21,265	21,094	21,854	20,549	81,702	62,351	74,840
189,000	0,221	0,725	0,580	0,360	0,371	140,263	20,261	26,414	24,330	23,356	21,244	21,091	21,869	20,549	81,502	62,334	74,870
189,167	0,224	0,707	0,580	0,358	0,373	140,328	20,234	18,016	24,349	23,379	21,273	21,083	21,869	20,549	81,879	62,321	74,826
189,334	0,233	0,699	0,580	0,367	0,374	140,277	20,253	14,639	24,345	23,387	21,265	21,085	21,890	20,554	81,361	62,324	74,975
189,500	0,229	0,692	0,579	0,375	0,377	140,259	20,288	11,343	24,348	23,375	21,254	21,081	21,887	20,548	81,370	62,316	74,838
189,667	0,229	0,693	0,579	0,354	0,373	140,346	20,295	9,370	24,371	23,392	21,253	21,085	21,873	20,550	81,286	62,260	74,792
189,834	0,229	0,706	0,579	0,366	0,375	140,333	20,262	10,342	24,380	23,403	21,270	21,095	21,881	20,554	81,427	62,247	74,785
190,000	0,235	0,728	0,579	0,370	0,381	140,393	20,299	10,540	24,378	23,390	21,257	21,072	21,871	20,552	81,494	62,235	74,847
190,167	0,227	0,727	0,579	0,368	0,372	140,359	20,274	16,583	24,394	23,385	21,278	21,102	21,885	20,554	81,406	62,310	74,871
190,334	0,242	0,737	0,579	0,369	0,368	140,447	20,268	18,716	24,388	23,383	21,265	21,090	21,875	20,553	81,394	62,304	74,859
190,500	0,228	0,723	0,579	0,362	0,373	140,527	20,277	14,968	24,382	23,394	21,282	21,089	21,882	20,554	81,402	62,282	74,850

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
184,500	55,672	1,610	1,606	35208,381	35376,734	185,341	13,094	521,819	14,966	15,136	5,023	2017-09-13 14:52
184,667	55,679	1,611	1,604	35252,081	34929,888	171,745	13,059	521,819	14,615	14,973	4,995	2017-09-13 14:53
184,833	55,687	1,610	1,604	35172,770	35412,334	184,716	12,778	521,819	14,602	15,172	5,029	2017-09-13 14:53
185,000	55,695	1,608	1,604	35149,072	35069,556	172,135	12,402	521,725	14,752	15,002	5,000	2017-09-13 14:53
185,167	55,698	1,608	1,603	35156,313	35146,492	182,433	12,731	521,725	14,618	15,330	5,055	2017-09-13 14:53
185,333	55,687	1,607	1,603	35124,724	34513,996	191,001	12,834	521,725	14,230	15,002	5,000	2017-09-13 14:53
185,500	55,636	1,608	1,606	35302,885	34820,738	162,698	12,888	521,632	14,985	15,254	5,042	2017-09-13 14:53
185,667	55,601	1,609	1,605	35236,057	35199,350	167,507	13,506	521,632	14,779	14,558	4,926	2017-09-13 14:54
185,833	55,600	1,608	1,605	35427,516	35530,917	165,606	12,969	521,632	15,046	14,729	4,955	2017-09-13 14:54
186,000	55,595	1,608	1,605	35486,803	35285,954	173,782	12,532	521,632	14,697	15,126	5,021	2017-09-13 14:54
186,167	55,611	1,611	1,606	35331,500	35256,497	154,922	13,257	521,632	15,279	15,133	5,022	2017-09-13 14:54
186,333	55,621	1,610	1,604	35351,129	35327,150	146,969	13,163	521,632	14,667	14,525	4,920	2017-09-13 14:54
186,500	55,617	1,608	1,604	35403,900	35495,920	142,786	12,794	521,538	14,536	14,843	4,974	2017-09-13 14:54
186,667	55,625	1,608	1,606	35463,187	35242,071	147,192	12,523	521,538	14,778	15,054	5,009	2017-09-13 14:55
186,834	55,628	1,611	1,604	35382,594	35137,630	150,749	12,638	521,538	14,521	14,828	4,971	2017-09-13 14:55
187,004	55,619	1,606	1,607	35465,124	35153,096	158,063	12,703	521,538	14,473	14,787	4,964	2017-09-13 14:55
187,167	55,617	1,611	1,602	35448,758	35309,092	142,564	12,954	521,444	14,630	14,839	4,973	2017-09-13 14:55
187,334	55,600	1,610	1,604	35477,121	35268,588	151,166	12,739	521,538	14,576	15,270	5,045	2017-09-13 14:55
187,500	55,579	1,610	1,604	35563,282	34968,636	168,615	12,789	521,444	14,797	15,144	5,024	2017-09-13 14:55
187,667	55,568	1,605	1,604	35358,650	35146,191	156,395	12,929	521,444	14,684	14,570	4,928	2017-09-13 14:56
187,833	55,568	1,611	1,605	35528,573	35572,642	136,466	13,307	521,351	14,769	14,971	4,995	2017-09-13 14:56
188,000	55,565	1,608	1,603	35489,700	35126,701	236,277	13,030	521,351	14,771	15,462	5,076	2017-09-13 14:56
188,167	55,571	1,607	1,603	35362,579	34782,770	189,111	12,466	521,351	14,989	14,855	4,976	2017-09-13 14:56
188,333	55,581	1,610	1,601	35248,066	35505,226	182,502	12,236	521,351	15,237	14,740	4,956	2017-09-13 14:56
188,500	55,593	1,608	1,603	35417,737	35616,985	183,031	12,162	521,258	14,892	15,196	5,033	2017-09-13 14:56
188,667	55,599	1,608	1,603	35442,523	34685,560	164,585	12,887	521,351	14,765	15,080	5,013	2017-09-13 14:57
188,833	55,595	1,610	1,604	35378,970	35596,930	176,102	13,380	521,241	14,656	15,029	5,005	2017-09-13 14:57
189,000	55,573	1,611	1,602	35418,928	35282,654	140,878	13,119	521,258	14,386	14,826	4,971	2017-09-13 14:57
189,167	55,532	1,608	1,602	35429,390	35947,533	159,554	12,676	521,258	14,330	14,919	4,987	2017-09-13 14:57
189,334	55,506	1,607	1,604	35796,567	34967,341	213,477	12,475	521,258	14,680	14,976	4,996	2017-09-13 14:57
189,500	55,497	1,611	1,603	35519,040	35081,961	187,023	12,305	521,113	14,987	15,092	5,015	2017-09-13 14:57
189,667	55,489	1,610	1,604	35472,525	35004,137	187,443	12,335	521,113	14,141	14,918	4,986	2017-09-13 14:58
189,834	55,488	1,607	1,603	35445,087	35229,021	190,653	12,647	521,113	14,632	14,990	4,998	2017-09-13 14:58
190,000	55,488	1,611	1,604	35573,329	35462,388	223,772	13,198	521,113	14,816	15,251	5,042	2017-09-13 14:58
190,167	55,478	1,617	1,603	35622,227	35295,750	176,109	13,174	521,020	14,725	14,876	4,979	2017-09-13 14:58
190,334	55,485	1,616	1,601	35550,379	35247,372	269,135	13,431	521,020	14,740	14,732	4,955	2017-09-13 14:58
190,500	55,492	1,611	1,603	35555,476	35206,885	180,949	13,067	521,020	14,498	14,930	4,988	2017-09-13 14:58

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
190,667	0,225	0,727	0,579	0,361	0,378	140,534	20,200	23,593	24,400	23,378	21,279	21,082	21,886	20,553	81,620	62,266	74,777
190,834	0,226	0,713	0,579	0,370	0,379	140,555	20,227	22,336	24,371	23,396	21,273	21,086	21,890	20,556	81,694	62,265	74,878
191,000	0,230	0,685	0,579	0,359	0,383	140,524	20,221	20,995	24,382	23,403	21,272	21,095	21,881	20,558	81,401	62,291	74,915
191,167	0,226	0,715	0,578	0,368	0,373	140,535	20,227	19,292	24,347	23,398	21,285	21,095	21,875	20,558	81,346	62,293	74,897
191,334	0,228	0,719	0,578	0,374	0,367	140,423	20,270	12,190	24,326	23,411	21,279	21,089	21,876	20,561	81,228	62,199	74,808
191,500	0,228	0,719	0,578	0,363	0,370	140,342	20,264	12,316	24,339	23,405	21,282	21,094	21,888	20,556	81,490	62,286	74,866
191,667	0,225	0,717	0,578	0,364	0,380	140,301	20,253	11,957	24,343	23,409	21,274	21,099	21,900	20,561	81,883	62,239	74,853
191,833	0,228	0,706	0,578	0,368	0,379	140,204	20,274	12,127	24,351	23,421	21,296	21,119	21,886	20,566	81,586	62,239	74,873
192,000	0,226	0,693	0,578	0,369	0,379	140,226	20,266	11,256	24,340	23,442	21,298	21,111	21,892	20,560	81,594	62,258	74,909
192,167	0,225	0,694	0,578	0,367	0,383	140,324	20,249	14,292	24,356	23,454	21,282	21,115	21,902	20,564	81,384	62,240	74,830
192,333	0,225	0,714	0,578	0,374	0,378	140,276	20,221	20,078	24,353	23,446	21,281	21,107	21,883	20,557	81,220	62,232	74,830
192,500	0,225	0,732	0,577	0,368	0,381	140,232	20,256	21,727	24,332	23,447	21,294	21,106	21,896	20,561	81,697	62,234	74,789
192,667	0,227	0,722	0,577	0,370	0,377	140,209	20,235	14,113	24,338	23,438	21,295	21,094	21,881	20,560	81,506	62,227	74,786
192,833	0,227	0,706	0,577	0,365	0,373	140,259	20,264	12,333	24,348	23,439	21,287	21,108	21,889	20,562	81,104	62,208	74,766
193,000	0,223	0,698	0,577	0,356	0,383	140,252	20,259	16,311	24,335	23,467	21,294	21,116	21,883	20,561	81,394	62,207	74,680
193,167	0,226	0,714	0,577	0,365	0,374	140,201	20,257	16,524	24,343	23,462	21,296	21,099	21,889	20,562	81,636	62,185	74,726
193,333	0,223	0,720	0,577	0,373	0,380	140,144	20,251	12,475	24,342	23,447	21,279	21,108	21,882	20,560	81,377	62,195	74,778
193,500	0,225	0,714	0,577	0,373	0,375	140,107	20,240	15,025	24,339	23,442	21,296	21,115	21,878	20,557	81,396	62,216	74,777
193,667	0,228	0,706	0,577	0,360	0,387	140,016	20,260	21,817	24,332	23,434	21,299	21,102	21,870	20,556	81,396	62,143	74,728
193,833	0,228	0,685	0,576	0,366	0,366	139,987	20,230	17,225	24,322	23,433	21,290	21,110	21,891	20,558	81,238	62,226	74,728
194,000	0,230	0,679	0,576	0,369	0,380	139,923	20,235	18,690	24,334	23,464	21,290	21,107	21,881	20,560	81,282	62,201	74,693
194,167	0,231	0,669	0,577	0,362	0,378	139,910	20,234	20,380	24,339	23,458	21,286	21,094	21,885	20,560	81,157	62,180	74,658
194,333	0,226	0,678	0,576	0,361	0,368	139,882	20,243	17,571	24,377	23,480	21,319	21,110	21,896	20,564	81,236	62,174	74,655
194,500	0,222	0,705	0,576	0,367	0,376	139,992	20,240	20,646	24,357	23,492	21,285	21,101	21,890	20,561	81,474	62,158	74,622
194,667	0,223	0,726	0,576	0,365	0,378	140,037	20,223	16,351	24,339	23,481	21,308	21,105	21,883	20,561	81,276	62,173	74,676
194,833	0,227	0,721	0,576	0,359	0,368	139,984	20,154	18,154	24,327	23,480	21,311	21,091	21,874	20,561	81,113	62,166	74,600
195,000	0,221	0,716	0,576	0,350	0,375	140,120	20,135	20,349	24,346	23,490	21,309	21,114	21,882	20,562	81,170	62,150	74,630
195,167	0,221	0,716	0,576	0,370	0,372	140,205	20,158	12,355	24,334	23,477	21,304	21,094	21,895	20,562	81,243	62,219	74,663
195,333	0,225	0,719	0,575	0,372	0,371	140,257	20,161	16,744	24,335	23,486	21,315	21,107	21,889	20,561	81,023	62,217	74,736
195,500	0,228	0,731	0,575	0,374	0,383	140,257	20,118	23,193	24,340	23,503	21,313	21,105	21,893	20,566	81,307	62,220	74,597
195,667	0,228	0,720	0,575	0,372	0,368	140,374	20,118	18,740	24,323	23,490	21,323	21,098	21,895	20,565	81,529	62,182	74,642
195,834	0,225	0,729	0,575	0,370	0,375	140,371	20,119	16,235	24,300	23,490	21,320	21,097	21,899	20,566	81,582	62,213	74,728
196,000	0,222	0,727	0,575	0,366	0,369	140,300	20,141	23,689	24,303	23,485	21,307	21,090	21,895	20,561	81,211	62,230	74,728
196,167	0,217	0,736	0,575	0,372	0,376	140,328	20,122	24,715	24,296	23,494	21,298	21,110	21,891	20,565	81,682	62,263	74,773
196,334	0,220	0,742	0,575	0,373	0,374	140,341	20,129	16,801	24,283	23,482	21,321	21,112	21,896	20,564	81,417	62,248	74,809
196,500	0,228	0,735	0,575	0,363	0,368	140,237	20,150	19,442	24,287	23,475	21,321	21,102	21,881	20,568	81,620	62,282	74,869
196,667	0,223	0,694	0,575	0,370	0,386	140,249	20,167	22,722	24,300	23,481	21,316	21,106	21,904	20,568	81,768	62,271	74,897

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
190,667	55,493	1,610	1,603	35419,618	35606,058	165,415	13,176	521,019	14,454	15,117	5,019	2017-09-13 14:59
190,834	55,493	1,608	1,603	35609,420	35709,011	168,393	12,824	521,020	14,787	15,169	5,028	2017-09-13 14:59
191,000	55,469	1,607	1,601	35679,874	35088,252	196,154	12,117	521,020	14,376	15,317	5,053	2017-09-13 14:59
191,167	55,445	1,607	1,600	35666,159	34984,483	173,167	12,887	520,951	14,715	14,909	4,985	2017-09-13 14:59
191,334	55,437	1,605	1,603	35580,227	34913,488	180,063	12,984	520,926	14,976	14,699	4,950	2017-09-13 14:59
191,500	55,439	1,620	1,603	35685,701	35562,126	182,614	12,985	520,925	14,522	14,783	4,964	2017-09-13 14:59
191,667	55,443	1,610	1,603	35649,832	36137,687	166,065	12,914	520,925	14,564	15,188	5,031	2017-09-13 15:00
191,833	55,445	1,613	1,604	35720,406	35660,520	185,233	12,649	520,833	14,721	15,173	5,029	2017-09-13 15:00
192,000	55,438	1,610	1,604	35796,401	35568,844	173,201	12,336	520,833	14,740	15,175	5,029	2017-09-13 15:00
192,167	55,427	1,611	1,604	35668,105	35246,863	162,059	12,359	520,833	14,690	15,337	5,056	2017-09-13 15:00
192,333	55,434	1,611	1,603	35628,469	34965,440	165,846	12,857	520,833	14,954	15,136	5,023	2017-09-13 15:00
192,500	55,446	1,611	1,603	35528,050	35837,118	164,373	13,292	520,738	14,729	15,230	5,038	2017-09-13 15:00
192,667	55,430	1,610	1,604	35583,571	35467,292	177,624	13,054	520,737	14,797	15,071	5,012	2017-09-13 15:01
192,833	55,423	1,610	1,603	35532,961	34763,001	176,714	12,651	520,737	14,590	14,911	4,985	2017-09-13 15:01
193,000	55,427	1,608	1,603	35358,749	35263,134	152,396	12,450	520,737	14,245	15,322	5,053	2017-09-13 15:01
193,167	55,433	1,610	1,604	35457,717	35783,057	168,063	12,852	520,644	14,606	14,942	4,990	2017-09-13 15:01
193,333	55,429	1,609	1,603	35551,593	35278,894	154,519	13,000	520,644	14,911	15,180	5,030	2017-09-13 15:01
193,500	55,426	1,607	1,601	35508,030	35215,746	160,996	12,851	520,649	14,931	15,014	5,002	2017-09-13 15:01
193,667	55,435	1,606	1,603	35438,192	35329,485	181,853	12,653	520,644	14,410	15,495	5,082	2017-09-13 15:02
193,833	55,426	1,616	1,604	35484,080	35105,770	183,771	12,127	520,550	14,624	14,648	4,941	2017-09-13 15:02
194,000	55,421	1,610	1,603	35398,780	35099,011	198,415	11,986	520,550	14,756	15,197	5,033	2017-09-13 15:02
194,167	55,423	1,610	1,604	35363,259	34911,112	202,727	11,726	520,644	14,475	15,108	5,018	2017-09-13 15:02
194,333	55,433	1,611	1,603	35306,885	35096,584	171,478	11,958	520,550	14,454	14,723	4,954	2017-09-13 15:02
194,500	55,431	1,608	1,603	35250,742	35507,238	145,267	12,621	520,550	14,682	15,021	5,004	2017-09-13 15:02
194,667	55,433	1,609	1,603	35344,157	35137,691	151,350	13,160	520,550	14,590	15,110	5,018	2017-09-13 15:03
194,833	55,471	1,607	1,604	35163,367	34789,012	177,155	13,036	520,550	14,379	14,708	4,951	2017-09-13 15:03
195,000	55,505	1,610	1,604	35158,168	34992,262	139,016	12,893	520,458	13,997	15,000	5,000	2017-09-13 15:03
195,167	55,516	1,614	1,604	35199,758	35094,856	140,475	12,900	520,458	14,796	14,891	4,982	2017-09-13 15:03
195,333	55,513	1,610	1,604	35343,907	34596,239	163,931	12,964	520,315	14,885	14,833	4,972	2017-09-13 15:03
195,500	55,506	1,608	1,601	35030,531	35076,626	183,847	13,264	520,315	14,954	15,334	5,055	2017-09-13 15:03
195,667	55,509	1,607	1,601	35106,127	35538,927	181,967	13,005	520,315	14,897	14,724	4,954	2017-09-13 15:04
195,834	55,514	1,609	1,604	35307,406	35616,365	163,115	13,237	520,315	14,804	14,999	5,000	2017-09-13 15:04
196,000	55,517	1,608	1,604	35299,961	34882,692	142,598	13,180	520,314	14,642	14,773	4,962	2017-09-13 15:04
196,167	55,529	1,610	1,606	35413,187	35725,532	114,900	13,396	520,315	14,872	15,023	5,004	2017-09-13 15:04
196,334	55,532	1,611	1,604	35441,252	35283,310	131,664	13,557	520,221	14,921	14,961	4,993	2017-09-13 15:04
196,500	55,522	1,607	1,601	35499,132	35518,891	181,547	13,369	520,221	14,504	14,706	4,951	2017-09-13 15:04
196,667	55,526	1,616	1,606	35643,626	36002,003	152,831	12,351	520,221	14,799	15,442	5,073	2017-09-13 15:05

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
196,834	0,225	0,675	0,575	0,370	0,384	140,231	20,179	17,554	24,320	23,493	21,329	21,116	21,890	20,568	81,555	62,334	74,965
197,000	0,225	0,690	0,574	0,359	0,372	140,240	20,193	15,188	24,329	23,505	21,319	21,101	21,904	20,572	81,571	62,359	74,967
197,167	0,222	0,716	0,574	0,362	0,369	140,228	20,201	16,725	24,339	23,501	21,321	21,113	21,885	20,569	81,604	62,351	74,854
197,334	0,220	0,714	0,574	0,366	0,374	140,210	20,197	18,753	24,307	23,488	21,338	21,113	21,897	20,569	81,574	62,333	74,871
197,500	0,223	0,704	0,574	0,373	0,378	140,254	20,199	13,856	24,324	23,509	21,328	21,101	21,895	20,570	81,340	62,333	74,812
197,667	0,222	0,700	0,574	0,369	0,373	140,309	20,201	17,729	24,303	23,511	21,332	21,118	21,898	20,576	81,845	62,306	74,793
197,834	0,224	0,708	0,574	0,367	0,361	140,276	20,191	26,175	24,312	23,506	21,336	21,114	21,903	20,570	81,494	62,326	74,854
198,000	0,221	0,713	0,574	0,371	0,387	140,400	20,186	19,638	24,291	23,510	21,333	21,098	21,908	20,570	81,578	62,314	74,782
198,167	0,221	0,719	0,574	0,367	0,379	140,488	20,187	14,108	24,301	23,510	21,330	21,102	21,890	20,569	81,709	62,298	74,801
198,334	0,226	0,727	0,574	0,368	0,384	140,558	20,200	18,936	24,313	23,493	21,340	21,105	21,898	20,570	81,801	62,332	74,924
198,500	0,223	0,723	0,573	0,365	0,366	140,589	20,205	19,381	24,296	23,498	21,338	21,111	21,897	20,573	81,731	62,348	74,873
198,667	0,225	0,730	0,573	0,366	0,373	140,574	20,157	18,038	24,304	23,498	21,342	21,086	21,910	20,570	81,687	62,326	74,858
198,833	0,227	0,728	0,573	0,362	0,371	140,543	20,152	18,161	24,281	23,494	21,332	21,107	21,898	20,574	81,656	62,340	74,892
199,000	0,227	0,705	0,573	0,380	0,391	140,473	20,154	18,039	24,289	23,505	21,361	21,109	21,895	20,574	81,517	62,352	74,884
199,167	0,224	0,704	0,573	0,372	0,360	140,470	20,169	22,551	24,304	23,507	21,337	21,107	21,885	20,572	81,614	62,353	74,858
199,333	0,223	0,721	0,573	0,360	0,371	140,475	20,174	14,792	24,286	23,514	21,324	21,113	21,897	20,572	81,770	62,340	74,838
199,500	0,226	0,721	0,573	0,373	0,378	140,408	20,187	11,651	24,286	23,504	21,337	21,107	21,904	20,573	81,916	62,372	74,939
199,667	0,224	0,708	0,573	0,366	0,370	140,410	20,174	16,269	24,285	23,501	21,346	21,110	21,898	20,570	81,624	62,400	75,028
199,833	0,223	0,702	0,573	0,369	0,376	140,379	20,152	16,311	24,282	23,492	21,337	21,107	21,898	20,573	81,828	62,411	74,986
200,000	0,221	0,705	0,573	0,361	0,374	140,279	20,127	18,569	24,295	23,496	21,345	21,100	21,894	20,570	81,539	62,456	75,012
200,167	0,225	0,689	0,572	0,363	0,382	140,161	20,144	19,572	24,301	23,502	21,337	21,089	21,887	20,572	81,705	62,442	74,923
200,333	0,227	0,675	0,572	0,361	0,373	140,105	20,150	18,328	24,298	23,513	21,353	21,105	21,901	20,572	81,562	62,371	74,867
200,500	0,230	0,680	0,572	0,361	0,377	140,000	20,140	26,214	24,303	23,514	21,344	21,109	21,891	20,574	81,010	62,321	74,799
200,667	0,227	0,691	0,572	0,371	0,381	139,939	20,145	17,393	24,300	23,535	21,357	21,100	21,908	20,576	81,679	62,294	74,728
200,833	0,226	0,697	0,572	0,359	0,373	139,943	20,177	15,564	24,305	23,519	21,347	21,119	21,901	20,573	81,047	62,277	74,742
201,000	0,225	0,709	0,571	0,363	0,378	140,004	20,178	22,885	24,307	23,527	21,354	21,113	21,901	20,576	81,139	62,262	74,705
201,167	0,226	0,711	0,571	0,371	0,379	140,067	20,203	22,350	24,291	23,526	21,349	21,109	21,906	20,574	81,184	62,239	74,724
201,333	0,224	0,707	0,571	0,362	0,378	140,131	20,213	14,892	24,298	23,532	21,353	21,098	21,905	20,576	80,821	62,244	74,708
201,500	0,225	0,714	0,571	0,375	0,377	140,083	20,201	18,313	24,272	23,519	21,355	21,089	21,897	20,574	81,163	62,244	74,595
201,667	0,226	0,706	0,571	0,363	0,379	140,148	20,200	18,951	24,287	23,526	21,361	21,107	21,901	20,576	80,972	62,211	74,578
201,833	0,229	0,702	0,571	0,359	0,388	140,222	20,199	13,534	24,303	23,535	21,366	21,109	21,894	20,576	81,605	62,203	74,520
202,000	0,229	0,714	0,571	0,372	0,370	140,190	20,199	12,836	24,278	23,519	21,354	21,102	21,907	20,574	81,533	62,197	74,669
202,167	0,224	0,714	0,571	0,367	0,378	140,280	20,184	8,645	24,287	23,536	21,346	21,101	21,903	20,577	81,574	62,256	74,751
202,333	0,221	0,709	0,570	0,373	0,392	140,434	20,158	10,204	24,291	23,550	21,345	21,105	21,894	20,576	81,651	62,291	74,794
202,500	0,225	0,730	0,570	0,360	0,374	140,349	20,165	14,749	24,278	23,527	21,358	21,093	21,907	20,576	81,361	62,287	74,820
202,667	0,221	0,727	0,570	0,359	0,371	140,375	20,190	16,391	24,312	23,543	21,368	21,089	21,911	20,577	81,184	62,274	74,812
202,834	0,219	0,718	0,570	0,369	0,377	140,448	20,179	12,945	24,306	23,526	21,357	21,109	21,914	20,577	81,752	62,256	74,697

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
196,834	55,545	1,611	1,603	35668,822	35386,771	165,835	11,878	520,221	14,789	15,357	5,059	2017-09-13 15:05
197,000	55,564	1,613	1,603	35638,468	35414,375	165,207	12,245	520,128	14,371	14,878	4,980	2017-09-13 15:05
197,167	55,577	1,611	1,604	35437,525	35445,094	147,612	12,909	520,128	14,464	14,763	4,960	2017-09-13 15:05
197,334	55,576	1,610	1,604	35474,523	35397,933	132,491	12,842	520,128	14,641	14,949	4,991	2017-09-13 15:05
197,500	55,581	1,611	1,603	35319,706	34997,409	152,216	12,602	520,128	14,910	15,127	5,021	2017-09-13 15:05
197,667	55,581	1,611	1,603	35284,891	35970,592	147,403	12,506	520,128	14,740	14,904	4,984	2017-09-13 15:06
197,834	55,580	1,608	1,604	35434,718	35231,214	160,589	12,690	520,034	14,678	14,460	4,909	2017-09-13 15:06
198,000	55,576	1,614	1,604	35302,662	35527,584	138,398	12,832	520,033	14,848	15,489	5,081	2017-09-13 15:06
198,167	55,583	1,609	1,604	35327,861	35683,547	141,313	12,975	520,033	14,663	15,142	5,024	2017-09-13 15:06
198,334	55,577	1,608	1,602	35508,999	35786,917	169,967	13,181	520,034	14,705	15,341	5,057	2017-09-13 15:06
198,500	55,579	1,609	1,601	35396,117	35647,319	153,609	13,079	519,940	14,582	14,624	4,937	2017-09-13 15:06
198,667	55,584	1,609	1,604	35433,338	35600,356	166,614	13,254	519,940	14,624	14,912	4,985	2017-09-13 15:07
198,833	55,579	1,609	1,601	35437,810	35515,988	176,735	13,206	519,940	14,472	14,823	4,970	2017-09-13 15:07
199,000	55,599	1,612	1,603	35417,703	35307,455	173,601	12,636	519,940	15,205	15,624	5,103	2017-09-13 15:07
199,167	55,609	1,610	1,603	35354,236	35445,956	158,303	12,598	519,940	14,894	14,409	4,900	2017-09-13 15:07
199,333	55,625	1,612	1,604	35319,649	35800,116	151,389	13,019	519,846	14,382	14,857	4,976	2017-09-13 15:07
199,500	55,635	1,612	1,603	35453,398	35993,548	167,323	13,037	519,846	14,925	15,112	5,019	2017-09-13 15:07
199,667	55,621	1,611	1,603	35642,696	35394,024	160,387	12,691	519,846	14,648	14,787	4,964	2017-09-13 15:08
199,833	55,625	1,611	1,601	35526,174	35754,141	154,526	12,540	519,846	14,742	15,058	5,010	2017-09-13 15:08
200,000	55,624	1,620	1,601	35570,956	35332,821	138,787	12,630	519,846	14,421	14,952	4,992	2017-09-13 15:08
200,167	55,580	1,613	1,600	35468,751	35499,808	163,285	12,221	519,753	14,509	15,262	5,043	2017-09-13 15:08
200,333	55,532	1,611	1,601	35477,090	35331,738	173,837	11,885	519,753	14,440	14,930	4,988	2017-09-13 15:08
200,500	55,517	1,613	1,602	35386,905	34443,528	197,092	11,993	519,753	14,444	15,089	5,015	2017-09-13 15:08
200,667	55,524	1,611	1,601	35239,071	35692,225	177,944	12,278	519,753	14,858	15,226	5,038	2017-09-13 15:09
200,833	55,532	1,613	1,600	35222,040	34595,889	168,160	12,430	519,753	14,367	14,928	4,988	2017-09-13 15:09
201,000	55,541	1,608	1,603	35192,291	34692,439	166,482	12,713	519,613	14,512	15,110	5,018	2017-09-13 15:09
201,167	55,542	1,607	1,603	35231,565	34784,875	173,205	12,784	519,613	14,821	15,154	5,026	2017-09-13 15:09
201,333	55,550	1,605	1,602	35157,155	34077,746	155,798	12,675	519,613	14,470	15,120	5,020	2017-09-13 15:09
201,500	55,557	1,606	1,601	34927,260	34715,000	162,472	12,849	519,613	15,012	15,063	5,011	2017-09-13 15:09
201,667	55,557	1,604	1,600	34868,679	34381,374	169,404	12,647	519,519	14,537	15,146	5,024	2017-09-13 15:10
201,833	55,560	1,606	1,602	34797,495	35614,142	191,908	12,560	519,520	14,376	15,538	5,089	2017-09-13 15:10
202,000	55,548	1,607	1,601	35083,862	35521,657	186,053	12,862	519,520	14,870	14,803	4,967	2017-09-13 15:10
202,167	55,533	1,614	1,601	35264,719	35635,463	158,932	12,861	519,520	14,682	15,137	5,023	2017-09-13 15:10
202,333	55,524	1,612	1,601	35352,397	35654,480	140,291	12,715	519,425	14,907	15,680	5,112	2017-09-13 15:10
202,500	55,521	1,607	1,603	35442,064	35020,429	162,288	13,244	519,425	14,395	14,978	4,996	2017-09-13 15:10
202,667	55,506	1,610	1,601	35409,754	34788,987	140,906	13,168	519,333	14,363	14,835	4,972	2017-09-13 15:11
202,834	55,492	1,610	1,603	35276,871	35875,648	124,159	12,954	519,425	14,742	15,063	5,010	2017-09-13 15:11

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
203,000	0,224	0,721	0,570	0,361	0,377	140,505	20,204	15,476	24,302	23,524	21,375	21,098	21,901	20,577	81,456	62,212	74,776
203,167	0,221	0,699	0,570	0,368	0,381	140,514	20,188	22,293	24,302	23,540	21,362	21,104	21,893	20,577	81,614	62,259	74,813
203,334	0,223	0,698	0,570	0,381	0,369	140,493	20,204	22,765	24,298	23,539	21,367	21,105	21,899	20,576	81,650	62,254	74,834
203,500	0,223	0,693	0,570	0,371	0,378	140,428	20,207	22,824	24,290	23,553	21,367	21,109	21,893	20,576	81,555	62,250	74,811
203,667	0,230	0,702	0,570	0,359	0,367	140,401	20,198	23,582	24,294	23,535	21,363	21,106	21,906	20,577	81,254	62,267	74,812
203,834	0,220	0,713	0,569	0,367	0,377	140,408	20,209	17,949	24,283	23,553	21,374	21,097	21,886	20,578	81,494	62,251	74,750
204,000	0,223	0,700	0,569	0,366	0,380	140,388	20,198	14,266	24,313	23,549	21,370	21,096	21,898	20,577	81,267	62,246	74,746
204,167	0,224	0,712	0,569	0,372	0,386	140,405	20,178	17,327	24,325	23,548	21,371	21,092	21,889	20,577	81,485	62,223	74,711
204,334	0,230	0,712	0,569	0,377	0,364	140,467	20,150	23,171	24,337	23,545	21,372	21,101	21,899	20,577	81,419	62,230	74,722
204,500	0,226	0,719	0,569	0,370	0,377	140,496	20,137	24,812	24,316	23,564	21,388	21,093	21,893	20,577	81,685	62,195	74,734
204,667	0,224	0,714	0,569	0,368	0,380	140,435	20,171	18,194	24,321	23,551	21,382	21,102	21,898	20,581	81,412	62,302	74,885
204,834	0,223	0,712	0,569	0,364	0,378	140,391	20,143	15,744	24,320	23,548	21,384	21,106	21,894	20,577	81,327	62,263	74,751
205,000	0,225	0,725	0,569	0,371	0,374	140,482	20,148	16,646	24,305	23,556	21,365	21,089	21,889	20,576	81,813	62,204	74,772
205,167	0,225	0,696	0,569	0,372	0,385	140,441	20,154	21,636	24,325	23,569	21,380	21,088	21,882	20,577	81,442	62,234	74,849
205,334	0,226	0,712	0,568	0,367	0,376	140,449	20,149	19,955	24,326	23,582	21,383	21,092	21,895	20,577	81,423	62,269	74,826
205,500	0,240	0,722	0,568	0,359	0,378	140,451	20,156	16,958	24,312	23,569	21,368	21,090	21,911	20,576	81,575	62,252	74,789
205,667	0,227	0,731	0,568	0,363	0,377	140,396	20,114	12,612	24,316	23,581	21,378	21,113	21,890	20,582	81,674	62,247	74,819
205,833	0,228	0,730	0,568	0,368	0,380	140,427	20,122	12,738	24,306	23,561	21,392	21,101	21,907	20,578	81,628	62,248	74,804
206,000	0,228	0,739	0,568	0,364	0,375	140,414	20,123	15,627	24,289	23,545	21,375	21,079	21,897	20,576	81,502	62,254	74,821
206,167	0,230	0,740	0,568	0,362	0,378	140,438	20,134	26,670	24,300	23,554	21,387	21,098	21,903	20,581	81,544	62,263	74,792
206,333	0,224	0,734	0,568	0,356	0,367	140,447	20,147	26,677	24,283	23,544	21,384	21,101	21,898	20,577	81,582	62,270	74,824
206,500	0,227	0,710	0,568	0,370	0,379	140,579	20,149	19,125	24,316	23,556	21,385	21,091	21,890	20,577	81,451	62,282	74,912
206,667	0,226	0,721	0,567	0,362	0,372	140,599	20,150	19,731	24,309	23,549	21,396	21,087	21,899	20,577	81,517	62,297	74,908
206,833	0,224	0,734	0,567	0,362	0,372	140,701	20,153	18,505	24,302	23,539	21,396	21,105	21,914	20,580	81,544	62,270	74,854
207,000	0,222	0,723	0,567	0,377	0,392	140,657	20,134	13,746	24,316	23,544	21,385	21,098	21,906	20,580	81,540	62,289	74,908
207,167	0,231	0,698	0,567	0,371	0,379	140,543	20,143	18,445	24,335	23,562	21,391	21,104	21,905	20,581	81,601	62,255	74,890
207,333	0,236	0,700	0,567	0,372	0,387	140,440	20,140	17,217	24,285	23,552	21,389	21,083	21,903	20,580	81,547	62,337	74,940
207,500	0,224	0,700	0,567	0,367	0,377	140,345	20,119	19,706	24,300	23,545	21,401	21,087	21,901	20,581	81,851	62,301	74,931
207,667	0,229	0,688	0,567	0,379	0,371	140,348	20,110	19,739	24,308	23,532	21,388	21,092	21,906	20,581	81,388	62,302	74,936
207,833	0,230	0,689	0,567	0,369	0,379	140,199	20,077	18,991	24,282	23,523	21,396	21,089	21,911	20,580	81,500	62,314	74,917
208,000	0,228	0,685	0,566	0,367	0,383	140,249	20,089	20,410	24,283	23,538	21,410	21,096	21,902	20,580	81,419	62,294	74,876
208,167	0,233	0,670	0,566	0,371	0,373	140,192	20,066	25,207	24,268	23,528	21,396	21,076	21,899	20,578	81,470	62,278	74,800
208,333	0,225	0,695	0,566	0,360	0,376	140,191	20,105	18,614	24,255	23,543	21,382	21,089	21,910	20,582	81,552	62,281	74,813
208,500	0,225	0,721	0,566	0,372	0,370	140,304	20,093	17,278	24,242	23,519	21,396	21,080	21,914	20,576	81,486	62,262	74,730
208,667	0,219	0,730	0,566	0,374	0,370	140,321	20,058	18,071	24,260	23,509	21,395	21,096	21,916	20,584	81,610	62,250	74,767
208,833	0,226	0,733	0,566	0,374	0,372	140,377	20,043	21,138	24,243	23,500	21,419	21,076	21,892	20,580	81,512	62,265	74,765
209,000	0,225	0,728	0,566	0,367	0,380	140,309	20,034	18,491	24,198	23,492	21,397	21,068	21,897	20,581	81,378	62,273	74,861

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
203,000	55,502	1,605	1,601	35367,025	35302,484	155,565	13,025	519,425	14,452	15,093	5,016	2017-09-13 15:11
203,167	55,500	1,605	1,600	35408,062	35505,640	138,985	12,471	519,425	14,724	15,240	5,040	2017-09-13 15:11
203,334	55,500	1,604	1,599	35416,731	35548,134	150,332	12,450	519,333	15,235	14,767	4,961	2017-09-13 15:11
203,500	55,509	1,607	1,601	35417,804	35449,183	152,000	12,329	519,333	14,821	15,102	5,017	2017-09-13 15:11
203,667	55,509	1,605	1,600	35388,284	34826,935	194,979	12,555	519,332	14,378	14,679	4,946	2017-09-13 15:12
203,834	55,496	1,605	1,601	35334,413	35307,294	134,246	12,834	519,237	14,673	15,084	5,014	2017-09-13 15:12
204,000	55,494	1,608	1,600	35296,716	34959,862	153,696	12,507	519,238	14,646	15,182	5,030	2017-09-13 15:12
204,167	55,479	1,606	1,602	35294,949	35363,954	158,932	12,802	519,237	14,880	15,446	5,074	2017-09-13 15:12
204,334	55,479	1,605	1,601	35305,693	35196,616	195,563	12,793	519,237	15,097	14,562	4,926	2017-09-13 15:12
204,500	55,486	1,607	1,601	35317,057	35787,096	171,304	12,963	519,238	14,797	15,078	5,013	2017-09-13 15:12
204,667	55,481	1,614	1,599	35559,542	35256,261	159,088	12,855	519,145	14,738	15,215	5,036	2017-09-13 15:13
204,834	55,486	1,609	1,601	35341,000	35052,857	153,477	12,807	519,144	14,543	15,113	5,019	2017-09-13 15:13
205,000	55,484	1,604	1,601	35376,970	35955,386	166,259	13,128	519,145	14,852	14,980	4,997	2017-09-13 15:13
205,167	55,479	1,604	1,598	35477,588	35220,486	164,470	12,411	519,144	14,861	15,419	5,069	2017-09-13 15:13
205,334	55,488	1,606	1,600	35455,474	35147,947	171,297	12,795	519,051	14,699	15,054	5,009	2017-09-13 15:13
205,500	55,492	1,605	1,600	35381,775	35449,651	257,446	13,041	519,051	14,374	15,114	5,019	2017-09-13 15:13
205,667	55,494	1,608	1,600	35439,050	35701,440	175,116	13,273	519,050	14,533	15,070	5,012	2017-09-13 15:14
205,833	55,500	1,608	1,602	35445,012	35614,430	180,956	13,259	519,050	14,724	15,218	5,036	2017-09-13 15:14
206,000	55,496	1,604	1,601	35447,884	35280,659	182,423	13,484	518,958	14,574	14,992	4,999	2017-09-13 15:14
206,167	55,504	1,609	1,600	35356,794	35464,066	192,596	13,510	518,958	14,484	15,104	5,017	2017-09-13 15:14
206,333	55,494	1,605	1,602	35477,623	35431,052	157,900	13,344	518,958	14,229	14,683	4,947	2017-09-13 15:14
206,500	55,485	1,609	1,601	35642,974	35258,792	177,395	12,742	518,958	14,802	15,145	5,024	2017-09-13 15:14
206,667	55,478	1,605	1,601	35656,320	35258,566	172,135	13,036	518,815	14,468	14,896	4,983	2017-09-13 15:15
206,833	55,486	1,608	1,600	35513,580	35425,281	157,712	13,350	518,816	14,474	14,894	4,982	2017-09-13 15:15
207,000	55,488	1,607	1,600	35601,154	35350,917	144,492	13,080	518,815	15,100	15,663	5,109	2017-09-13 15:15
207,167	55,490	1,610	1,600	35570,955	35602,605	199,180	12,439	518,816	14,859	15,143	5,024	2017-09-13 15:15
207,333	55,497	1,615	1,601	35677,799	35454,207	230,023	12,488	518,815	14,891	15,475	5,078	2017-09-13 15:15
207,500	55,510	1,607	1,600	35602,615	35906,604	160,818	12,489	518,722	14,670	15,094	5,016	2017-09-13 15:15
207,667	55,509	1,606	1,600	35629,831	35034,066	190,372	12,210	518,722	15,168	14,835	4,972	2017-09-13 15:16
207,833	55,517	1,607	1,600	35569,627	35239,858	196,463	12,237	518,722	14,756	15,165	5,027	2017-09-13 15:16
208,000	55,522	1,608	1,601	35496,830	35148,394	181,363	12,117	518,628	14,674	15,310	5,051	2017-09-13 15:16
208,167	55,532	1,606	1,603	35392,645	35224,949	211,118	11,759	518,628	14,831	14,929	4,988	2017-09-13 15:16
208,333	55,528	1,604	1,600	35360,206	35336,702	165,436	12,378	518,628	14,395	15,053	5,009	2017-09-13 15:16
208,500	55,530	1,604	1,598	35166,224	35235,969	162,747	13,014	518,628	14,891	14,816	4,969	2017-09-13 15:16
208,667	55,532	1,606	1,601	35286,485	35526,511	128,759	13,256	518,628	14,955	14,786	4,964	2017-09-13 15:17
208,833	55,537	1,607	1,600	35260,543	35342,275	171,478	13,323	518,535	14,966	14,865	4,977	2017-09-13 15:17
209,000	55,538	1,607	1,599	35397,289	35083,663	162,913	13,195	518,534	14,678	15,184	5,031	2017-09-13 15:17

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
209,167	0,222	0,708	0,566	0,369	0,379	140,230	20,060	21,959	24,242	23,489	21,401	21,089	21,902	20,580	81,443	62,279	74,786
209,333	0,224	0,695	0,566	0,362	0,383	140,170	20,067	18,058	24,250	23,494	21,401	21,080	21,907	20,578	81,402	62,260	74,774
209,500	0,224	0,691	0,566	0,374	0,379	140,305	20,067	19,884	24,255	23,510	21,397	21,070	21,906	20,582	81,671	62,259	74,769
209,667	0,230	0,688	0,565	0,365	0,368	140,235	20,071	15,556	24,273	23,522	21,397	21,062	21,907	20,581	81,747	62,255	74,809
209,834	0,223	0,714	0,565	0,375	0,386	140,223	20,067	18,025	24,248	23,508	21,404	21,084	21,893	20,578	81,270	62,285	74,828
210,000	0,228	0,715	0,565	0,361	0,368	140,213	20,064	12,985	24,238	23,505	21,411	21,074	21,915	20,576	81,292	62,281	74,723
210,167	0,224	0,720	0,565	0,369	0,391	140,280	19,981	14,286	24,227	23,505	21,417	21,072	21,893	20,577	81,627	62,262	74,694
210,334	0,221	0,726	0,565	0,364	0,378	140,309	20,016	21,412	24,229	23,517	21,435	21,075	21,907	20,580	81,493	62,270	74,743
210,500	0,223	0,735	0,565	0,374	0,376	140,334	19,966	28,420	24,211	23,514	21,410	21,081	21,910	20,577	81,618	62,248	74,749
210,667	0,224	0,755	0,564	0,376	0,380	140,414	19,989	23,885	24,221	23,479	21,413	21,074	21,902	20,578	81,292	62,309	74,765
210,834	0,220	0,738	0,565	0,370	0,384	140,371	19,819	19,160	24,187	23,470	21,414	21,057	21,895	20,577	81,779	62,312	74,870
211,000	0,218	0,728	0,565	0,374	0,381	140,313	19,919	20,678	24,194	23,466	21,422	21,071	21,902	20,580	81,843	62,347	74,934
211,167	0,222	0,695	0,564	0,370	0,377	140,343	19,947	14,244	24,199	23,467	21,404	21,060	21,906	20,576	81,785	62,312	74,915
211,334	0,223	0,702	0,564	0,371	0,386	140,353	19,952	18,774	24,195	23,480	21,401	21,076	21,903	20,573	81,512	62,330	74,919
211,500	0,222	0,729	0,564	0,375	0,372	140,418	19,962	23,070	24,179	23,476	21,419	21,063	21,914	20,574	81,614	62,343	74,877
211,667	0,226	0,746	0,564	0,365	0,371	140,404	19,968	15,365	24,158	23,455	21,419	21,064	21,901	20,573	81,740	62,340	74,981
211,834	0,218	0,727	0,563	0,369	0,387	140,460	19,956	13,108	24,165	23,450	21,417	21,071	21,891	20,573	81,685	62,356	74,965
212,000	0,221	0,702	0,563	0,362	0,370	140,453	19,862	18,409	24,169	23,457	21,426	21,067	21,897	20,576	81,446	62,343	74,966
212,167	0,221	0,714	0,563	0,369	0,376	140,456	19,901	20,600	24,165	23,441	21,410	21,060	21,893	20,573	81,825	62,359	74,867
212,333	0,223	0,718	0,563	0,379	0,379	140,397	19,906	18,429	24,149	23,451	21,424	21,053	21,899	20,573	81,259	62,324	74,938
212,500	0,223	0,708	0,563	0,366	0,380	140,367	19,920	22,156	24,147	23,437	21,404	21,049	21,908	20,570	81,683	62,334	74,832
212,667	0,224	0,702	0,563	0,363	0,376	140,398	19,907	14,866	24,110	23,444	21,418	21,054	21,889	20,569	81,616	62,304	74,882
212,833	0,225	0,707	0,563	0,367	0,378	140,350	19,924	15,464	24,127	23,427	21,417	21,050	21,901	20,570	81,678	62,369	74,977
213,000	0,222	0,707	0,563	0,367	0,366	140,261	19,924	16,612	24,113	23,427	21,424	21,062	21,894	20,569	81,695	62,407	74,939
213,167	0,225	0,689	0,563	0,363	0,379	140,196	19,897	22,843	24,110	23,438	21,422	21,056	21,883	20,564	81,775	62,386	74,974
213,333	0,225	0,675	0,562	0,373	0,378	140,135	19,848	20,351	24,117	23,437	21,406	21,039	21,887	20,565	81,578	62,360	74,913
213,500	0,229	0,672	0,562	0,368	0,375	140,007	19,837	22,814	24,103	23,443	21,412	21,061	21,883	20,561	81,666	62,387	74,950
213,667	0,224	0,696	0,562	0,364	0,378	140,006	19,890	18,489	24,105	23,443	21,439	21,042	21,878	20,564	81,406	62,373	74,923
213,833	0,225	0,693	0,562	0,376	0,381	139,971	19,871	20,327	24,110	23,442	21,422	21,047	21,894	20,564	81,324	62,336	74,773
214,000	0,222	0,712	0,562	0,363	0,375	139,936	19,874	19,054	24,094	23,426	21,423	21,038	21,890	20,558	81,436	62,291	74,792
214,167	0,222	0,721	0,562	0,360	0,372	139,953	19,888	17,895	24,080	23,442	21,427	21,041	21,874	20,558	81,246	62,309	74,767
214,333	0,219	0,735	0,562	0,360	0,383	140,119	19,882	23,900	24,057	23,420	21,441	21,043	21,879	20,558	81,359	62,290	74,766
214,500	0,221	0,733	0,562	0,367	0,376	140,139	19,889	22,003	24,064	23,412	21,419	21,051	21,889	20,560	81,593	62,285	74,730
214,667	0,224	0,727	0,562	0,372	0,386	140,255	19,892	20,901	24,074	23,429	21,436	21,043	21,885	20,561	81,516	62,295	74,761
214,833	0,217	0,724	0,562	0,356	0,387	140,227	19,886	15,000	24,070	23,429	21,442	21,043	21,874	20,557	81,675	62,278	74,772
215,000	0,224	0,732	0,561	0,373	0,380	140,322	19,877	15,118	24,072	23,419	21,428	21,038	21,876	20,560	81,447	62,316	74,846
215,167	0,227	0,741	0,561	0,368	0,375	140,337	19,859	12,577	24,058	23,416	21,441	21,038	21,883	20,560	81,514	62,349	74,866

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
209,167	55,521	1,605	1,601	35345,213	35153,146	143,429	12,698	518,535	14,743	15,165	5,028	2017-09-13 15:17
209,333	55,526	1,605	1,599	35263,022	35113,566	155,586	12,368	518,535	14,491	15,335	5,056	2017-09-13 15:17
209,500	55,541	1,607	1,603	35315,721	35642,479	158,105	12,267	518,534	14,964	15,168	5,028	2017-09-13 15:17
209,667	55,548	1,605	1,602	35349,696	35762,516	196,706	12,206	518,440	14,583	14,739	4,956	2017-09-13 15:18
209,834	55,548	1,608	1,603	35408,762	34888,430	154,088	12,847	518,441	15,000	15,423	5,070	2017-09-13 15:18
210,000	55,554	1,607	1,601	35173,522	34908,906	183,430	12,878	518,441	14,458	14,738	4,956	2017-09-13 15:18
210,167	55,564	1,606	1,600	35077,180	35553,733	154,953	13,002	518,440	14,775	15,636	5,105	2017-09-13 15:18
210,334	55,563	1,608	1,603	35223,581	35328,681	141,528	13,161	518,441	14,573	15,101	5,017	2017-09-13 15:18
210,500	55,567	1,607	1,602	35203,279	35566,470	153,446	13,379	518,347	14,951	15,033	5,006	2017-09-13 15:18
210,667	55,565	1,615	1,600	35197,422	35028,830	154,933	13,878	518,254	15,028	15,211	5,035	2017-09-13 15:19
210,834	55,564	1,605	1,599	35371,053	35711,173	133,714	13,444	518,347	14,810	15,365	5,060	2017-09-13 15:19
211,000	55,553	1,607	1,600	35522,134	35802,291	122,453	13,198	518,348	14,964	15,258	5,043	2017-09-13 15:19
211,167	55,552	1,606	1,600	35500,255	35738,891	147,376	12,384	518,255	14,799	15,098	5,016	2017-09-13 15:19
211,334	55,564	1,608	1,602	35528,708	35248,475	154,307	12,542	518,254	14,827	15,450	5,074	2017-09-13 15:19
211,500	55,568	1,606	1,602	35436,651	35376,405	144,249	13,216	518,255	15,012	14,862	4,977	2017-09-13 15:19
211,667	55,563	1,609	1,601	35615,972	35668,807	172,774	13,652	518,255	14,612	14,842	4,974	2017-09-13 15:20
211,834	55,563	1,607	1,603	35628,966	35491,461	123,124	13,167	518,117	14,762	15,481	5,080	2017-09-13 15:20
212,000	55,569	1,608	1,600	35559,544	35098,851	140,496	12,554	518,117	14,493	14,818	4,970	2017-09-13 15:20
212,167	55,575	1,607	1,600	35379,690	35749,426	140,885	12,859	518,117	14,740	15,027	5,004	2017-09-13 15:20
212,333	55,573	1,605	1,601	35527,311	34733,067	149,078	12,939	518,117	15,160	15,176	5,029	2017-09-13 15:20
212,500	55,573	1,605	1,599	35277,428	35495,372	149,304	12,703	518,117	14,631	15,215	5,036	2017-09-13 15:20
212,667	55,584	1,607	1,599	35357,012	35460,682	155,370	12,557	518,117	14,501	15,023	5,004	2017-09-13 15:21
212,833	55,593	1,617	1,603	35597,703	35684,235	164,776	12,684	518,023	14,663	15,128	5,021	2017-09-13 15:21
213,000	55,591	1,616	1,601	35502,406	35611,233	148,248	12,677	518,023	14,668	14,622	4,937	2017-09-13 15:21
213,167	55,599	1,609	1,599	35495,485	35648,069	166,669	12,225	518,023	14,512	15,157	5,026	2017-09-13 15:21
213,333	55,603	1,609	1,600	35403,719	35346,462	166,100	11,863	517,929	14,905	15,111	5,018	2017-09-13 15:21
213,500	55,575	1,608	1,601	35546,425	35429,731	186,185	11,809	517,929	14,719	14,981	4,997	2017-09-13 15:21
213,667	55,553	1,607	1,600	35523,244	34960,865	160,606	12,409	517,929	14,574	15,111	5,019	2017-09-13 15:22
213,833	55,553	1,608	1,599	35223,502	34882,340	161,638	12,324	517,929	15,055	15,222	5,037	2017-09-13 15:22
214,000	55,564	1,607	1,599	35233,625	35152,790	145,319	12,802	517,929	14,508	15,019	5,003	2017-09-13 15:22
214,167	55,560	1,610	1,601	35234,473	34834,748	146,132	13,037	517,929	14,418	14,877	4,980	2017-09-13 15:22
214,333	55,564	1,606	1,601	35235,607	34995,508	125,810	13,385	517,836	14,387	15,340	5,056	2017-09-13 15:22
214,500	55,571	1,606	1,602	35177,676	35437,052	139,402	13,326	517,836	14,663	15,054	5,009	2017-09-13 15:22
214,667	55,573	1,605	1,599	35157,151	35254,518	157,653	13,168	517,836	14,864	15,444	5,073	2017-09-13 15:23
214,833	55,571	1,605	1,599	35188,857	35571,476	114,035	13,107	517,836	14,241	15,469	5,078	2017-09-13 15:23
215,000	55,581	1,607	1,599	35300,596	35129,130	156,336	13,301	517,741	14,900	15,184	5,031	2017-09-13 15:23
215,167	55,579	1,608	1,601	35389,271	35227,917	178,444	13,520	517,741	14,728	15,001	5,000	2017-09-13 15:23

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
215,333	0,225	0,723	0,561	0,366	0,368	140,272	19,865	19,480	24,051	23,393	21,425	21,043	21,878	20,557	81,867	62,328	74,767
215,500	0,224	0,695	0,561	0,363	0,386	140,187	19,876	18,860	24,058	23,413	21,440	21,029	21,886	20,560	81,616	62,308	74,851
215,667	0,224	0,690	0,561	0,363	0,374	140,193	19,872	10,826	24,059	23,408	21,429	21,043	21,878	20,554	81,208	62,312	74,850
215,833	0,222	0,693	0,561	0,371	0,367	140,176	19,901	11,771	24,054	23,399	21,436	21,039	21,885	20,553	81,352	62,377	74,894
216,000	0,221	0,693	0,561	0,372	0,388	140,251	19,886	19,959	24,034	23,405	21,441	21,039	21,881	20,556	81,467	62,351	74,834
216,167	0,224	0,693	0,561	0,365	0,372	140,201	19,904	22,257	24,041	23,405	21,435	21,025	21,891	20,553	81,384	62,316	74,823
216,334	0,220	0,689	0,561	0,353	0,371	140,118	19,910	15,562	24,058	23,425	21,440	21,027	21,887	20,553	81,562	62,305	74,809
216,500	0,227	0,690	0,560	0,361	0,373	140,090	19,880	10,814	24,053	23,422	21,433	21,034	21,881	20,553	81,632	62,305	74,827
216,667	0,223	0,714	0,560	0,366	0,366	140,212	19,880	19,383	24,041	23,444	21,444	21,022	21,879	20,552	81,340	62,299	74,826
216,834	0,219	0,721	0,560	0,377	0,380	140,283	19,880	24,663	24,050	23,421	21,451	21,029	21,874	20,553	81,636	62,314	74,812
217,000	0,223	0,718	0,560	0,374	0,380	140,279	19,886	24,371	24,024	23,407	21,441	21,008	21,878	20,548	81,463	62,326	74,905
217,167	0,220	0,712	0,560	0,367	0,373	140,232	19,885	17,644	24,046	23,414	21,442	21,025	21,873	20,549	81,393	62,349	74,923
217,334	0,218	0,735	0,560	0,367	0,389	140,292	19,886	14,785	24,032	23,416	21,453	21,017	21,882	20,550	81,435	62,334	74,805
217,500	0,223	0,730	0,560	0,366	0,375	140,201	19,891	15,050	24,013	23,387	21,444	21,017	21,881	20,550	81,655	62,308	74,826
217,667	0,219	0,711	0,560	0,369	0,377	140,209	19,855	18,962	24,034	23,389	21,449	21,030	21,878	20,553	81,562	62,330	74,908
217,834	0,223	0,684	0,560	0,375	0,372	140,197	19,881	27,770	24,046	23,398	21,454	21,014	21,866	20,549	81,617	62,345	74,858
218,000	0,223	0,691	0,559	0,364	0,384	140,092	19,826	28,811	24,034	23,416	21,450	21,026	21,869	20,544	81,266	62,352	74,854
218,167	0,224	0,687	0,559	0,360	0,377	140,186	19,865	23,342	24,045	23,418	21,453	21,016	21,882	20,549	81,487	62,329	74,819
218,334	0,221	0,694	0,559	0,372	0,360	140,224	19,844	16,203	24,039	23,420	21,459	21,025	21,871	20,548	81,313	62,310	74,790
218,500	0,222	0,708	0,559	0,368	0,379	140,338	19,827	12,556	24,039	23,399	21,476	21,022	21,875	20,550	81,294	62,368	74,858
218,667	0,224	0,732	0,559	0,373	0,378	140,314	19,832	17,938	24,029	23,396	21,458	21,014	21,870	20,548	81,681	62,344	74,804
218,834	0,222	0,717	0,559	0,361	0,378	140,302	19,866	18,328	24,032	23,411	21,468	21,016	21,866	20,548	81,432	62,318	74,853
219,000	0,228	0,722	0,559	0,371	0,392	140,231	19,896	12,092	24,039	23,399	21,464	21,004	21,875	20,546	81,798	62,281	74,808
219,167	0,226	0,732	0,559	0,369	0,377	140,203	19,892	16,043	24,021	23,383	21,449	21,010	21,869	20,542	81,681	62,260	74,878
219,333	0,218	0,731	0,558	0,376	0,365	140,353	19,895	22,060	24,030	23,399	21,455	21,004	21,857	20,544	81,782	62,279	74,892
219,500	0,221	0,738	0,558	0,369	0,380	140,358	19,896	17,325	24,012	23,386	21,455	21,013	21,862	20,541	81,514	62,310	74,926
219,667	0,221	0,717	0,558	0,359	0,381	140,391	19,908	19,776	24,018	23,374	21,456	21,012	21,860	20,544	81,957	62,299	74,894
219,833	0,220	0,695	0,558	0,369	0,378	140,388	19,881	11,852	24,033	23,388	21,455	21,006	21,861	20,542	81,648	62,306	74,944
220,000	0,224	0,706	0,558	0,370	0,385	140,301	19,893	15,494	24,038	23,394	21,451	21,009	21,873	20,545	81,496	62,302	74,926
220,167	0,222	0,709	0,558	0,360	0,380	140,208	19,872	14,930	24,041	23,390	21,459	21,005	21,861	20,541	81,524	62,269	74,754
220,333	0,219	0,709	0,558	0,362	0,373	140,108	19,892	14,567	24,050	23,396	21,456	21,012	21,870	20,544	81,496	62,246	74,851
220,500	0,219	0,701	0,558	0,359	0,376	140,029	19,891	23,511	24,035	23,387	21,451	21,006	21,865	20,545	81,477	62,286	74,880
220,667	0,221	0,673	0,558	0,375	0,368	139,981	19,892	27,588	24,043	23,390	21,462	21,005	21,856	20,544	81,344	62,262	74,857
220,833	0,230	0,653	0,557	0,374	0,369	139,949	19,908	23,779	24,059	23,407	21,470	21,009	21,884	20,546	81,558	62,244	74,740
221,000	0,232	0,675	0,557	0,366	0,374	139,846	19,915	12,628	24,059	23,406	21,459	20,998	21,867	20,540	81,095	62,193	74,720
221,167	0,225	0,689	0,557	0,372	0,367	139,747	19,905	16,364	24,068	23,403	21,463	20,996	21,859	20,537	81,253	62,176	74,670
221,333	0,227	0,684	0,557	0,366	0,371	139,749	19,915	25,074	24,059	23,408	21,458	20,991	21,859	20,540	80,938	62,143	74,576

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
215,333	55,577	1,606	1,600	35182,234	35873,659	162,698	13,070	517,741	14,641	14,739	4,956	2017-09-13 15:23
215,500	55,576	1,607	1,599	35309,944	35452,370	155,558	12,381	517,741	14,527	15,437	5,072	2017-09-13 15:23
215,667	55,561	1,610	1,601	35397,244	34762,757	158,914	12,247	517,648	14,507	14,950	4,992	2017-09-13 15:24
215,833	55,569	1,616	1,603	35490,185	35036,920	145,465	12,315	517,648	14,840	14,667	4,944	2017-09-13 15:24
216,000	55,567	1,608	1,600	35324,212	35131,713	141,080	12,315	517,648	14,886	15,512	5,085	2017-09-13 15:24
216,167	55,565	1,604	1,600	35303,872	34948,500	158,292	12,320	517,648	14,607	14,882	4,980	2017-09-13 15:24
216,334	55,552	1,605	1,599	35276,215	35324,134	134,617	12,228	517,648	14,108	14,844	4,974	2017-09-13 15:24
216,500	55,550	1,608	1,600	35343,663	35516,524	177,986	12,260	517,554	14,424	14,920	4,987	2017-09-13 15:24
216,667	55,556	1,607	1,601	35351,420	34959,426	151,990	12,847	517,554	14,628	14,647	4,941	2017-09-13 15:25
216,834	55,552	1,605	1,600	35318,717	35440,451	125,365	13,028	517,554	15,071	15,214	5,035	2017-09-13 15:25
217,000	55,556	1,610	1,601	35502,781	35206,346	153,241	12,938	517,554	14,977	15,214	5,036	2017-09-13 15:25
217,167	55,563	1,606	1,601	35521,911	34946,562	135,424	12,791	517,554	14,694	14,910	4,985	2017-09-13 15:25
217,334	55,575	1,608	1,601	35288,539	35089,389	121,915	13,377	517,554	14,662	15,546	5,090	2017-09-13 15:25
217,500	55,579	1,608	1,601	35305,084	35557,093	149,533	13,254	517,462	14,626	14,995	4,999	2017-09-13 15:25
217,667	55,572	1,606	1,599	35425,596	35294,422	128,923	12,773	517,461	14,777	15,093	5,015	2017-09-13 15:26
217,834	55,571	1,607	1,598	35320,442	35400,796	149,464	12,092	517,461	15,020	14,863	4,977	2017-09-13 15:26
218,000	55,573	1,606	1,599	35318,440	34718,970	149,269	12,276	517,319	14,554	15,379	5,063	2017-09-13 15:26
218,167	55,572	1,608	1,599	35254,451	35216,451	160,158	12,179	517,319	14,392	15,063	5,010	2017-09-13 15:26
218,334	55,583	1,607	1,599	35183,276	34891,151	142,133	12,346	517,319	14,874	14,393	4,898	2017-09-13 15:26
218,500	55,572	1,614	1,599	35328,330	34906,344	143,397	12,691	517,319	14,728	15,161	5,027	2017-09-13 15:26
218,667	55,492	1,608	1,598	35374,252	35540,486	157,219	13,289	517,225	14,910	15,115	5,019	2017-09-13 15:27
218,834	55,445	1,613	1,599	35552,141	35227,844	148,008	12,926	517,225	14,441	15,111	5,018	2017-09-13 15:27
219,000	55,457	1,611	1,598	35445,303	35935,032	183,430	13,062	517,225	14,838	15,699	5,115	2017-09-13 15:27
219,167	55,466	1,607	1,597	35525,387	35659,681	173,153	13,301	517,225	14,741	15,061	5,010	2017-09-13 15:27
219,333	55,474	1,607	1,598	35568,157	35808,872	122,412	13,280	517,132	15,028	14,617	4,936	2017-09-13 15:27
219,500	55,486	1,609	1,599	35614,223	35302,495	141,275	13,442	517,132	14,745	15,191	5,032	2017-09-13 15:27
219,667	55,481	1,606	1,597	35525,724	36088,828	138,568	12,934	517,132	14,355	15,226	5,037	2017-09-13 15:28
219,833	55,461	1,607	1,597	35658,621	35513,155	135,017	12,368	517,132	14,768	15,117	5,020	2017-09-13 15:28
220,000	55,459	1,607	1,597	35630,052	35254,317	159,536	12,645	517,132	14,801	15,405	5,067	2017-09-13 15:28
220,167	55,467	1,605	1,598	35313,857	35324,602	146,511	12,723	517,038	14,412	15,192	5,032	2017-09-13 15:28
220,333	55,461	1,606	1,598	35502,524	35333,335	124,795	12,713	517,038	14,465	14,930	4,988	2017-09-13 15:28
220,500	55,441	1,607	1,599	35613,348	35236,474	129,774	12,516	517,038	14,374	15,038	5,006	2017-09-13 15:28
220,667	55,426	1,608	1,598	35588,607	35067,521	140,663	11,824	517,038	15,010	14,723	4,954	2017-09-13 15:29
220,833	55,405	1,608	1,599	35422,820	35497,536	193,468	11,337	516,945	14,953	14,753	4,959	2017-09-13 15:29
221,000	55,398	1,608	1,599	35408,419	34731,020	208,655	11,864	516,944	14,647	14,969	4,995	2017-09-13 15:29
221,167	55,396	1,605	1,599	35326,149	35003,176	167,093	12,224	516,944	14,879	14,667	4,944	2017-09-13 15:29
221,333	55,410	1,607	1,600	35142,398	34510,723	177,805	12,089	516,944	14,628	14,858	4,976	2017-09-13 15:29

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
221,500	0,222	0,707	0,557	0,361	0,375	139,768	19,907	26,650	24,052	23,413	21,451	20,994	21,865	20,540	81,100	62,118	74,526
221,667	0,221	0,699	0,557	0,367	0,371	139,759	19,922	24,259	24,068	23,389	21,460	21,000	21,852	20,537	81,180	62,149	74,511
221,833	0,222	0,697	0,557	0,359	0,373	139,773	19,919	18,137	24,054	23,418	21,488	20,992	21,863	20,538	81,062	62,117	74,488
222,000	0,222	0,696	0,557	0,365	0,380	139,720	19,922	15,701	24,051	23,412	21,455	21,009	21,862	20,540	81,057	62,118	74,411
222,167	0,227	0,680	0,557	0,359	0,367	139,745	19,932	19,182	24,081	23,438	21,471	20,998	21,853	20,541	81,092	62,113	74,450
222,333	0,226	0,695	0,557	0,363	0,379	139,801	19,852	16,337	24,077	23,422	21,460	20,993	21,867	20,542	81,292	62,166	74,553
222,500	0,227	0,728	0,556	0,381	0,380	139,814	19,828	20,325	24,056	23,416	21,476	21,005	21,841	20,538	81,230	62,152	74,509
222,667	0,223	0,717	0,556	0,357	0,373	139,792	19,847	19,990	24,071	23,440	21,477	21,001	21,871	20,544	81,032	62,141	74,516
222,833	0,223	0,728	0,556	0,363	0,381	139,936	19,779	19,985	24,069	23,432	21,468	21,001	21,859	20,536	80,906	62,164	74,519
223,000	0,221	0,734	0,555	0,368	0,370	140,007	19,809	22,460	24,072	23,419	21,452	20,993	21,844	20,534	81,112	62,165	74,469
223,167	0,222	0,735	0,556	0,360	0,385	140,254	19,827	21,651	24,081	23,427	21,467	20,996	21,848	20,537	81,068	62,118	74,453
223,334	0,225	0,729	0,555	0,373	0,386	140,354	19,802	23,210	24,081	23,410	21,463	20,988	21,845	20,534	81,308	62,146	74,584
223,500	0,227	0,737	0,555	0,365	0,381	140,519	19,817	20,664	24,074	23,426	21,464	20,997	21,846	20,538	81,582	62,168	74,597
223,667	0,229	0,737	0,555	0,366	0,376	140,686	19,843	15,828	24,073	23,410	21,467	20,992	21,852	20,534	81,290	62,162	74,681
223,834	0,222	0,739	0,555	0,359	0,388	140,700	19,832	16,353	24,068	23,405	21,459	20,987	21,848	20,534	81,339	62,168	74,703
224,000	0,227	0,747	0,555	0,370	0,382	140,722	19,874	13,995	24,077	23,402	21,454	20,985	21,848	20,534	81,625	62,200	74,744
224,167	0,219	0,729	0,555	0,362	0,373	140,791	19,885	12,937	24,080	23,408	21,472	20,996	21,848	20,537	81,467	62,207	74,749
224,334	0,217	0,716	0,555	0,364	0,375	140,786	19,888	15,613	24,083	23,417	21,488	20,992	21,836	20,536	81,431	62,172	74,785
224,500	0,223	0,715	0,555	0,363	0,369	140,867	19,887	13,517	24,104	23,413	21,476	20,998	21,863	20,542	81,478	62,289	74,893
224,667	0,224	0,712	0,554	0,368	0,365	140,883	19,892	13,761	24,098	23,426	21,476	20,989	21,833	20,533	81,764	62,250	74,851
224,834	0,226	0,700	0,554	0,373	0,371	140,916	19,944	14,645	24,087	23,426	21,477	20,981	21,841	20,532	81,625	62,260	74,921
225,000	0,231	0,697	0,554	0,372	0,366	140,895	19,943	15,220	24,102	23,445	21,482	20,992	21,861	20,537	81,600	62,246	74,794
225,167	0,227	0,700	0,554	0,372	0,372	140,934	19,931	20,686	24,099	23,443	21,463	20,968	21,846	20,532	81,610	62,223	74,890
225,334	0,224	0,729	0,554	0,365	0,369	141,067	19,925	20,774	24,116	23,448	21,477	20,996	21,844	20,537	81,702	62,244	74,904
225,500	0,222	0,734	0,554	0,366	0,376	141,067	19,905	15,900	24,096	23,430	21,477	20,996	21,841	20,536	81,884	62,236	74,881
225,667	0,225	0,714	0,554	0,372	0,378	141,094	19,908	20,032	24,121	23,434	21,479	20,993	21,835	20,537	81,544	62,262	74,986
225,833	0,224	0,701	0,554	0,372	0,377	141,128	19,950	20,356	24,121	23,440	21,475	20,972	21,837	20,534	81,589	62,269	74,936
226,000	0,224	0,699	0,554	0,364	0,374	141,178	19,925	19,042	24,134	23,462	21,464	20,989	21,833	20,537	81,882	62,256	74,944
226,167	0,223	0,710	0,554	0,359	0,383	141,199	19,913	15,439	24,092	23,440	21,475	20,962	21,837	20,534	81,790	62,308	74,986
226,333	0,224	0,703	0,553	0,372	0,381	141,174	19,829	14,247	24,105	23,438	21,465	20,981	21,836	20,529	81,645	62,287	74,990
226,500	0,227	0,691	0,553	0,365	0,364	141,226	19,828	17,584	24,151	23,453	21,478	20,971	21,837	20,528	81,729	62,297	74,994
226,667	0,222	0,713	0,553	0,368	0,369	141,287	19,901	17,999	24,134	23,452	21,474	20,975	21,836	20,527	81,420	62,275	74,942
226,833	0,221	0,736	0,553	0,357	0,375	141,451	19,917	14,820	24,130	23,448	21,469	20,997	21,819	20,529	81,456	62,256	74,861
227,000	0,221	0,741	0,553	0,368	0,379	141,430	19,883	19,669	24,139	23,457	21,474	20,990	21,837	20,527	81,602	62,274	74,916
227,167	0,224	0,732	0,553	0,364	0,381	141,390	19,875	19,096	24,125	23,448	21,476	20,985	21,850	20,531	81,921	62,299	74,974
227,333	0,222	0,734	0,553	0,367	0,376	141,502	19,909	14,105	24,100	23,435	21,470	20,984	21,833	20,525	81,799	62,277	74,947
227,500	0,223	0,717	0,553	0,375	0,377	141,417	19,939	11,610	24,100	23,440	21,485	20,985	21,845	20,533	81,918	62,278	74,947

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
221,500	55,407	1,611	1,599	35027,252	34954,107	142,504	12,672	516,944	14,457	14,999	5,000	2017-09-13 15:29
221,667	55,407	1,611	1,601	35051,700	35043,035	136,077	12,467	516,851	14,693	14,822	4,970	2017-09-13 15:30
221,833	55,403	1,610	1,600	34991,437	34854,850	144,051	12,415	516,944	14,365	14,929	4,988	2017-09-13 15:30
222,000	55,445	1,610	1,600	34773,290	34841,117	147,612	12,392	516,851	14,587	15,211	5,035	2017-09-13 15:30
222,167	55,474	1,608	1,599	34761,346	34883,213	174,925	12,000	516,851	14,370	14,686	4,947	2017-09-13 15:30
222,333	55,463	1,610	1,600	34999,049	35182,711	170,467	12,386	516,851	14,522	15,165	5,027	2017-09-13 15:30
222,500	55,446	1,607	1,600	34947,726	35028,670	178,569	13,203	516,758	15,231	15,217	5,036	2017-09-13 15:30
222,667	55,442	1,608	1,599	34946,243	34724,073	152,414	12,919	516,759	14,261	14,931	4,988	2017-09-13 15:31
222,833	55,447	1,610	1,598	34928,238	34485,497	152,202	13,199	516,758	14,521	15,255	5,042	2017-09-13 15:31
223,000	55,435	1,607	1,598	34864,162	34791,591	141,726	13,354	516,618	14,702	14,820	4,970	2017-09-13 15:31
223,167	55,423	1,609	1,603	34948,805	34847,694	143,210	13,370	516,758	14,398	15,397	5,066	2017-09-13 15:31
223,334	55,427	1,610	1,600	35122,279	35253,586	166,065	13,220	516,618	14,935	15,453	5,075	2017-09-13 15:31
223,500	55,413	1,611	1,599	35152,841	35745,179	178,618	13,416	516,618	14,590	15,258	5,043	2017-09-13 15:31
223,667	55,399	1,611	1,600	35357,054	35210,113	187,304	13,422	516,618	14,646	15,040	5,007	2017-09-13 15:32
223,834	55,406	1,607	1,599	35348,830	35203,869	142,755	13,465	516,617	14,363	15,504	5,083	2017-09-13 15:32
224,000	55,425	1,607	1,599	35396,574	35681,502	176,460	13,663	516,524	14,816	15,274	5,045	2017-09-13 15:32
224,167	55,418	1,608	1,600	35442,197	35392,740	127,884	13,237	516,524	14,465	14,904	4,984	2017-09-13 15:32
224,334	55,414	1,607	1,601	35539,646	35372,092	115,098	12,912	516,524	14,562	15,006	5,001	2017-09-13 15:32
224,500	55,400	1,616	1,600	35746,133	35435,127	151,354	12,871	516,524	14,517	14,757	4,959	2017-09-13 15:32
224,667	55,398	1,607	1,599	35635,612	35839,116	155,565	12,800	516,430	14,722	14,604	4,934	2017-09-13 15:33
224,834	55,403	1,612	1,600	35784,814	35683,722	169,397	12,494	516,430	14,929	14,858	4,976	2017-09-13 15:33
225,000	55,403	1,608	1,600	35553,827	35572,154	201,487	12,436	516,430	14,863	14,636	4,939	2017-09-13 15:33
225,167	55,395	1,610	1,598	35711,650	35665,015	174,692	12,506	516,430	14,892	14,881	4,980	2017-09-13 15:33
225,334	55,388	1,607	1,599	35751,622	35728,521	156,583	13,217	516,337	14,608	14,766	4,961	2017-09-13 15:33
225,500	55,380	1,608	1,600	35751,850	36114,176	142,793	13,349	516,337	14,660	15,028	5,005	2017-09-13 15:33
225,667	55,392	1,611	1,601	35954,765	35503,166	161,006	12,838	516,337	14,877	15,111	5,018	2017-09-13 15:34
225,833	55,405	1,607	1,599	35789,248	35478,523	159,554	12,513	516,337	14,878	15,100	5,017	2017-09-13 15:34
226,000	55,407	1,615	1,600	35815,305	36231,118	160,165	12,470	516,337	14,547	14,979	4,997	2017-09-13 15:34
226,167	55,403	1,615	1,601	35936,334	35949,573	152,633	12,762	516,338	14,349	15,307	5,051	2017-09-13 15:34
226,333	55,405	1,610	1,601	35930,751	35613,331	159,773	12,574	516,243	14,861	15,221	5,037	2017-09-13 15:34
226,500	55,413	1,610	1,598	35851,925	35760,279	178,430	12,281	516,242	14,612	14,577	4,929	2017-09-13 15:34
226,667	55,415	1,610	1,599	35781,391	35218,093	147,400	12,815	516,149	14,734	14,760	4,960	2017-09-13 15:35
226,833	55,423	1,607	1,599	35627,009	35260,309	139,624	13,411	516,149	14,295	14,997	4,999	2017-09-13 15:35
227,000	55,431	1,609	1,599	35706,012	35532,022	141,295	13,519	516,149	14,721	15,167	5,028	2017-09-13 15:35
227,167	55,426	1,608	1,600	35845,808	36065,424	159,964	13,307	516,149	14,578	15,222	5,037	2017-09-13 15:35
227,333	55,423	1,608	1,599	35766,653	35869,499	145,955	13,357	516,149	14,696	15,035	5,006	2017-09-13 15:35
227,500	55,417	1,607	1,599	35781,846	36070,459	153,494	12,914	516,149	15,004	15,065	5,011	2017-09-13 15:35

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
227,667	0,226	0,698	0,552	0,379	0,378	141,389	19,941	11,323	24,105	23,432	21,476	20,975	21,819	20,529	81,766	62,278	75,002
227,833	0,225	0,705	0,552	0,369	0,378	141,378	19,927	18,640	24,129	23,449	21,493	20,993	21,828	20,529	81,839	62,312	75,032
228,000	0,225	0,707	0,552	0,374	0,377	141,452	19,964	27,610	24,130	23,460	21,477	20,976	21,827	20,525	81,733	62,299	74,970
228,167	0,227	0,724	0,552	0,369	0,375	141,591	19,927	30,745	24,120	23,456	21,481	20,973	21,823	20,524	81,848	62,290	75,013
228,333	0,226	0,713	0,552	0,371	0,377	141,570	19,912	27,195	24,129	23,445	21,485	20,969	21,838	20,528	81,975	62,299	75,077
228,500	0,226	0,705	0,552	0,371	0,377	141,581	19,895	18,019	24,129	23,473	21,480	20,975	21,824	20,524	81,771	62,380	75,085
228,667	0,222	0,720	0,552	0,367	0,372	141,720	19,884	13,859	24,144	23,461	21,491	20,963	21,824	20,527	81,844	62,344	75,013
228,833	0,224	0,707	0,552	0,367	0,372	141,607	19,900	12,486	24,133	23,470	21,487	20,975	21,838	20,527	81,547	62,347	75,012
229,000	0,223	0,695	0,552	0,378	0,371	141,552	19,899	20,021	24,130	23,447	21,480	20,975	21,819	20,527	81,635	62,349	74,993
229,167	0,226	0,681	0,551	0,360	0,368	141,579	19,897	27,312	24,156	23,470	21,473	20,978	21,832	20,525	81,714	62,332	74,958
229,333	0,224	0,691	0,551	0,370	0,381	141,550	19,884	26,075	24,139	23,474	21,485	20,971	21,816	20,525	81,837	62,320	74,950
229,500	0,230	0,713	0,551	0,369	0,370	141,644	19,882	17,246	24,137	23,474	21,465	20,975	21,832	20,525	81,509	62,314	75,009
229,667	0,230	0,727	0,551	0,371	0,370	141,620	19,843	18,705	24,120	23,471	21,482	20,979	21,829	20,529	81,839	62,325	74,974
229,834	0,228	0,732	0,551	0,362	0,358	141,665	19,853	26,225	24,104	23,465	21,474	20,972	21,832	20,525	81,743	62,318	74,992
230,000	0,227	0,710	0,551	0,376	0,374	141,783	19,867	21,797	24,114	23,462	21,489	20,971	21,814	20,527	81,847	62,349	74,970
230,167	0,225	0,717	0,551	0,372	0,374	141,822	19,882	16,449	24,130	23,469	21,487	20,964	21,829	20,525	81,482	62,328	74,984
230,334	0,222	0,712	0,551	0,364	0,377	141,805	19,849	18,412	24,110	23,466	21,473	20,969	21,816	20,523	81,839	62,351	74,943
230,500	0,226	0,716	0,551	0,372	0,367	141,730	19,870	26,770	24,117	23,474	21,495	20,982	21,821	20,524	81,752	62,334	75,016
230,667	0,221	0,699	0,550	0,361	0,369	141,568	19,856	30,156	24,122	23,449	21,506	20,967	21,814	20,524	81,656	62,349	75,011
230,834	0,221	0,691	0,550	0,368	0,367	141,561	19,836	23,140	24,140	23,452	21,472	20,978	21,829	20,525	81,840	62,316	74,957
231,000	0,229	0,685	0,550	0,379	0,371	141,485	19,858	19,972	24,107	23,458	21,502	20,975	21,836	20,528	81,941	62,394	75,000
231,167	0,226	0,695	0,550	0,369	0,364	141,514	19,773	16,890	24,096	23,430	21,495	20,967	21,829	20,523	81,816	62,364	75,032
231,334	0,226	0,695	0,550	0,374	0,365	141,535	19,744	14,448	24,090	23,437	21,494	20,963	21,823	20,524	81,562	62,376	75,005
231,500	0,225	0,717	0,550	0,369	0,376	141,666	19,705	13,871	24,104	23,430	21,499	20,968	21,838	20,524	81,994	62,349	74,951
231,667	0,226	0,715	0,550	0,370	0,374	141,770	19,765	13,787	24,069	23,410	21,490	20,965	21,832	20,521	82,088	62,348	74,969
231,834	0,225	0,726	0,550	0,376	0,366	141,730	19,760	11,213	24,074	23,390	21,493	20,948	21,819	20,523	81,943	62,341	74,998
232,000	0,224	0,718	0,550	0,378	0,372	141,718	19,746	16,740	24,095	23,398	21,503	20,946	21,812	20,523	81,536	62,348	75,015
232,167	0,222	0,717	0,549	0,358	0,364	141,700	19,704	23,930	24,104	23,390	21,493	20,947	21,812	20,520	81,901	62,357	74,928
232,334	0,226	0,720	0,549	0,370	0,367	141,786	19,635	19,091	24,092	23,393	21,479	20,946	21,803	20,520	81,728	62,320	74,935
232,500	0,231	0,750	0,549	0,373	0,360	141,853	19,658	15,218	24,097	23,376	21,485	20,956	21,825	20,517	81,803	62,363	74,997
232,667	0,226	0,739	0,549	0,368	0,365	141,943	19,667	14,245	24,087	23,346	21,492	20,943	21,817	20,517	82,196	62,361	75,021
232,833	0,224	0,726	0,549	0,361	0,368	141,947	19,652	18,042	24,095	23,333	21,498	20,941	21,824	20,519	82,029	62,383	75,147
233,000	0,229	0,707	0,549	0,365	0,363	141,921	19,648	24,322	24,108	23,337	21,499	20,947	21,804	20,516	82,159	62,404	75,187
233,167	0,228	0,698	0,549	0,374	0,371	141,885	19,649	19,394	24,118	23,363	21,487	20,946	21,821	20,520	82,074	62,461	75,227
233,333	0,228	0,701	0,548	0,367	0,371	141,839	19,625	9,585	24,114	23,355	21,478	20,927	21,809	20,513	81,771	62,438	75,202
233,500	0,223	0,702	0,549	0,360	0,365	141,904	19,612	12,301	24,126	23,360	21,481	20,939	21,800	20,516	81,818	62,433	75,062
233,667	0,227	0,700	0,548	0,369	0,370	141,881	19,606	15,107	24,135	23,355	21,502	20,934	21,813	20,515	81,722	62,368	74,994

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
227,667	55,425	1,607	1,600	35896,106	35785,116	172,347	12,458	516,056	15,177	15,137	5,023	2017-09-13 15:36
227,833	55,431	1,611	1,603	35998,281	35953,608	162,066	12,618	516,056	14,749	15,135	5,022	2017-09-13 15:36
228,000	55,437	1,607	1,600	35815,001	35683,411	163,341	12,672	516,056	14,969	15,067	5,011	2017-09-13 15:36
228,167	55,438	1,608	1,600	35892,588	35948,592	178,410	13,111	516,056	14,777	14,995	4,999	2017-09-13 15:36
228,333	55,438	1,608	1,599	35978,589	36161,272	170,668	12,826	515,965	14,824	15,077	5,013	2017-09-13 15:36
228,500	55,446	1,614	1,600	36004,910	35773,387	171,912	12,623	516,055	14,830	15,091	5,015	2017-09-13 15:36
228,667	55,457	1,612	1,601	35886,786	35932,376	143,804	12,988	515,963	14,678	14,890	4,982	2017-09-13 15:37
228,833	55,462	1,608	1,600	35841,956	35291,291	155,318	12,686	515,963	14,675	14,873	4,979	2017-09-13 15:37
229,000	55,457	1,613	1,602	35854,561	35547,747	149,877	12,363	515,963	15,117	14,849	4,975	2017-09-13 15:37
229,167	55,446	1,613	1,600	35773,923	35721,078	168,334	12,021	515,727	14,397	14,730	4,955	2017-09-13 15:37
229,333	55,449	1,611	1,599	35736,557	35938,341	159,119	12,271	515,821	14,803	15,249	5,041	2017-09-13 15:37
229,500	55,463	1,609	1,599	35821,823	35292,353	193,072	12,837	515,727	14,777	14,801	4,967	2017-09-13 15:37
229,667	55,469	1,608	1,598	35709,505	35862,701	194,444	13,172	515,821	14,824	14,783	4,964	2017-09-13 15:38
229,834	55,481	1,607	1,601	35788,174	35684,859	181,575	13,297	515,727	14,473	14,316	4,885	2017-09-13 15:38
230,000	55,482	1,610	1,599	35711,119	35864,257	179,031	12,757	515,728	15,059	14,945	4,991	2017-09-13 15:38
230,167	55,493	1,608	1,600	35737,926	35204,997	166,238	12,924	515,727	14,861	14,969	4,995	2017-09-13 15:38
230,334	55,482	1,609	1,599	35662,961	35839,984	146,948	12,804	515,727	14,573	15,100	5,017	2017-09-13 15:38
230,500	55,490	1,609	1,598	35762,914	35695,186	167,496	12,907	515,727	14,892	14,689	4,948	2017-09-13 15:38
230,667	55,492	1,610	1,600	35786,382	35516,133	138,561	12,463	515,634	14,442	14,743	4,957	2017-09-13 15:39
230,834	55,496	1,608	1,598	35646,145	35882,666	142,129	12,275	515,634	14,701	14,664	4,944	2017-09-13 15:39
231,000	55,493	1,616	1,598	35731,081	36095,807	191,821	12,137	515,634	15,142	14,833	4,972	2017-09-13 15:39
231,167	55,489	1,611	1,600	35833,828	35815,156	168,559	12,384	515,634	14,743	14,577	4,929	2017-09-13 15:39
231,334	55,488	1,613	1,603	35850,809	35361,687	167,493	12,378	515,540	14,972	14,613	4,935	2017-09-13 15:39
231,500	55,488	1,614	1,600	35686,126	36237,749	161,864	12,937	515,540	14,755	15,045	5,007	2017-09-13 15:39
231,667	55,489	1,607	1,599	35683,598	36251,059	168,889	12,882	515,540	14,782	14,954	4,992	2017-09-13 15:40
231,834	55,496	1,614	1,601	35786,953	36157,436	162,938	13,147	515,540	15,055	14,649	4,941	2017-09-13 15:40
232,000	55,506	1,610	1,601	35797,517	35295,880	156,611	12,941	515,540	15,105	14,890	4,982	2017-09-13 15:40
232,167	55,505	1,612	1,600	35618,760	35994,207	145,670	12,922	515,446	14,316	14,571	4,928	2017-09-13 15:40
232,334	55,506	1,609	1,600	35614,057	35695,650	169,807	13,007	515,447	14,809	14,678	4,946	2017-09-13 15:40
232,500	55,509	1,611	1,601	35756,136	35793,815	201,674	13,746	515,446	14,938	14,387	4,897	2017-09-13 15:40
232,667	55,508	1,610	1,600	35780,035	36488,528	169,178	13,465	515,353	14,733	14,593	4,932	2017-09-13 15:41
232,833	55,512	1,608	1,601	36029,317	36104,555	157,243	13,147	515,353	14,422	14,702	4,950	2017-09-13 15:41
233,000	55,506	1,613	1,599	36064,013	36404,760	187,794	12,679	515,446	14,590	14,519	4,919	2017-09-13 15:41
233,167	55,502	1,613	1,602	36212,397	36147,565	181,550	12,445	515,353	14,976	14,829	4,971	2017-09-13 15:41
233,333	55,494	1,616	1,601	36168,991	35706,985	183,850	12,534	515,260	14,694	14,839	4,973	2017-09-13 15:41
233,500	55,497	1,616	1,603	35937,776	35794,400	152,417	12,545	515,353	14,409	14,580	4,930	2017-09-13 15:41
233,667	55,502	1,611	1,600	35732,601	35626,283	175,696	12,508	515,260	14,764	14,807	4,968	2017-09-13 15:42

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
233,833	0,227	0,700	0,548	0,371	0,373	141,890	19,610	14,175	24,134	23,355	21,485	20,950	21,821	20,513	81,943	62,386	75,088
234,000	0,226	0,680	0,548	0,372	0,375	141,973	19,597	16,610	24,118	23,349	21,488	20,931	21,798	20,512	81,720	62,394	75,119
234,167	0,225	0,704	0,548	0,361	0,376	141,998	19,612	30,914	24,127	23,337	21,492	20,935	21,798	20,511	81,471	62,390	75,075
234,333	0,224	0,717	0,547	0,369	0,368	142,003	19,634	27,374	24,128	23,345	21,487	20,930	21,798	20,511	81,706	62,377	74,961
234,500	0,226	0,720	0,547	0,368	0,372	142,078	19,590	24,867	24,110	23,333	21,494	20,932	21,788	20,508	81,871	62,360	75,004
234,667	0,227	0,724	0,547	0,371	0,371	142,029	19,590	28,060	24,095	23,350	21,508	20,926	21,805	20,509	81,770	62,419	75,012
234,833	0,227	0,718	0,547	0,372	0,373	142,016	19,607	17,365	24,106	23,351	21,487	20,919	21,799	20,507	81,976	62,412	74,978
235,000	0,226	0,711	0,547	0,373	0,376	142,012	19,583	18,434	24,098	23,338	21,491	20,925	21,812	20,505	81,764	62,421	75,050
235,167	0,228	0,712	0,547	0,364	0,373	142,114	19,595	17,499	24,117	23,359	21,516	20,923	21,798	20,509	81,914	62,439	75,047
235,333	0,225	0,706	0,547	0,360	0,375	142,077	19,585	15,113	24,123	23,350	21,477	20,940	21,805	20,504	82,117	62,441	75,077
235,500	0,222	0,715	0,547	0,370	0,374	142,045	19,568	18,819	24,140	23,338	21,509	20,936	21,794	20,504	81,922	62,474	75,133
235,667	0,220	0,701	0,546	0,374	0,360	141,931	19,568	24,079	24,169	23,352	21,495	20,921	21,791	20,505	81,943	62,443	75,086
235,833	0,223	0,699	0,546	0,367	0,366	141,990	19,555	19,132	24,136	23,358	21,490	20,919	21,804	20,504	81,751	62,451	75,040
236,000	0,222	0,713	0,546	0,371	0,383	142,083	19,625	13,799	24,151	23,364	21,499	20,940	21,794	20,507	81,829	62,458	75,040
236,167	0,222	0,715	0,546	0,371	0,362	142,147	19,658	12,735	24,156	23,354	21,512	20,929	21,788	20,507	81,753	62,414	75,075
236,333	0,222	0,716	0,546	0,369	0,364	142,051	19,603	10,521	24,158	23,364	21,499	20,922	21,794	20,505	81,714	62,490	75,113
236,500	0,217	0,721	0,546	0,372	0,369	142,043	19,579	11,586	24,144	23,359	21,490	20,928	21,804	20,500	81,880	62,500	75,044
236,667	0,221	0,698	0,546	0,374	0,369	141,906	19,581	15,958	24,128	23,364	21,507	20,930	21,803	20,505	81,693	62,462	75,040
236,834	0,220	0,691	0,546	0,366	0,359	141,853	19,591	13,508	24,158	23,354	21,489	20,927	21,776	20,499	81,893	62,460	75,027
237,000	0,225	0,674	0,546	0,373	0,370	141,940	19,616	11,929	24,167	23,384	21,499	20,926	21,790	20,500	81,613	62,486	75,093
237,167	0,228	0,676	0,546	0,369	0,367	141,919	19,604	10,576	24,166	23,390	21,505	20,934	21,795	20,503	81,556	62,507	75,061
237,334	0,226	0,707	0,545	0,369	0,373	142,026	19,638	17,979	24,201	23,423	21,517	20,946	21,816	20,513	81,556	62,457	74,957
237,500	0,225	0,732	0,545	0,373	0,371	142,128	19,614	18,578	24,202	23,407	21,517	20,946	21,800	20,521	81,938	62,454	74,973
237,667	0,229	0,709	0,545	0,385	0,372	142,060	19,581	16,447	24,218	23,406	21,491	20,936	21,787	20,500	81,853	62,433	74,998
237,834	0,232	0,728	0,545	0,368	0,372	142,213	19,618	16,045	24,187	23,410	21,487	20,926	21,796	20,497	81,828	62,454	75,034
238,000	0,225	0,736	0,545	0,370	0,374	142,203	19,634	17,034	24,169	23,402	21,508	20,947	21,787	20,497	81,497	62,451	75,055
238,167	0,226	0,729	0,545	0,366	0,371	142,195	19,672	9,652	24,196	23,419	21,508	20,925	21,796	20,501	82,107	62,473	75,097
238,334	0,221	0,729	0,545	0,372	0,365	142,261	19,685	10,456	24,194	23,402	21,482	20,917	21,776	20,493	81,830	62,480	75,110
238,500	0,224	0,747	0,545	0,363	0,358	142,280	19,673	15,214	24,167	23,402	21,501	20,919	21,795	20,493	81,995	62,373	75,050
238,667	0,228	0,736	0,544	0,375	0,368	142,387	19,677	24,974	24,169	23,412	21,513	20,928	21,796	20,496	82,179	62,460	75,209
238,834	0,230	0,751	0,544	0,369	0,377	142,410	19,684	27,655	24,165	23,413	21,497	20,931	21,787	20,495	82,068	62,486	75,224
239,000	0,231	0,739	0,544	0,373	0,372	142,461	19,716	19,446	24,154	23,392	21,504	20,919	21,783	20,492	82,354	62,469	75,260
239,167	0,229	0,735	0,544	0,364	0,354	142,555	19,679	16,460	24,141	23,412	21,496	20,918	21,774	20,493	82,446	62,481	75,364
239,334	0,224	0,726	0,544	0,379	0,367	142,499	19,650	14,091	24,146	23,396	21,497	20,927	21,775	20,489	82,141	62,509	75,418
239,500	0,223	0,707	0,544	0,373	0,375	142,494	19,709	9,442	24,158	23,403	21,500	20,924	21,792	20,495	82,217	62,507	75,352
239,667	0,222	0,693	0,544	0,365	0,358	142,474	19,732	16,570	24,159	23,402	21,514	20,926	21,782	20,493	81,951	62,481	75,322
239,833	0,226	0,693	0,544	0,376	0,366	142,521	19,719	22,491	24,175	23,417	21,505	20,914	21,775	20,491	82,205	62,438	75,112

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
233,833	55,502	1,609	1,601	35940,386	35972,084	179,455	12,501	515,260	14,845	14,917	4,986	2017-09-13 15:42
234,000	55,498	1,611	1,600	35974,495	35585,507	173,180	11,988	515,260	14,868	15,013	5,002	2017-09-13 15:42
234,167	55,508	1,608	1,603	35937,719	35065,450	162,462	12,605	515,159	14,427	15,025	5,004	2017-09-13 15:42
234,333	55,525	1,611	1,601	35667,793	35587,040	155,450	12,933	515,113	14,765	14,707	4,951	2017-09-13 15:42
234,500	55,579	1,613	1,600	35612,338	35958,547	167,284	13,001	515,019	14,726	14,868	4,978	2017-09-13 15:42
234,667	55,612	1,611	1,601	35598,085	35629,330	174,014	13,098	515,113	14,852	14,860	4,977	2017-09-13 15:43
234,833	55,628	1,607	1,602	35514,055	35925,977	179,313	12,949	515,113	14,868	14,912	4,985	2017-09-13 15:43
235,000	55,617	1,608	1,600	35617,022	35543,374	168,785	12,779	515,019	14,908	15,056	5,009	2017-09-13 15:43
235,167	55,615	1,608	1,601	35659,064	35788,436	183,051	12,794	515,019	14,548	14,918	4,986	2017-09-13 15:43
235,333	55,609	1,607	1,600	35700,476	36127,870	165,634	12,644	515,019	14,416	15,016	5,003	2017-09-13 15:43
235,500	55,613	1,611	1,600	35778,105	35806,883	145,089	12,886	515,019	14,808	14,959	4,993	2017-09-13 15:43
235,667	55,619	1,608	1,601	35720,743	35833,163	135,246	12,519	514,934	14,963	14,388	4,897	2017-09-13 15:44
235,833	55,601	1,607	1,602	35675,016	35452,444	151,316	12,485	514,925	14,668	14,633	4,939	2017-09-13 15:44
236,000	55,597	1,609	1,602	35691,519	35614,620	147,171	12,819	514,925	14,822	15,300	5,050	2017-09-13 15:44
236,167	55,617	1,611	1,601	35688,706	35610,268	148,022	12,865	514,925	14,831	14,465	4,910	2017-09-13 15:44
236,333	55,631	1,616	1,602	35771,958	35508,340	143,832	12,908	514,925	14,764	14,574	4,928	2017-09-13 15:44
236,500	55,651	1,616	1,602	35595,573	35778,981	115,101	13,037	514,832	14,882	14,741	4,957	2017-09-13 15:44
236,667	55,662	1,608	1,603	35593,167	35332,739	136,077	12,455	514,832	14,965	14,744	4,957	2017-09-13 15:45
236,834	55,659	1,611	1,601	35539,383	35780,411	132,950	12,263	514,833	14,649	14,360	4,892	2017-09-13 15:45
237,000	55,668	1,612	1,600	35607,808	35243,674	167,065	11,847	514,832	14,916	14,791	4,965	2017-09-13 15:45
237,167	55,664	1,608	1,601	35592,152	35004,987	180,737	11,890	514,832	14,741	14,686	4,947	2017-09-13 15:45
237,334	55,651	1,607	1,600	35389,069	35069,935	169,908	12,672	514,737	14,758	14,908	4,985	2017-09-13 15:45
237,500	55,643	1,607	1,597	35374,374	35775,562	163,810	13,296	514,737	14,929	14,832	4,972	2017-09-13 15:45
237,667	55,636	1,607	1,598	35463,055	35657,622	187,652	12,719	514,644	15,383	14,864	4,977	2017-09-13 15:46
237,834	55,632	1,608	1,599	35536,998	35602,722	205,677	13,192	514,738	14,734	14,885	4,981	2017-09-13 15:46
238,000	55,650	1,607	1,599	35549,308	34972,456	165,217	13,399	514,644	14,780	14,941	4,990	2017-09-13 15:46
238,167	55,589	1,608	1,600	35760,765	36078,199	170,029	13,235	514,644	14,643	14,833	4,972	2017-09-13 15:46
238,334	55,525	1,609	1,598	35872,563	35571,667	138,568	13,217	514,644	14,883	14,610	4,935	2017-09-13 15:46
238,500	55,513	1,608	1,599	35787,647	36053,008	154,926	13,680	514,644	14,526	14,308	4,883	2017-09-13 15:46
238,667	55,518	1,619	1,598	36067,925	36495,780	182,179	13,394	514,550	15,017	14,721	4,953	2017-09-13 15:47
238,834	55,522	1,612	1,600	36119,675	36071,265	193,694	13,769	514,457	14,748	15,098	5,016	2017-09-13 15:47
239,000	55,510	1,611	1,599	36196,871	36600,817	202,960	13,463	514,550	14,927	14,899	4,983	2017-09-13 15:47
239,167	55,497	1,610	1,600	36424,586	36741,210	191,623	13,375	514,550	14,571	14,149	4,856	2017-09-13 15:47
239,334	55,497	1,610	1,599	36493,583	36113,573	159,283	13,145	514,550	15,174	14,671	4,945	2017-09-13 15:47
239,500	55,493	1,613	1,599	36386,105	36328,138	151,364	12,686	514,458	14,938	14,982	4,997	2017-09-13 15:47
239,667	55,481	1,611	1,599	36351,669	35835,745	143,397	12,334	514,457	14,612	14,316	4,885	2017-09-13 15:48
239,833	55,486	1,611	1,599	35972,335	36396,340	168,143	12,329	514,457	15,040	14,647	4,941	2017-09-13 15:48

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
240,000	0,223	0,703	0,543	0,371	0,370	142,413	19,732	26,712	24,171	23,421	21,510	20,916	21,787	20,491	82,304	62,433	75,282
240,167	0,223	0,701	0,543	0,373	0,369	142,326	19,799	20,454	24,152	23,422	21,513	20,914	21,776	20,495	82,279	62,456	75,264
240,333	0,223	0,697	0,543	0,363	0,376	142,256	19,799	10,625	24,150	23,412	21,489	20,914	21,782	20,493	82,086	62,451	75,308
240,500	0,231	0,666	0,543	0,362	0,372	142,275	19,795	10,739	24,175	23,416	21,505	20,923	21,782	20,500	81,747	62,465	75,291
240,667	0,230	0,673	0,543	0,372	0,376	142,297	19,782	13,130	24,163	23,415	21,508	20,919	21,780	20,488	81,776	62,399	75,110
240,833	0,227	0,686	0,543	0,375	0,374	142,319	19,698	18,227	24,187	23,447	21,513	20,903	21,772	20,489	82,057	62,387	75,189
241,000	0,236	0,720	0,543	0,370	0,371	142,369	19,685	24,632	24,162	23,447	21,502	20,924	21,775	20,495	81,907	62,387	75,142
241,167	0,230	0,727	0,543	0,369	0,374	142,310	19,719	29,376	24,166	23,430	21,491	20,924	21,779	20,489	82,033	62,365	75,123
241,333	0,229	0,746	0,543	0,375	0,367	142,314	19,698	20,236	24,135	23,418	21,506	20,923	21,784	20,488	81,833	62,379	75,117
241,500	0,226	0,726	0,543	0,371	0,376	142,279	19,748	13,007	24,111	23,418	21,513	20,920	21,776	20,488	81,614	62,351	75,059
241,667	0,220	0,712	0,542	0,377	0,379	142,286	19,789	18,655	24,136	23,400	21,494	20,926	21,772	20,487	82,376	62,372	75,120
241,833	0,222	0,699	0,542	0,370	0,365	142,254	19,751	18,899	24,108	23,433	21,485	20,901	21,783	20,485	81,995	62,398	75,169
242,000	0,233	0,703	0,542	0,378	0,373	142,157	19,792	15,025	24,106	23,457	21,492	20,919	21,783	20,487	81,817	62,400	75,150
242,167	0,225	0,719	0,542	0,378	0,351	142,114	19,707	13,087	24,093	23,455	21,514	20,926	21,779	20,492	81,905	62,380	75,044
242,333	0,226	0,711	0,542	0,374	0,373	142,130	19,656	18,978	24,103	23,463	21,517	20,920	21,774	20,487	81,945	62,336	75,031
242,500	0,224	0,715	0,542	0,367	0,371	142,166	19,691	28,057	24,094	23,463	21,506	20,927	21,776	20,487	81,830	62,273	75,021
242,667	0,226	0,714	0,542	0,365	0,370	142,184	19,684	21,214	24,118	23,468	21,500	20,928	21,772	20,487	81,832	62,340	75,096
242,833	0,225	0,723	0,542	0,363	0,370	142,222	19,701	22,797	24,107	23,482	21,523	20,914	21,762	20,487	81,855	62,352	75,081
243,000	0,228	0,722	0,542	0,361	0,362	142,258	19,724	20,453	24,110	23,478	21,504	20,918	21,767	20,488	82,049	62,324	74,974
243,167	0,224	0,720	0,541	0,379	0,374	142,301	19,704	19,715	24,102	23,485	21,494	20,914	21,771	20,487	82,069	62,313	75,093
243,333	0,226	0,710	0,541	0,366	0,379	142,332	19,721	20,072	24,102	23,476	21,517	20,924	21,749	20,484	82,128	62,330	75,125
243,500	0,224	0,707	0,541	0,363	0,375	142,304	19,741	16,587	24,098	23,482	21,498	20,923	21,763	20,487	82,064	62,347	75,110
243,667	0,226	0,694	0,541	0,373	0,364	142,287	19,737	12,240	24,119	23,499	21,514	20,924	21,770	20,489	81,909	62,312	75,144
243,834	0,224	0,704	0,541	0,366	0,368	142,418	19,740	11,548	24,108	23,486	21,515	20,923	21,762	20,484	81,767	62,400	75,158
244,000	0,227	0,711	0,541	0,358	0,361	142,391	19,759	8,391	24,115	23,498	21,493	20,916	21,768	20,485	82,059	62,373	75,088
244,167	0,223	0,703	0,541	0,375	0,375	142,370	19,763	11,050	24,148	23,506	21,504	20,935	21,759	20,491	81,808	62,324	75,075
244,334	0,223	0,694	0,541	0,368	0,374	142,329	19,761	11,246	24,141	23,507	21,504	20,941	21,772	20,491	81,830	62,353	75,086
244,500	0,228	0,700	0,541	0,369	0,373	142,297	19,719	16,841	24,134	23,510	21,500	20,928	21,758	20,483	81,633	62,364	75,016
244,667	0,222	0,699	0,540	0,368	0,368	142,406	19,738	20,796	24,140	23,516	21,511	20,924	21,770	20,487	81,670	62,347	74,982
244,834	0,221	0,715	0,540	0,375	0,372	142,399	19,774	16,552	24,137	23,527	21,522	20,922	21,771	20,491	81,610	62,326	74,998
245,000	0,223	0,727	0,540	0,369	0,370	142,353	19,768	13,200	24,099	23,510	21,500	20,919	21,747	20,483	81,743	62,312	74,909
245,167	0,228	0,723	0,539	0,371	0,373	142,371	19,755	16,858	24,136	23,538	21,508	20,924	21,761	20,488	81,932	62,318	74,996
245,334	0,225	0,721	0,539	0,369	0,371	142,404	19,769	15,223	24,134	23,519	21,511	20,919	21,778	20,487	81,722	62,314	75,008
245,500	0,224	0,728	0,539	0,367	0,363	142,474	19,755	16,608	24,111	23,515	21,496	20,929	21,775	20,488	82,200	62,310	75,001
245,667	0,221	0,718	0,539	0,360	0,371	142,456	19,703	22,272	24,105	23,519	21,522	20,927	21,768	20,489	81,868	62,344	75,155
245,834	0,229	0,695	0,539	0,373	0,363	142,434	19,749	18,138	24,091	23,512	21,500	20,909	21,762	20,484	81,961	62,395	75,105
246,000	0,227	0,684	0,539	0,361	0,369	142,469	19,782	24,319	24,140	23,532	21,509	20,929	21,771	20,489	81,694	62,376	75,123

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
240,000	55,481	1,616	1,599	36278,113	36707,620	149,075	12,586	514,315	14,825	14,791	4,965	2017-09-13 15:48
240,167	55,462	1,613	1,600	36308,383	36531,517	152,612	12,531	514,315	14,940	14,755	4,959	2017-09-13 15:48
240,333	55,454	1,616	1,601	36432,044	36249,744	151,969	12,425	514,315	14,539	15,046	5,008	2017-09-13 15:48
240,500	55,441	1,611	1,600	36397,583	35503,322	200,406	11,660	514,315	14,481	14,881	4,980	2017-09-13 15:48
240,667	55,435	1,608	1,600	36075,261	35611,118	196,025	11,821	514,315	14,869	15,036	5,006	2017-09-13 15:49
240,833	55,431	1,608	1,599	36195,925	36152,896	179,674	12,148	514,221	14,994	14,947	4,991	2017-09-13 15:49
241,000	55,439	1,608	1,598	36086,530	35882,977	233,744	12,999	514,221	14,802	14,831	4,972	2017-09-13 15:49
241,167	55,443	1,611	1,600	36089,165	36208,934	195,896	13,166	514,221	14,763	14,946	4,991	2017-09-13 15:49
241,333	55,441	1,611	1,600	36069,252	35820,021	189,371	13,646	514,221	14,995	14,673	4,945	2017-09-13 15:49
241,500	55,446	1,611	1,600	35964,092	35467,735	169,591	13,156	514,221	14,840	15,041	5,007	2017-09-13 15:49
241,667	55,458	1,610	1,601	36078,215	36802,380	133,964	12,808	514,127	15,061	15,179	5,030	2017-09-13 15:50
241,833	55,455	1,611	1,600	36143,344	36070,133	145,913	12,487	514,128	14,799	14,618	4,936	2017-09-13 15:50
242,000	55,438	1,609	1,599	36109,494	35696,841	216,326	12,565	514,128	15,101	14,907	4,984	2017-09-13 15:50
242,167	55,418	1,608	1,598	35949,968	35883,039	164,744	12,966	514,128	15,137	14,027	4,835	2017-09-13 15:50
242,333	55,415	1,607	1,598	35930,796	36018,413	169,623	12,778	514,034	14,961	14,904	4,984	2017-09-13 15:50
242,500	55,414	1,609	1,598	35911,016	35967,985	159,766	12,876	514,034	14,679	14,855	4,976	2017-09-13 15:50
242,667	55,409	1,614	1,597	36027,935	35957,251	167,291	12,845	514,034	14,616	14,804	4,967	2017-09-13 15:51
242,833	55,405	1,611	1,596	35985,464	35905,733	162,893	13,081	514,034	14,523	14,816	4,969	2017-09-13 15:51
243,000	55,399	1,611	1,597	35830,401	36323,330	179,869	13,045	514,034	14,428	14,495	4,915	2017-09-13 15:51
243,167	55,403	1,608	1,600	36096,826	36310,355	155,923	13,009	513,940	15,163	14,964	4,994	2017-09-13 15:51
243,333	55,406	1,611	1,601	36181,274	36451,636	167,298	12,747	513,940	14,658	15,153	5,025	2017-09-13 15:51
243,500	55,417	1,610	1,600	36112,645	36273,798	158,692	12,677	513,940	14,524	15,020	5,003	2017-09-13 15:51
243,667	55,407	1,611	1,601	36221,380	36088,096	170,651	12,362	513,940	14,924	14,544	4,923	2017-09-13 15:52
243,834	55,394	1,623	1,600	36233,153	35926,411	157,417	12,592	513,846	14,655	14,738	4,956	2017-09-13 15:52
244,000	55,399	1,611	1,601	36131,294	36247,389	174,838	12,773	513,846	14,329	14,430	4,904	2017-09-13 15:52
244,167	55,435	1,610	1,600	36010,131	35844,509	153,869	12,568	513,846	15,002	15,016	5,003	2017-09-13 15:52
244,334	55,450	1,613	1,600	36006,237	35896,797	149,248	12,353	513,847	14,722	14,945	4,991	2017-09-13 15:52
244,500	55,446	1,611	1,600	35884,114	35481,124	185,317	12,491	513,846	14,754	14,916	4,986	2017-09-13 15:52
244,667	55,442	1,610	1,600	35827,356	35544,690	147,789	12,471	513,753	14,706	14,737	4,956	2017-09-13 15:53
244,834	55,430	1,610	1,599	35865,304	35471,342	141,101	12,881	513,753	14,999	14,893	4,982	2017-09-13 15:53
245,000	55,437	1,608	1,599	35674,655	35714,746	149,676	13,186	513,753	14,766	14,794	4,965	2017-09-13 15:53
245,167	55,442	1,609	1,599	35832,401	36063,263	182,798	13,080	513,618	14,856	14,932	4,989	2017-09-13 15:53
245,334	55,442	1,609	1,601	35891,375	35685,296	165,589	13,021	513,613	14,772	14,837	4,973	2017-09-13 15:53
245,500	55,441	1,607	1,599	35849,781	36525,172	158,897	13,200	513,613	14,666	14,528	4,921	2017-09-13 15:53
245,667	55,445	1,614	1,599	36117,007	36015,718	138,769	12,950	513,613	14,414	14,829	4,971	2017-09-13 15:54
245,834	55,446	1,611	1,600	36050,603	36030,241	190,685	12,365	513,613	14,918	14,502	4,916	2017-09-13 15:54
246,000	55,459	1,611	1,600	36047,328	35567,117	179,038	12,105	513,613	14,421	14,756	4,959	2017-09-13 15:54

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
246,167	0,227	0,694	0,539	0,369	0,377	142,426	19,767	17,757	24,131	23,533	21,509	20,918	21,776	20,487	81,667	62,375	75,034
246,333	0,232	0,706	0,539	0,359	0,364	142,467	19,802	12,710	24,155	23,547	21,509	20,928	21,753	20,484	81,516	62,361	74,980
246,500	0,230	0,722	0,539	0,370	0,372	142,510	19,805	10,230	24,141	23,551	21,500	20,931	21,763	20,488	81,772	62,363	74,946
246,667	0,229	0,720	0,539	0,361	0,369	142,547	19,796	17,679	24,125	23,545	21,511	20,920	21,770	20,485	81,779	62,326	74,912
246,833	0,227	0,712	0,539	0,370	0,369	142,464	19,762	21,507	24,110	23,534	21,514	20,916	21,763	20,483	81,683	62,338	74,936
247,000	0,227	0,706	0,538	0,369	0,375	142,523	19,788	27,383	24,129	23,559	21,502	20,912	21,768	20,487	81,602	62,329	75,009
247,167	0,223	0,716	0,538	0,376	0,377	142,560	19,772	25,747	24,150	23,567	21,528	20,906	21,764	20,485	82,067	62,325	74,988
247,333	0,226	0,736	0,538	0,373	0,364	142,556	19,775	22,681	24,123	23,566	21,515	20,912	21,767	20,484	81,918	62,430	75,108
247,500	0,221	0,743	0,538	0,381	0,374	142,569	19,777	20,295	24,117	23,556	21,501	20,923	21,758	20,476	82,061	62,386	75,109
247,667	0,220	0,728	0,538	0,366	0,376	142,515	19,792	23,166	24,137	23,564	21,503	20,901	21,764	20,480	82,045	62,398	75,210
247,833	0,224	0,739	0,538	0,370	0,369	142,561	19,802	25,482	24,163	23,568	21,514	20,918	21,738	20,483	81,710	62,388	75,159
248,000	0,238	0,744	0,538	0,369	0,375	142,640	19,791	28,916	24,145	23,568	21,503	20,907	21,749	20,476	82,092	62,407	75,148
248,167	0,239	0,759	0,537	0,369	0,369	142,743	19,680	27,975	24,173	23,571	21,514	20,906	21,757	20,483	82,457	62,412	75,151
248,333	0,229	0,760	0,538	0,368	0,378	142,794	19,729	25,798	24,142	23,561	21,498	20,904	21,753	20,477	82,215	62,426	75,255
248,500	0,225	0,750	0,537	0,378	0,360	142,800	19,716	26,830	24,159	23,552	21,502	20,906	21,742	20,477	82,219	62,430	75,318
248,667	0,225	0,718	0,537	0,375	0,374	142,781	19,738	14,752	24,171	23,578	21,515	20,923	21,751	20,477	82,317	62,474	75,360
248,833	0,223	0,707	0,537	0,380	0,371	142,714	19,767	17,235	24,177	23,572	21,527	20,907	21,749	20,480	82,078	62,485	75,354
249,000	0,222	0,708	0,538	0,376	0,365	142,744	19,771	24,313	24,170	23,595	21,533	20,918	21,762	20,480	82,192	62,441	75,273
249,167	0,226	0,716	0,537	0,370	0,367	142,768	19,816	25,947	24,200	23,606	21,517	20,922	21,759	20,488	82,111	62,443	75,335
249,333	0,223	0,691	0,538	0,363	0,370	142,678	19,810	26,360	24,159	23,602	21,518	20,914	21,756	20,477	82,071	62,460	75,331
249,500	0,226	0,692	0,536	0,363	0,364	142,496	19,766	25,553	24,163	23,582	21,503	20,921	21,758	20,476	82,109	62,470	75,347
249,667	0,226	0,665	0,537	0,381	0,377	142,440	19,771	22,096	24,160	23,607	21,506	20,902	21,753	20,477	81,917	62,454	75,278
249,833	0,232	0,660	0,536	0,363	0,375	142,534	19,785	22,626	24,175	23,606	21,497	20,906	21,746	20,473	81,963	62,421	75,201
250,000	0,230	0,692	0,536	0,374	0,380	142,501	19,764	19,087	24,129	23,591	21,503	20,902	21,742	20,473	81,983	62,411	75,132
250,167	0,230	0,689	0,536	0,374	0,373	142,423	19,776	19,838	24,166	23,605	21,520	20,919	21,747	20,480	81,960	62,394	75,137
250,334	0,225	0,700	0,536	0,371	0,374	142,392	19,777	22,188	24,156	23,628	21,515	20,920	21,751	20,479	81,810	62,403	75,113
250,500	0,226	0,709	0,536	0,369	0,372	142,396	19,734	19,528	24,152	23,619	21,503	20,928	21,742	20,476	81,681	62,403	75,093
250,667	0,227	0,709	0,536	0,357	0,366	142,492	19,743	16,925	24,115	23,598	21,501	20,900	21,749	20,473	81,640	62,391	75,055
250,834	0,221	0,717	0,536	0,364	0,372	142,410	19,800	16,000	24,138	23,598	21,523	20,900	21,758	20,476	82,005	62,367	74,997
251,000	0,225	0,691	0,536	0,370	0,367	142,354	19,783	16,693	24,140	23,601	21,515	20,912	21,740	20,479	81,731	62,361	75,059
251,167	0,228	0,676	0,536	0,362	0,380	142,222	19,809	18,551	24,136	23,601	21,518	20,906	21,747	20,476	81,763	62,410	75,032
251,334	0,226	0,673	0,536	0,366	0,382	142,115	19,798	14,101	24,142	23,604	21,501	20,912	21,741	20,473	81,666	62,404	75,043
251,500	0,220	0,681	0,535	0,374	0,370	142,132	19,818	10,484	24,155	23,634	21,501	20,916	21,760	20,477	81,656	62,367	74,950
251,667	0,224	0,693	0,535	0,367	0,377	142,249	19,835	13,708	24,166	23,645	21,518	20,907	21,751	20,480	81,887	62,343	74,911
251,834	0,222	0,703	0,535	0,366	0,372	142,230	19,830	18,162	24,180	23,640	21,522	20,910	21,745	20,480	81,451	62,329	74,942
252,000	0,233	0,719	0,535	0,375	0,385	142,242	19,831	13,125	24,151	23,634	21,507	20,912	21,733	20,476	81,547	62,328	74,892
252,167	0,223	0,724	0,535	0,378	0,378	142,170	19,806	10,010	24,162	23,634	21,505	20,915	21,741	20,472	81,705	62,332	74,836

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
246,167	55,474	1,608	1,598	35822,635	35453,318	178,198	12,359	513,613	14,760	15,069	5,012	2017-09-13 15:54
246,333	55,478	1,610	1,599	35728,158	35234,409	209,843	12,656	513,613	14,373	14,568	4,927	2017-09-13 15:54
246,500	55,470	1,610	1,601	35736,530	35703,796	197,686	13,057	513,520	14,795	14,882	4,980	2017-09-13 15:54
246,667	55,469	1,610	1,600	35651,076	35787,292	189,934	13,001	513,519	14,438	14,741	4,957	2017-09-13 15:55
246,833	55,475	1,612	1,602	35717,687	35648,499	174,424	12,799	513,520	14,817	14,752	4,958	2017-09-13 15:55
247,000	55,463	1,611	1,600	35828,872	35489,331	176,961	12,641	513,426	14,759	14,983	4,997	2017-09-13 15:55
247,167	55,457	1,608	1,600	35812,229	36285,112	150,586	12,910	513,425	15,022	15,076	5,013	2017-09-13 15:55
247,333	55,450	1,619	1,601	36075,703	36049,202	172,962	13,394	513,425	14,924	14,544	4,923	2017-09-13 15:55
247,500	55,453	1,613	1,598	36002,315	36264,436	136,907	13,564	513,425	15,237	14,963	4,994	2017-09-13 15:55
247,667	55,459	1,606	1,597	36146,533	36053,875	133,763	13,209	513,332	14,652	15,054	5,009	2017-09-13 15:56
247,833	55,462	1,609	1,598	36080,936	35531,008	156,371	13,472	513,333	14,791	14,749	4,958	2017-09-13 15:56
248,000	55,467	1,613	1,600	36086,019	36281,241	242,121	13,601	513,333	14,751	14,986	4,998	2017-09-13 15:56
248,167	55,484	1,611	1,601	36088,854	36908,343	249,889	13,968	513,238	14,776	14,779	4,963	2017-09-13 15:56
248,333	55,473	1,613	1,600	36268,353	36470,791	191,206	13,991	513,332	14,719	15,111	5,018	2017-09-13 15:56
248,500	55,469	1,607	1,600	36391,648	36339,378	164,731	13,749	513,237	15,107	14,410	4,901	2017-09-13 15:56
248,667	55,461	1,610	1,600	36484,020	36500,700	166,464	12,944	513,238	14,998	14,965	4,994	2017-09-13 15:57
248,833	55,450	1,609	1,600	36483,613	36034,166	152,615	12,686	513,237	15,215	14,850	4,975	2017-09-13 15:57
249,000	55,447	1,610	1,598	36314,752	36342,542	145,503	12,705	513,332	15,034	14,608	4,934	2017-09-13 15:57
249,167	55,450	1,610	1,599	36432,379	36178,513	170,648	12,897	513,238	14,818	14,667	4,944	2017-09-13 15:57
249,333	55,453	1,608	1,602	36483,860	36045,705	150,100	12,279	513,339	14,522	14,795	4,966	2017-09-13 15:57
249,500	55,457	1,611	1,600	36459,496	36155,361	168,980	12,294	513,051	14,518	14,577	4,929	2017-09-13 15:57
249,667	55,461	1,611	1,598	36301,319	35833,074	173,396	11,625	513,145	15,234	15,088	5,015	2017-09-13 15:58
249,833	55,463	1,610	1,602	36225,730	35954,958	207,981	11,504	513,051	14,529	14,996	4,999	2017-09-13 15:58
250,000	55,467	1,608	1,598	36017,214	35970,372	192,908	12,303	513,051	14,942	15,195	5,032	2017-09-13 15:58
250,167	55,477	1,608	1,600	36049,328	35960,372	198,127	12,234	513,051	14,953	14,931	4,988	2017-09-13 15:58
250,334	55,485	1,610	1,600	35989,975	35705,367	164,991	12,488	513,051	14,824	14,968	4,995	2017-09-13 15:58
250,500	55,485	1,611	1,600	35952,135	35480,886	169,932	12,726	512,958	14,741	14,866	4,978	2017-09-13 15:58
250,667	55,484	1,608	1,599	35854,798	35381,798	178,833	12,716	512,958	14,275	14,655	4,942	2017-09-13 15:59
250,834	55,489	1,608	1,599	35752,514	36089,783	141,685	12,931	512,958	14,571	14,868	4,978	2017-09-13 15:59
251,000	55,489	1,612	1,600	35882,762	35687,236	162,886	12,273	513,051	14,789	14,699	4,950	2017-09-13 15:59
251,167	55,496	1,618	1,600	35829,896	35781,475	185,345	11,905	512,958	14,470	15,197	5,033	2017-09-13 15:59
251,334	55,496	1,616	1,601	35860,376	35567,521	167,732	11,823	512,958	14,653	15,283	5,047	2017-09-13 15:59
251,500	55,497	1,613	1,603	35729,484	35551,560	133,474	12,033	512,816	14,969	14,806	4,968	2017-09-13 15:59
251,667	55,501	1,610	1,603	35651,337	35951,394	160,374	12,330	512,722	14,693	15,095	5,016	2017-09-13 16:00
251,834	55,502	1,610	1,603	35705,412	35178,937	148,001	12,584	512,816	14,635	14,890	4,982	2017-09-13 16:00
252,000	55,493	1,610	1,603	35638,470	35351,903	216,764	12,973	512,723	15,017	15,399	5,066	2017-09-13 16:00
252,167	55,500	1,610	1,604	35544,424	35639,042	149,064	13,098	512,723	15,123	15,129	5,021	2017-09-13 16:00

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
252,334	0,225	0,721	0,535	0,360	0,370	142,179	19,811	10,689	24,147	23,619	21,505	20,899	21,735	20,469	82,114	62,304	74,862
252,500	0,224	0,715	0,535	0,368	0,373	142,171	19,827	15,841	24,148	23,636	21,518	20,911	21,729	20,472	81,478	62,312	74,957
252,667	0,222	0,708	0,535	0,366	0,372	142,141	19,861	19,239	24,122	23,624	21,512	20,898	21,737	20,471	81,664	62,365	74,905
252,834	0,221	0,720	0,534	0,385	0,385	142,082	19,852	22,101	24,111	23,612	21,507	20,909	21,743	20,469	81,596	62,403	74,866
253,000	0,222	0,713	0,534	0,376	0,376	142,054	19,853	15,704	24,119	23,609	21,515	20,911	21,737	20,469	81,525	62,380	74,924
253,167	0,223	0,696	0,535	0,366	0,372	142,090	19,879	10,318	24,145	23,616	21,514	20,916	21,743	20,476	81,726	62,390	74,892
253,333	0,236	0,702	0,534	0,377	0,377	142,214	19,819	9,590	24,117	23,613	21,524	20,912	21,733	20,469	81,883	62,396	74,881
253,500	0,234	0,724	0,534	0,383	0,378	142,198	19,837	14,213	24,103	23,624	21,503	20,911	21,741	20,472	81,963	62,414	74,998
253,667	0,223	0,716	0,534	0,370	0,372	142,140	19,803	18,562	24,126	23,625	21,507	20,900	21,745	20,471	81,672	62,441	74,980
253,833	0,224	0,718	0,534	0,372	0,379	142,132	19,769	16,072	24,133	23,630	21,507	20,904	21,743	20,469	81,735	62,404	74,908
254,000	0,223	0,702	0,534	0,370	0,364	142,101	19,798	11,820	24,142	23,625	21,512	20,906	21,734	20,469	81,737	62,414	74,927
254,167	0,228	0,700	0,533	0,360	0,367	142,063	19,768	6,928	24,107	23,623	21,503	20,916	21,737	20,471	81,748	62,406	74,938
254,333	0,225	0,696	0,534	0,368	0,365	142,101	19,800	11,390	24,130	23,621	21,503	20,902	21,724	20,469	81,951	62,411	75,023
254,500	0,223	0,690	0,534	0,364	0,381	142,190	19,780	13,033	24,103	23,615	21,514	20,903	21,742	20,469	81,682	62,438	74,959
254,667	0,224	0,704	0,533	0,367	0,376	142,201	19,730	15,477	24,125	23,623	21,519	20,911	21,742	20,471	81,860	62,450	74,978
254,833	0,223	0,713	0,533	0,372	0,370	142,202	19,747	16,957	24,128	23,645	21,501	20,906	21,747	20,471	81,575	62,410	74,931
255,000	0,222	0,724	0,533	0,371	0,367	142,199	19,764	12,775	24,113	23,646	21,510	20,920	21,724	20,469	81,672	62,412	74,938
255,167	0,221	0,737	0,533	0,375	0,380	142,285	19,819	13,289	24,089	23,642	21,507	20,899	21,729	20,468	81,724	62,395	74,950
255,333	0,224	0,725	0,534	0,379	0,360	142,280	19,771	17,142	24,085	23,643	21,508	20,928	21,758	20,471	81,612	62,372	74,977
255,500	0,222	0,718	0,533	0,364	0,377	142,292	19,641	18,643	24,079	23,621	21,503	20,920	21,752	20,468	81,844	62,400	75,019
255,667	0,223	0,708	0,533	0,363	0,376	142,272	19,816	18,368	24,082	23,630	21,521	20,902	21,730	20,467	81,944	62,418	75,027
255,833	0,220	0,712	0,533	0,364	0,361	142,297	19,836	14,546	24,060	23,626	21,528	20,907	21,747	20,467	81,744	62,415	75,069
256,000	0,221	0,729	0,532	0,363	0,375	142,328	19,806	19,679	24,064	23,641	21,516	20,911	21,741	20,468	81,841	62,407	75,013
256,167	0,222	0,705	0,532	0,370	0,377	142,345	19,779	17,569	24,072	23,652	21,514	20,933	21,732	20,469	81,929	62,415	75,002
256,333	0,227	0,712	0,531	0,360	0,371	142,442	19,784	16,372	24,076	23,654	21,507	20,916	21,742	20,468	81,978	62,368	75,086
256,500	0,225	0,704	0,532	0,371	0,379	142,366	19,806	19,938	24,070	23,632	21,519	20,908	21,735	20,467	81,871	62,490	75,171
256,667	0,223	0,711	0,532	0,370	0,375	142,481	19,751	18,869	24,077	23,662	21,508	20,911	21,745	20,467	81,971	62,469	75,105
256,833	0,220	0,723	0,530	0,371	0,373	142,540	19,801	19,566	24,063	23,649	21,511	20,908	21,750	20,468	81,857	62,416	75,058
257,000	0,225	0,727	0,531	0,365	0,375	142,478	19,759	17,093	24,072	23,642	21,515	20,913	21,738	20,468	82,082	62,421	75,097
257,167	0,224	0,705	0,531	0,373	0,378	142,458	19,777	21,616	24,059	23,645	21,520	20,912	21,756	20,473	82,020	62,394	74,974
257,334	0,224	0,689	0,531	0,367	0,374	142,498	19,776	22,544	24,056	23,663	21,525	20,907	21,728	20,464	81,889	62,382	75,004
257,500	0,224	0,713	0,531	0,371	0,368	142,528	19,767	21,210	24,051	23,659	21,518	20,911	21,733	20,467	81,764	62,377	75,088
257,667	0,224	0,719	0,531	0,366	0,381	142,474	19,807	13,596	24,068	23,680	21,512	20,912	21,738	20,468	81,980	62,394	75,052
257,834	0,224	0,728	0,531	0,373	0,370	142,437	19,824	15,529	24,065	23,656	21,504	20,908	21,739	20,467	82,321	62,396	75,090
258,000	0,227	0,732	0,530	0,370	0,373	142,484	19,780	16,875	24,072	23,656	21,511	20,900	21,742	20,468	81,713	62,400	75,186
258,167	0,226	0,721	0,530	0,367	0,377	142,474	19,779	21,360	24,065	23,667	21,512	20,912	21,745	20,471	82,078	62,438	75,146
258,334	0,228	0,706	0,530	0,376	0,368	142,445	19,802	16,790	24,074	23,652	21,524	20,920	21,738	20,468	82,051	62,437	75,082

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
252,334	55,500	1,605	1,603	35561,613	36341,527	164,345	13,030	512,722	14,389	14,792	4,965	2017-09-13 16:00
252,500	55,589	1,606	1,601	35532,989	35187,537	158,918	12,884	512,723	14,732	14,910	4,985	2017-09-13 16:00
252,667	55,636	1,608	1,600	35337,375	35466,639	144,867	12,712	512,723	14,655	14,891	4,982	2017-09-13 16:01
252,834	55,623	1,607	1,601	35306,122	35238,143	139,426	12,995	512,629	15,404	15,390	5,065	2017-09-13 16:01
253,000	55,616	1,605	1,603	35461,420	35116,368	147,160	12,824	512,688	15,036	15,021	5,004	2017-09-13 16:01
253,167	55,616	1,607	1,603	35406,732	35508,816	148,613	12,392	512,816	14,643	14,873	4,979	2017-09-13 16:01
253,333	55,609	1,609	1,603	35388,763	35842,681	234,803	12,549	512,629	15,099	15,099	5,017	2017-09-13 16:01
253,500	55,608	1,616	1,603	35616,446	36092,629	217,532	13,090	512,629	15,319	15,134	5,022	2017-09-13 16:01
253,667	55,600	1,614	1,604	35626,594	35472,242	150,114	12,896	512,629	14,804	14,868	4,978	2017-09-13 16:02
253,833	55,595	1,610	1,599	35379,349	35564,876	154,926	12,959	512,629	14,878	15,158	5,026	2017-09-13 16:02
254,000	55,600	1,608	1,603	35502,556	35515,152	154,081	12,546	512,534	14,783	14,565	4,927	2017-09-13 16:02
254,167	55,607	1,608	1,602	35495,263	35546,419	180,487	12,491	512,441	14,405	14,676	4,946	2017-09-13 16:02
254,333	55,631	1,609	1,603	35614,784	35929,433	161,593	12,398	512,535	14,724	14,606	4,934	2017-09-13 16:02
254,500	55,648	1,607	1,601	35434,421	35347,165	154,731	12,252	512,535	14,576	15,255	5,042	2017-09-13 16:02
254,667	55,620	1,608	1,600	35489,102	35669,077	157,601	12,606	512,441	14,660	15,055	5,009	2017-09-13 16:03
254,833	55,573	1,605	1,601	35519,089	35159,578	154,234	12,823	512,441	14,884	14,813	4,969	2017-09-13 16:03
255,000	55,557	1,610	1,601	35561,880	35425,886	146,344	13,096	512,441	14,830	14,686	4,947	2017-09-13 16:03
255,167	55,552	1,609	1,604	35661,305	35544,756	138,599	13,418	512,348	14,986	15,219	5,036	2017-09-13 16:03
255,333	55,546	1,607	1,603	35689,512	35343,654	155,673	13,136	512,535	15,150	14,408	4,900	2017-09-13 16:03
255,500	55,545	1,617	1,601	35733,045	35928,527	147,813	12,943	512,348	14,547	15,061	5,010	2017-09-13 16:03
255,667	55,544	1,610	1,605	35822,885	35920,998	149,043	12,710	512,347	14,532	15,041	5,007	2017-09-13 16:04
255,833	55,546	1,608	1,604	35885,747	35522,853	132,105	12,812	512,348	14,577	14,441	4,906	2017-09-13 16:04
256,000	55,553	1,608	1,603	35741,980	35715,459	138,780	13,220	512,254	14,507	15,000	5,000	2017-09-13 16:04
256,167	55,557	1,613	1,604	35751,882	35965,873	144,648	12,631	512,255	14,798	15,077	5,013	2017-09-13 16:04
256,333	55,569	1,611	1,601	35809,696	36103,774	179,462	12,812	512,117	14,419	14,835	4,972	2017-09-13 16:04
256,500	55,554	1,619	1,600	35967,778	35848,588	166,037	12,610	512,254	14,839	15,159	5,026	2017-09-13 16:04
256,667	55,537	1,613	1,602	35911,757	35949,928	152,841	12,767	512,255	14,796	14,984	4,997	2017-09-13 16:05
256,833	55,532	1,605	1,602	35853,759	35669,004	131,664	13,069	511,930	14,845	14,910	4,985	2017-09-13 16:05
257,000	55,529	1,608	1,601	35909,357	36125,929	160,999	13,176	512,024	14,590	14,986	4,998	2017-09-13 16:05
257,167	55,524	1,608	1,603	35724,517	36065,805	157,247	12,630	512,117	14,931	15,103	5,017	2017-09-13 16:05
257,334	55,522	1,610	1,604	35816,182	35889,135	158,494	12,229	512,024	14,692	14,962	4,994	2017-09-13 16:05
257,500	55,517	1,610	1,603	35944,149	35661,400	155,506	12,832	512,023	14,860	14,730	4,955	2017-09-13 16:05
257,667	55,517	1,608	1,602	35856,373	35998,704	157,462	12,984	512,023	14,649	15,228	5,038	2017-09-13 16:06
257,834	55,525	1,608	1,601	35900,329	36616,656	155,961	13,192	512,023	14,900	14,806	4,968	2017-09-13 16:06
258,000	55,529	1,607	1,601	36070,525	35457,809	174,966	13,296	511,929	14,785	14,940	4,990	2017-09-13 16:06
258,167	55,536	1,616	1,602	36009,920	36266,695	167,858	13,019	511,929	14,698	15,082	5,014	2017-09-13 16:06
258,334	55,529	1,611	1,602	35890,717	36101,102	182,190	12,641	511,930	15,050	14,730	4,955	2017-09-13 16:06

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
258,500	0,224	0,698	0,530	0,373	0,362	142,435	19,824	13,346	24,073	23,646	21,516	20,900	21,741	20,467	81,863	62,427	75,082
258,667	0,228	0,689	0,530	0,371	0,375	142,496	19,836	10,666	24,082	23,665	21,510	20,896	21,735	20,464	81,759	62,394	75,019
258,834	0,224	0,691	0,530	0,369	0,367	142,461	19,819	8,679	24,098	23,692	21,510	20,921	21,750	20,469	81,743	62,379	74,990
259,000	0,225	0,706	0,530	0,379	0,379	142,467	19,835	17,960	24,087	23,695	21,511	20,903	21,720	20,465	81,890	62,380	74,988
259,167	0,222	0,708	0,530	0,359	0,389	142,462	19,816	17,981	24,090	23,684	21,510	20,907	21,735	20,467	81,559	62,388	75,055
259,334	0,230	0,709	0,530	0,380	0,374	142,597	19,847	17,514	24,104	23,695	21,522	20,926	21,742	20,471	81,886	62,396	75,061
259,500	0,225	0,709	0,529	0,371	0,367	142,598	19,809	22,554	24,105	23,701	21,510	20,909	21,739	20,467	81,951	62,387	75,058
259,667	0,226	0,725	0,529	0,370	0,374	142,574	19,826	13,992	24,112	23,695	21,524	20,919	21,728	20,467	81,779	62,391	75,065
259,833	0,222	0,734	0,529	0,368	0,364	142,549	19,818	11,904	24,107	23,708	21,520	20,909	21,733	20,465	81,910	62,414	75,052
260,000	0,223	0,728	0,529	0,372	0,375	142,645	19,819	9,183	24,117	23,714	21,540	20,907	21,745	20,476	82,047	62,403	75,035
260,167	0,218	0,725	0,529	0,370	0,377	142,631	19,794	13,022	24,091	23,693	21,528	20,900	21,735	20,464	81,921	62,398	75,119
260,333	0,219	0,707	0,529	0,371	0,367	142,610	19,772	21,647	24,085	23,704	21,512	20,911	21,726	20,463	82,045	62,410	75,105
260,500	0,220	0,702	0,529	0,374	0,368	142,563	19,789	26,165	24,094	23,698	21,520	20,908	21,726	20,464	81,766	62,416	75,174
260,667	0,227	0,689	0,529	0,374	0,382	142,545	19,816	24,720	24,096	23,733	21,519	20,890	21,745	20,468	81,832	62,429	75,069
260,833	0,226	0,697	0,529	0,374	0,372	142,454	19,828	22,048	24,107	23,719	21,528	20,899	21,720	20,461	81,799	62,392	75,015
261,000	0,225	0,695	0,528	0,376	0,380	142,540	19,837	17,173	24,117	23,717	21,524	20,905	21,724	20,460	81,825	62,394	75,048
261,167	0,231	0,700	0,528	0,358	0,378	142,623	19,852	21,669	24,138	23,745	21,516	20,907	21,744	20,464	81,821	62,387	75,044
261,333	0,226	0,735	0,528	0,368	0,364	142,665	19,841	20,620	24,142	23,740	21,507	20,904	21,733	20,463	82,114	62,375	75,055
261,500	0,231	0,760	0,528	0,364	0,364	142,801	19,827	16,494	24,142	23,742	21,519	20,908	21,730	20,467	82,115	62,382	75,119
261,667	0,226	0,769	0,528	0,375	0,379	142,828	19,831	20,136	24,085	23,719	21,517	20,899	21,721	20,464	82,173	62,438	75,250
261,833	0,224	0,752	0,528	0,381	0,376	142,773	19,849	25,636	24,092	23,703	21,520	20,899	21,733	20,465	81,868	62,457	75,247
262,000	0,225	0,694	0,528	0,380	0,376	142,671	19,857	28,126	24,098	23,708	21,507	20,892	21,734	20,463	81,971	62,437	75,221
262,167	0,228	0,670	0,528	0,361	0,371	142,650	19,824	23,799	24,118	23,733	21,504	20,899	21,733	20,463	82,122	62,465	75,217
262,333	0,224	0,693	0,527	0,373	0,371	142,666	19,839	27,052	24,112	23,721	21,517	20,907	21,722	20,461	81,695	62,445	75,110
262,500	0,221	0,712	0,527	0,375	0,382	142,649	19,810	21,443	24,090	23,723	21,533	20,899	21,720	20,459	81,975	62,404	75,100
262,667	0,224	0,709	0,527	0,374	0,371	142,676	19,831	11,979	24,077	23,716	21,500	20,890	21,729	20,461	81,808	62,396	75,093
262,833	0,223	0,710	0,527	0,375	0,371	142,731	19,764	12,711	24,100	23,712	21,516	20,899	21,734	20,461	81,884	62,433	75,169
263,000	0,227	0,712	0,527	0,364	0,375	142,854	19,820	20,736	24,078	23,716	21,531	20,887	21,738	20,464	81,843	62,418	75,100
263,167	0,223	0,713	0,527	0,375	0,376	142,837	19,701	21,229	24,092	23,703	21,495	20,907	21,740	20,460	81,897	62,406	75,073
263,333	0,223	0,729	0,527	0,375	0,381	142,913	19,867	14,462	24,091	23,729	21,500	20,883	21,735	20,460	82,047	62,392	75,063
263,500	0,222	0,741	0,527	0,373	0,370	142,897	19,720	20,873	24,079	23,702	21,499	20,888	21,718	20,460	81,817	62,375	75,133
263,667	0,218	0,732	0,526	0,365	0,373	142,863	19,823	24,247	24,053	23,715	21,523	20,899	21,712	20,459	81,999	62,403	75,121
263,834	0,222	0,740	0,526	0,369	0,380	142,709	19,828	15,085	24,048	23,693	21,496	20,882	21,731	20,459	82,068	62,422	75,198
264,000	0,219	0,721	0,526	0,370	0,383	142,568	19,807	17,165	24,034	23,698	21,507	20,877	21,723	20,459	82,084	62,433	75,164
264,167	0,225	0,698	0,526	0,367	0,378	142,544	19,799	19,431	24,056	23,707	21,510	20,874	21,726	20,460	81,922	62,427	75,166
264,334	0,222	0,704	0,526	0,375	0,360	142,462	19,802	14,648	24,065	23,719	21,502	20,892	21,729	20,460	81,845	62,443	75,169
264,500	0,223	0,713	0,526	0,373	0,379	142,483	19,827	16,090	24,069	23,711	21,527	20,882	21,723	20,459	81,679	62,427	75,171

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
258,500	55,520	1,607	1,601	35898,191	35690,470	157,483	12,442	511,929	14,922	14,494	4,915	2017-09-13 16:06
258,667	55,521	1,610	1,602	35782,661	35625,061	180,928	12,224	511,929	14,860	14,999	5,000	2017-09-13 16:07
258,834	55,522	1,610	1,601	35720,348	35619,102	156,180	12,273	511,836	14,772	14,684	4,947	2017-09-13 16:07
259,000	55,514	1,608	1,604	35802,593	35857,094	160,999	12,647	511,836	15,169	15,150	5,025	2017-09-13 16:07
259,167	55,514	1,608	1,603	35890,882	35228,170	146,775	12,695	511,837	14,342	15,558	5,092	2017-09-13 16:07
259,334	55,514	1,612	1,603	35900,844	35912,098	194,229	12,730	511,837	15,192	14,942	4,990	2017-09-13 16:07
259,500	55,504	1,607	1,604	35951,781	35931,715	161,562	12,723	511,741	14,850	14,686	4,947	2017-09-13 16:07
259,667	55,502	1,614	1,600	35871,406	35752,480	168,966	13,118	511,742	14,820	14,968	4,995	2017-09-13 16:08
259,833	55,516	1,612	1,603	35878,602	35907,444	144,867	13,343	511,742	14,739	14,572	4,928	2017-09-13 16:08
260,000	55,509	1,608	1,600	35798,801	36099,447	148,845	13,206	511,742	14,880	15,007	5,001	2017-09-13 16:08
260,167	55,516	1,610	1,601	35969,843	35912,589	121,390	13,134	511,742	14,794	15,068	5,011	2017-09-13 16:08
260,333	55,524	1,607	1,604	35981,753	36054,954	128,117	12,685	511,648	14,843	14,692	4,948	2017-09-13 16:08
260,500	55,534	1,607	1,602	36058,050	35541,121	132,918	12,546	511,648	14,948	14,733	4,955	2017-09-13 16:08
260,667	55,530	1,607	1,601	35854,944	35643,102	178,204	12,213	511,648	14,954	15,282	5,047	2017-09-13 16:09
260,833	55,512	1,607	1,602	35792,582	35635,295	170,536	12,433	511,648	14,979	14,886	4,981	2017-09-13 16:09
261,000	55,500	1,610	1,603	35905,781	35761,178	162,246	12,382	511,554	15,056	15,192	5,032	2017-09-13 16:09
261,167	55,496	1,606	1,603	35913,642	35667,205	200,396	12,492	511,554	14,340	15,135	5,022	2017-09-13 16:09
261,333	55,493	1,605	1,602	35917,907	36205,307	172,527	13,370	511,554	14,732	14,579	4,929	2017-09-13 16:09
261,500	55,492	1,610	1,600	35990,365	36307,821	201,070	14,004	511,461	14,547	14,557	4,926	2017-09-13 16:09
261,667	55,497	1,613	1,602	36254,521	36369,097	172,958	14,224	511,462	15,008	15,160	5,027	2017-09-13 16:10
261,833	55,501	1,608	1,603	36262,708	35668,754	160,245	13,798	511,461	15,236	15,031	5,005	2017-09-13 16:10
262,000	55,504	1,608	1,602	36187,137	35900,076	164,991	12,347	511,462	15,181	15,032	5,005	2017-09-13 16:10
262,167	55,513	1,611	1,601	36155,878	36193,016	181,971	11,749	511,462	14,422	14,840	4,973	2017-09-13 16:10
262,333	55,510	1,608	1,603	36000,178	35377,147	159,526	12,329	511,319	14,910	14,843	4,974	2017-09-13 16:10
262,500	55,513	1,607	1,602	35947,858	35937,127	138,478	12,789	511,319	15,002	15,272	5,045	2017-09-13 16:10
262,667	55,509	1,609	1,601	35933,658	35701,965	157,459	12,737	511,319	14,962	14,846	4,974	2017-09-13 16:11
262,833	55,506	1,610	1,600	36046,362	35780,400	152,205	12,746	511,319	14,998	14,822	4,970	2017-09-13 16:11
263,000	55,496	1,610	1,603	36009,802	35734,359	178,764	12,805	511,319	14,562	15,017	5,003	2017-09-13 16:11
263,167	55,490	1,610	1,600	35901,470	35852,782	150,531	12,835	511,319	14,990	15,024	5,004	2017-09-13 16:11
263,333	55,489	1,610	1,603	35952,337	36157,557	154,099	13,225	511,225	15,019	15,226	5,038	2017-09-13 16:11
263,500	55,497	1,609	1,603	36081,369	35745,624	147,615	13,519	511,225	14,918	14,816	4,969	2017-09-13 16:11
263,667	55,498	1,608	1,602	36025,387	36013,813	121,390	13,298	511,132	14,582	14,930	4,988	2017-09-13 16:12
263,834	55,509	1,607	1,604	36183,703	36091,656	144,429	13,493	511,149	14,742	15,209	5,035	2017-09-13 16:12
264,000	55,520	1,611	1,604	36098,517	36184,104	126,623	13,032	511,132	14,796	15,303	5,050	2017-09-13 16:12
264,167	55,520	1,609	1,604	36120,087	35850,501	163,292	12,449	511,132	14,660	15,136	5,023	2017-09-13 16:12
264,334	55,513	1,607	1,604	36124,710	35629,619	146,240	12,609	511,038	14,987	14,411	4,901	2017-09-13 16:12
264,500	55,520	1,606	1,602	36068,414	35343,977	150,930	12,826	511,132	14,924	15,157	5,026	2017-09-13 16:12

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
264,667	0,222	0,716	0,526	0,377	0,375	142,455	19,795	27,312	24,055	23,702	21,520	20,886	21,731	20,460	81,998	62,439	75,089
264,834	0,222	0,720	0,526	0,369	0,373	142,369	19,794	23,409	24,048	23,697	21,532	20,886	21,720	20,460	81,975	62,402	75,094
265,000	0,217	0,706	0,526	0,369	0,371	142,281	19,782	22,880	24,078	23,690	21,528	20,887	21,734	20,461	81,856	62,376	75,109
265,167	0,222	0,695	0,526	0,372	0,368	142,240	19,781	27,336	24,060	23,693	21,510	20,896	21,716	20,460	82,167	62,461	75,104
265,334	0,223	0,707	0,526	0,362	0,366	142,173	19,777	28,015	24,056	23,708	21,508	20,881	21,729	20,456	82,090	62,404	75,164
265,500	0,220	0,716	0,525	0,366	0,375	142,185	19,803	28,090	24,069	23,704	21,513	20,891	21,722	20,459	81,778	62,434	75,175
265,667	0,222	0,740	0,525	0,380	0,367	142,247	19,799	28,156	24,061	23,699	21,516	20,890	21,714	20,459	81,965	62,406	75,067
265,834	0,220	0,742	0,525	0,373	0,368	142,162	19,805	24,405	24,043	23,689	21,519	20,878	21,729	20,457	82,330	62,396	75,077
266,000	0,219	0,721	0,525	0,371	0,377	142,155	19,812	17,936	24,044	23,689	21,508	20,882	21,730	20,465	82,024	62,400	75,154
266,167	0,221	0,712	0,525	0,366	0,372	142,189	19,808	19,696	24,031	23,693	21,510	20,888	21,725	20,461	81,945	62,414	75,137
266,334	0,221	0,709	0,525	0,363	0,378	142,137	19,805	15,079	24,047	23,682	21,506	20,882	21,725	20,459	81,745	62,425	75,101
266,500	0,224	0,712	0,526	0,365	0,364	141,987	19,814	13,198	24,034	23,685	21,527	20,875	21,726	20,463	81,897	62,387	75,034
266,667	0,228	0,691	0,524	0,370	0,372	141,919	19,781	12,406	24,049	23,694	21,534	20,883	21,721	20,459	81,597	62,383	75,055
266,833	0,225	0,684	0,525	0,369	0,368	141,835	19,819	22,937	24,041	23,704	21,532	20,890	21,710	20,457	81,914	62,394	74,970
267,000	0,226	0,703	0,525	0,363	0,374	141,678	19,810	20,301	24,026	23,693	21,515	20,867	21,712	20,455	81,795	62,356	74,997
267,167	0,222	0,693	0,524	0,368	0,376	141,559	19,814	19,112	24,028	23,693	21,517	20,877	21,725	20,456	81,770	62,384	74,992
267,333	0,222	0,688	0,524	0,371	0,371	141,521	19,778	20,713	24,043	23,704	21,523	20,883	21,713	20,459	81,660	62,353	74,909
267,500	0,223	0,684	0,524	0,372	0,370	141,674	19,778	15,045	24,065	23,725	21,516	20,888	21,713	20,460	81,691	62,333	74,955
267,667	0,222	0,710	0,525	0,357	0,381	141,690	19,801	22,593	24,066	23,706	21,530	20,883	21,722	20,457	81,845	62,317	74,877
267,833	0,219	0,719	0,524	0,367	0,369	141,666	19,786	23,353	24,038	23,708	21,528	20,871	21,730	20,455	81,606	62,308	74,877
268,000	0,222	0,710	0,524	0,379	0,372	141,601	19,810	26,145	24,031	23,700	21,524	20,873	21,721	20,456	81,501	62,314	74,793
268,167	0,221	0,717	0,524	0,373	0,367	141,478	19,786	28,870	24,048	23,721	21,517	20,882	21,737	20,460	81,429	62,295	74,834
268,333	0,218	0,712	0,524	0,354	0,376	141,396	19,807	15,083	24,051	23,720	21,516	20,879	21,716	20,457	81,481	62,317	74,854
268,500	0,220	0,706	0,523	0,376	0,370	141,495	19,829	18,151	24,049	23,719	21,527	20,871	21,725	20,459	81,462	62,302	74,859
268,667	0,219	0,706	0,523	0,363	0,365	141,432	19,824	23,083	24,034	23,718	21,524	20,863	21,709	20,451	81,516	62,360	74,866
268,833	0,222	0,716	0,523	0,361	0,376	141,441	19,840	10,545	24,034	23,732	21,536	20,889	21,734	20,468	81,982	62,328	74,854
269,000	0,223	0,717	0,523	0,370	0,371	141,333	19,827	16,214	24,040	23,720	21,534	20,883	21,731	20,464	81,505	62,329	74,836
269,167	0,221	0,718	0,522	0,372	0,370	141,277	19,767	21,675	24,017	23,717	21,529	20,883	21,720	20,456	81,524	62,308	74,805
269,333	0,223	0,715	0,522	0,378	0,374	141,318	19,747	15,900	24,052	23,726	21,519	20,874	21,718	20,455	81,474	62,298	74,777
269,500	0,222	0,722	0,522	0,362	0,374	141,295	19,773	22,185	24,044	23,719	21,519	20,858	21,714	20,453	81,679	62,305	74,836
269,667	0,217	0,734	0,523	0,366	0,370	141,249	19,798	16,764	24,026	23,700	21,526	20,869	21,719	20,455	81,725	62,289	74,867
269,833	0,216	0,719	0,522	0,366	0,377	141,125	19,767	19,784	24,010	23,694	21,521	20,873	21,713	20,455	81,762	62,329	74,898
270,000	0,221	0,690	0,522	0,370	0,375	141,118	19,778	24,298	24,015	23,704	21,519	20,881	21,729	20,456	81,672	62,314	74,897
270,167	0,222	0,680	0,522	0,376	0,370	141,000	19,772	31,972	24,024	23,715	21,515	20,884	21,712	20,453	81,583	62,301	74,843
270,333	0,224	0,689	0,522	0,366	0,364	140,909	19,782	24,107	24,044	23,734	21,521	20,877	21,714	20,459	81,512	62,298	74,747
270,500	0,224	0,698	0,523	0,364	0,371	140,831	19,785	21,627	24,053	23,738	21,523	20,879	21,708	20,456	81,439	62,213	74,649
270,667	0,221	0,707	0,522	0,372	0,377	140,828	19,800	21,247	24,056	23,720	21,513	20,871	21,709	20,451	81,847	62,247	74,777

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
264,667	55,520	1,605	1,600	35883,779	35880,630	143,804	12,911	511,132	15,076	14,981	4,997	2017-09-13 16:13
264,834	55,516	1,611	1,604	35991,546	36034,918	142,748	13,005	511,038	14,756	14,907	4,984	2017-09-13 16:13
265,000	55,505	1,607	1,602	35981,484	35777,715	114,886	12,648	511,038	14,778	14,838	4,973	2017-09-13 16:13
265,167	55,506	1,614	1,603	35992,388	36345,129	143,814	12,383	511,038	14,881	14,707	4,951	2017-09-13 16:13
265,334	55,498	1,610	1,603	36125,446	36216,155	153,664	12,687	511,038	14,464	14,649	4,941	2017-09-13 16:13
265,500	55,501	1,608	1,603	36136,761	35544,639	132,043	12,889	510,945	14,631	15,018	5,003	2017-09-13 16:13
265,667	55,501	1,607	1,603	35942,311	35917,729	144,183	13,509	510,945	15,213	14,676	4,946	2017-09-13 16:14
265,834	55,505	1,610	1,603	35950,178	36669,973	131,865	13,540	510,945	14,922	14,731	4,955	2017-09-13 16:14
266,000	55,512	1,608	1,603	36077,141	36071,840	124,204	13,035	510,945	14,829	15,067	5,011	2017-09-13 16:14
266,167	55,518	1,608	1,604	36064,656	35884,773	139,822	12,798	510,851	14,623	14,887	4,981	2017-09-13 16:14
266,334	55,514	1,610	1,601	35945,034	35544,073	140,083	12,715	510,851	14,528	15,100	5,017	2017-09-13 16:14
266,500	55,520	1,607	1,604	35873,641	35819,148	158,897	12,802	511,196	14,617	14,575	4,929	2017-09-13 16:14
266,667	55,521	1,607	1,603	35879,241	35295,035	180,272	12,265	510,711	14,781	14,888	4,981	2017-09-13 16:15
266,833	55,516	1,608	1,606	35797,963	35877,435	163,299	12,093	510,851	14,749	14,731	4,955	2017-09-13 16:15
267,000	55,501	1,607	1,604	35841,291	35694,291	172,524	12,564	510,851	14,509	14,945	4,991	2017-09-13 16:15
267,167	55,486	1,610	1,603	35831,289	35676,095	145,357	12,325	510,758	14,703	15,034	5,006	2017-09-13 16:15
267,333	55,479	1,608	1,603	35684,400	35480,833	146,309	12,196	510,758	14,832	14,853	4,975	2017-09-13 16:15
267,500	55,486	1,608	1,604	35786,735	35569,489	151,340	12,104	510,758	14,891	14,800	4,967	2017-09-13 16:15
267,667	55,493	1,605	1,603	35609,712	35825,544	144,850	12,750	510,851	14,273	15,238	5,039	2017-09-13 16:16
267,833	55,513	1,604	1,603	35565,501	35369,817	124,969	12,984	510,758	14,662	14,759	4,960	2017-09-13 16:16
268,000	55,510	1,607	1,603	35415,769	35229,631	147,181	12,757	510,815	15,175	14,864	4,977	2017-09-13 16:16
268,167	55,513	1,607	1,604	35520,833	35130,723	140,065	12,921	510,758	14,913	14,674	4,945	2017-09-13 16:16
268,333	55,512	1,605	1,603	35524,325	35154,227	121,668	12,791	510,758	14,173	15,045	5,007	2017-09-13 16:16
268,500	55,521	1,607	1,603	35521,878	35182,746	135,642	12,650	510,618	15,056	14,809	4,968	2017-09-13 16:16
268,667	55,514	1,614	1,603	35543,160	35333,142	124,208	12,648	510,524	14,539	14,617	4,936	2017-09-13 16:17
268,833	55,508	1,606	1,603	35532,538	36064,023	143,432	12,905	510,524	14,428	15,029	5,005	2017-09-13 16:17
269,000	55,496	1,610	1,602	35502,297	35292,483	151,198	12,917	510,524	14,818	14,839	4,973	2017-09-13 16:17
269,167	55,488	1,607	1,604	35501,867	35290,246	140,632	12,951	510,430	14,861	14,787	4,964	2017-09-13 16:17
269,333	55,478	1,610	1,603	35448,275	35275,988	152,219	12,882	510,430	15,106	14,944	4,991	2017-09-13 16:17
269,500	55,477	1,610	1,606	35622,173	35640,861	144,867	13,050	510,430	14,482	14,950	4,992	2017-09-13 16:17
269,667	55,479	1,607	1,604	35627,694	35690,642	113,427	13,338	510,524	14,638	14,810	4,968	2017-09-13 16:18
269,833	55,484	1,608	1,604	35679,465	35699,839	108,809	12,969	510,430	14,655	15,074	5,012	2017-09-13 16:18
270,000	55,477	1,609	1,606	35735,597	35593,238	137,321	12,238	510,430	14,808	14,992	4,999	2017-09-13 16:18
270,167	55,471	1,608	1,606	35648,105	35438,638	148,210	11,990	510,430	15,048	14,798	4,966	2017-09-13 16:18
270,333	55,463	1,608	1,603	35417,391	35301,578	159,540	12,216	510,337	14,631	14,541	4,923	2017-09-13 16:18
270,500	55,467	1,606	1,603	35228,550	35277,229	154,804	12,440	510,523	14,571	14,832	4,972	2017-09-13 16:18
270,667	55,461	1,608	1,603	35478,136	36013,940	142,143	12,670	510,337	14,893	15,082	5,014	2017-09-13 16:19

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
270,834	0,221	0,710	0,522	0,378	0,376	140,865	19,828	12,696	24,048	23,725	21,506	20,866	21,719	20,453	81,405	62,256	74,777
271,000	0,218	0,696	0,522	0,360	0,380	140,857	19,816	17,555	24,051	23,738	21,525	20,866	21,716	20,457	81,223	62,259	74,747
271,167	0,220	0,710	0,521	0,372	0,384	140,875	19,833	22,538	24,022	23,717	21,525	20,854	21,722	20,452	81,450	62,243	74,682
271,334	0,219	0,708	0,521	0,367	0,367	140,796	19,781	18,389	24,030	23,722	21,525	20,862	21,703	20,455	81,366	62,230	74,628
271,500	0,229	0,690	0,521	0,370	0,373	140,762	19,798	12,517	24,036	23,719	21,515	20,883	21,713	20,452	81,031	62,200	74,578
271,667	0,228	0,691	0,521	0,364	0,371	140,760	19,793	18,238	24,045	23,735	21,512	20,858	21,727	20,453	81,351	62,180	74,484
271,834	0,228	0,711	0,520	0,369	0,371	140,731	19,800	27,987	24,010	23,748	21,509	20,863	21,714	20,452	81,412	62,134	74,480
272,000	0,221	0,718	0,521	0,365	0,381	140,793	19,807	29,598	24,043	23,724	21,522	20,870	21,716	20,451	81,608	62,169	74,595
272,167	0,231	0,705	0,521	0,383	0,379	140,952	19,819	20,956	24,047	23,734	21,504	20,880	21,706	20,449	81,265	62,158	74,582
272,334	0,232	0,738	0,520	0,358	0,371	140,951	19,787	16,986	24,028	23,734	21,507	20,856	21,706	20,451	81,265	62,188	74,623
272,500	0,235	0,751	0,520	0,365	0,371	141,000	19,817	16,715	24,014	23,739	21,538	20,864	21,719	20,453	81,392	62,223	74,616
272,667	0,224	0,736	0,520	0,366	0,382	141,061	19,803	19,381	24,009	23,734	21,528	20,877	21,704	20,455	81,325	62,220	74,692
272,834	0,220	0,743	0,520	0,375	0,367	141,141	19,807	18,604	24,021	23,720	21,516	20,869	21,709	20,452	81,253	62,226	74,734
273,000	0,220	0,739	0,520	0,372	0,377	141,080	19,765	12,087	23,991	23,717	21,512	20,856	21,717	20,452	81,844	62,236	74,739
273,167	0,218	0,736	0,523	0,378	0,382	141,097	19,774	15,442	23,991	23,716	21,523	20,868	21,717	20,459	81,489	62,238	74,813
273,334	0,225	0,704	0,519	0,369	0,373	141,009	19,821	19,359	23,970	23,711	21,521	20,862	21,714	20,451	81,358	62,258	74,800
273,500	0,224	0,687	0,520	0,360	0,372	141,217	19,825	23,630	24,008	23,733	21,528	20,871	21,717	20,455	81,586	62,236	74,757
273,667	0,220	0,725	0,520	0,373	0,363	141,269	19,820	21,727	24,005	23,733	21,528	20,864	21,738	20,459	81,667	62,205	74,789
273,833	0,220	0,745	0,520	0,368	0,366	141,340	19,795	20,203	23,983	23,704	21,528	20,864	21,722	20,453	81,687	62,251	74,854
274,000	0,217	0,747	0,520	0,360	0,373	141,216	19,786	16,977	23,988	23,689	21,541	20,882	21,710	20,457	81,408	62,250	74,878
274,167	0,216	0,714	0,519	0,379	0,374	141,182	19,781	13,303	23,957	23,666	21,530	20,860	21,713	20,453	81,442	62,246	74,866
274,333	0,224	0,689	0,519	0,377	0,378	141,025	19,786	15,330	23,976	23,686	21,517	20,857	21,705	20,456	81,744	62,269	74,792
274,500	0,231	0,686	0,519	0,364	0,381	140,881	19,803	10,424	23,976	23,691	21,515	20,862	21,713	20,456	81,741	62,235	74,835
274,667	0,226	0,680	0,519	0,367	0,387	140,938	19,787	18,399	23,971	23,685	21,526	20,854	21,714	20,453	81,597	62,236	74,834
274,833	0,229	0,697	0,519	0,370	0,373	140,860	19,821	22,678	23,974	23,672	21,524	20,853	21,714	20,453	81,438	62,219	74,758
275,000	0,221	0,695	0,519	0,361	0,377	140,778	19,783	12,680	23,967	23,672	21,522	20,841	21,712	20,451	81,621	62,207	74,782
275,167	0,222	0,698	0,519	0,367	0,374	140,809	19,757	16,330	23,966	23,678	21,524	20,865	21,720	20,457	81,438	62,200	74,724
275,333	0,223	0,702	0,519	0,371	0,371	140,783	19,733	24,185	23,946	23,674	21,519	20,854	21,689	20,451	81,189	62,184	74,659
275,500	0,221	0,696	0,519	0,372	0,378	140,805	19,791	29,496	23,962	23,681	21,515	20,853	21,709	20,452	81,190	62,169	74,622
275,667	0,225	0,682	0,518	0,373	0,378	140,813	19,719	27,319	23,967	23,670	21,513	20,862	21,721	20,448	81,473	62,157	74,572
275,833	0,222	0,693	0,519	0,364	0,379	140,752	19,746	16,458	23,972	23,685	21,520	20,847	21,714	20,453	81,498	62,178	74,690
276,000	0,224	0,691	0,518	0,376	0,372	140,796	19,709	14,690	23,985	23,691	21,512	20,858	21,716	20,452	81,195	62,178	74,670
276,167	0,223	0,698	0,519	0,371	0,376	140,767	19,763	20,056	23,975	23,683	21,520	20,857	21,716	20,451	81,440	62,230	74,662
276,333	0,222	0,732	0,521	0,377	0,359	140,871	19,737	14,944	23,975	23,706	21,530	20,862	21,709	20,456	81,321	62,217	74,624
276,506	0,225	0,722	0,520	0,360	0,382	140,854	19,735	13,860	23,963	23,708	21,508	20,858	21,710	20,449	81,095	62,252	74,676
276,667	0,224	0,736	0,518	0,376	0,385	140,992	19,723	10,400	23,961	23,692	21,515	20,844	21,700	20,449	81,424	62,282	74,654
276,833	0,219	0,722	0,519	0,372	0,370	140,956	19,743	16,132	23,961	23,689	21,532	20,857	21,696	20,449	81,089	62,230	74,605

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
270,834	55,458	1,605	1,600	35419,999	35129,555	136,042	12,738	510,337	15,110	15,024	5,004	2017-09-13 16:19
271,000	55,474	1,607	1,602	35371,121	34820,858	120,191	12,410	510,337	14,385	15,193	5,032	2017-09-13 16:19
271,167	55,470	1,608	1,604	35318,970	35301,708	134,169	12,744	510,242	14,877	15,378	5,063	2017-09-13 16:19
271,334	55,453	1,607	1,603	35223,494	35142,399	129,131	12,694	510,243	14,665	14,666	4,944	2017-09-13 16:19
271,500	55,441	1,608	1,604	35180,730	34611,049	186,171	12,249	510,243	14,818	14,935	4,989	2017-09-13 16:19
271,667	55,442	1,608	1,604	35006,904	35233,508	180,234	12,266	510,149	14,561	14,831	4,972	2017-09-13 16:20
271,834	55,445	1,605	1,603	34959,528	35372,668	181,575	12,768	510,055	14,755	14,825	4,971	2017-09-13 16:20
272,000	55,445	1,605	1,600	35114,704	35653,272	140,264	12,951	510,149	14,619	15,220	5,037	2017-09-13 16:20
272,167	55,453	1,604	1,603	35134,887	35019,703	200,549	12,637	510,149	15,338	15,166	5,028	2017-09-13 16:20
272,334	55,446	1,611	1,604	35255,657	35117,138	206,115	13,443	510,056	14,306	14,829	4,971	2017-09-13 16:20
272,500	55,435	1,613	1,604	35260,284	35337,490	229,366	13,777	510,056	14,609	14,834	4,972	2017-09-13 16:20
272,667	55,426	1,610	1,604	35420,481	35164,653	155,707	13,399	510,055	14,647	15,294	5,049	2017-09-13 16:21
272,834	55,426	1,607	1,603	35462,026	34953,863	135,479	13,569	509,963	14,987	14,674	4,945	2017-09-13 16:21
273,000	55,421	1,610	1,604	35517,448	36072,701	131,674	13,481	510,055	14,869	15,081	5,014	2017-09-13 16:21
273,167	55,434	1,609	1,606	35660,797	35401,400	121,373	13,410	510,618	15,103	15,273	5,045	2017-09-13 16:21
273,334	55,418	1,607	1,603	35601,415	35082,398	162,257	12,605	509,821	14,753	14,918	4,986	2017-09-13 16:21
273,500	55,419	1,605	1,603	35518,817	35498,033	159,137	12,182	509,963	14,420	14,884	4,981	2017-09-13 16:21
273,667	55,406	1,607	1,601	35570,333	35734,891	135,663	13,131	510,056	14,911	14,501	4,916	2017-09-13 16:22
273,833	55,399	1,609	1,601	35701,910	35747,522	133,690	13,615	509,963	14,708	14,642	4,940	2017-09-13 16:22
274,000	55,391	1,605	1,603	35797,362	35151,006	113,944	13,680	509,963	14,405	14,907	4,985	2017-09-13 16:22
274,167	55,384	1,617	1,601	35751,526	35474,985	109,414	12,858	509,821	15,161	14,960	4,993	2017-09-13 16:22
274,333	55,382	1,607	1,601	35622,109	35765,567	157,233	12,216	509,821	15,066	15,135	5,023	2017-09-13 16:22
274,500	55,379	1,610	1,601	35704,358	35882,484	199,162	12,158	509,820	14,561	15,222	5,037	2017-09-13 16:22
274,667	55,380	1,608	1,601	35699,358	35585,185	171,707	11,996	509,821	14,697	15,477	5,079	2017-09-13 16:23
274,833	55,371	1,608	1,602	35584,050	35319,696	187,631	12,435	509,821	14,810	14,939	4,990	2017-09-13 16:23
275,000	55,378	1,605	1,604	35670,138	35619,268	140,701	12,384	509,727	14,434	15,085	5,014	2017-09-13 16:23
275,167	55,384	1,605	1,603	35526,474	35293,689	142,338	12,459	509,727	14,696	14,956	4,993	2017-09-13 16:23
275,333	55,395	1,607	1,605	35421,300	34898,342	150,301	12,558	509,727	14,831	14,841	4,973	2017-09-13 16:23
275,500	55,394	1,608	1,603	35311,153	34946,974	137,925	12,410	509,727	14,865	15,125	5,021	2017-09-13 16:23
275,667	55,392	1,604	1,602	35198,976	35416,175	161,593	12,047	509,681	14,930	15,134	5,022	2017-09-13 16:24
275,833	55,394	1,607	1,603	35443,444	35479,749	145,691	12,316	509,727	14,563	15,141	5,023	2017-09-13 16:24
276,000	55,455	1,610	1,606	35353,047	34995,861	155,329	12,271	509,605	15,036	14,875	4,979	2017-09-13 16:24
276,167	55,484	1,610	1,607	35326,759	35343,890	151,618	12,461	509,727	14,842	15,046	5,008	2017-09-13 16:24
276,333	55,497	1,608	1,604	35163,736	35096,868	145,614	13,297	510,236	15,096	14,367	4,893	2017-09-13 16:24
276,506	55,498	1,617	1,605	35279,760	34828,516	163,316	13,062	509,963	14,395	15,283	5,047	2017-09-13 16:24
276,667	55,502	1,608	1,603	35174,853	35181,699	158,306	13,408	509,637	15,053	15,415	5,069	2017-09-13 16:25
276,833	55,490	1,608	1,605	35146,870	34659,023	128,092	13,038	509,727	14,884	14,798	4,966	2017-09-13 16:25

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
277,000	0,220	0,722	0,518	0,365	0,370	141,041	19,789	21,516	23,966	23,683	21,516	20,853	21,716	20,451	81,216	62,219	74,574
277,167	0,220	0,722	0,517	0,358	0,384	141,073	19,761	17,778	23,970	23,686	21,530	20,852	21,706	20,452	81,617	62,228	74,642
277,334	0,226	0,739	0,517	0,367	0,375	141,187	19,761	10,600	23,944	23,691	21,509	20,848	21,702	20,451	81,743	62,256	74,700
277,500	0,228	0,739	0,517	0,365	0,377	141,145	19,768	10,921	23,941	23,678	21,502	20,844	21,709	20,452	81,502	62,267	74,811
277,667	0,228	0,721	0,517	0,377	0,383	141,143	19,786	7,039	23,925	23,674	21,520	20,856	21,710	20,448	81,460	62,314	74,820
277,834	0,222	0,704	0,517	0,378	0,366	141,075	19,779	15,041	23,954	23,664	21,505	20,832	21,714	20,445	81,477	62,322	74,805
278,000	0,227	0,700	0,517	0,359	0,369	141,017	19,732	20,577	23,955	23,656	21,515	20,846	21,706	20,445	81,502	62,304	74,815
278,167	0,222	0,707	0,517	0,364	0,377	141,009	19,670	9,574	23,954	23,673	21,525	20,853	21,722	20,451	81,660	62,301	74,832
278,334	0,220	0,689	0,517	0,375	0,375	141,036	19,713	14,385	23,969	23,678	21,530	20,844	21,709	20,456	81,821	62,301	74,801
278,500	0,219	0,704	0,516	0,369	0,364	141,049	19,713	23,267	23,987	23,683	21,517	20,846	21,702	20,449	81,741	62,347	74,911
278,667	0,223	0,719	0,516	0,372	0,387	141,034	19,684	11,976	23,997	23,686	21,505	20,842	21,698	20,444	81,794	62,332	74,821
278,834	0,227	0,736	0,516	0,371	0,383	141,032	19,681	16,982	24,026	23,687	21,503	20,850	21,702	20,443	81,451	62,321	74,893
279,000	0,228	0,736	0,516	0,364	0,372	141,089	19,706	23,250	24,015	23,707	21,522	20,849	21,717	20,448	81,470	62,345	74,820
279,167	0,223	0,731	0,515	0,373	0,361	141,096	19,726	14,148	24,011	23,688	21,518	20,848	21,705	20,447	81,689	62,329	74,766
279,334	0,223	0,741	0,515	0,363	0,366	141,188	19,762	10,884	24,015	23,697	21,504	20,836	21,714	20,443	81,848	62,324	74,866
279,500	0,230	0,737	0,515	0,364	0,382	141,260	19,740	12,523	24,010	23,699	21,526	20,853	21,705	20,444	81,726	62,390	74,981
279,667	0,227	0,731	0,515	0,370	0,370	141,370	19,753	17,805	23,980	23,708	21,530	20,845	21,708	20,444	81,623	62,363	74,950
279,834	0,224	0,741	0,515	0,368	0,372	141,326	19,757	15,609	23,962	23,683	21,507	20,844	21,711	20,445	81,598	62,364	74,881
280,000	0,222	0,721	0,515	0,371	0,372	141,214	19,735	15,607	23,981	23,682	21,517	20,841	21,700	20,443	81,759	62,348	74,826
280,167	0,223	0,699	0,515	0,365	0,368	141,131	19,735	25,473	23,983	23,683	21,518	20,844	21,704	20,443	81,670	62,344	74,897
280,333	0,219	0,692	0,515	0,367	0,378	141,023	19,743	23,595	23,971	23,691	21,542	20,854	21,718	20,449	81,916	62,368	74,932
280,500	0,226	0,673	0,515	0,363	0,379	140,956	19,734	22,980	23,979	23,707	21,529	20,835	21,704	20,441	81,489	62,373	74,970
280,667	0,228	0,659	0,514	0,369	0,389	140,937	19,738	26,496	23,993	23,707	21,521	20,842	21,698	20,443	81,369	62,391	74,908
280,833	0,225	0,678	0,514	0,374	0,388	140,943	19,720	17,607	24,024	23,729	21,522	20,838	21,705	20,439	81,934	62,344	74,873
281,000	0,221	0,713	0,519	0,368	0,369	140,922	19,717	13,277	24,003	23,710	21,513	20,849	21,709	20,439	81,466	62,363	74,923
281,167	0,218	0,729	0,514	0,369	0,382	141,039	19,710	13,841	24,007	23,695	21,514	20,834	21,711	20,438	81,417	62,372	74,801
281,333	0,222	0,712	0,513	0,369	0,367	141,030	19,726	16,097	24,018	23,716	21,510	20,840	21,701	20,439	81,682	62,324	74,715
281,500	0,223	0,715	0,514	0,381	0,368	140,984	19,737	21,906	24,011	23,710	21,500	20,842	21,693	20,435	81,856	62,312	74,743
281,667	0,219	0,725	0,514	0,368	0,376	140,901	19,743	21,373	23,999	23,714	21,514	20,841	21,706	20,440	81,662	62,321	74,849
281,833	0,221	0,711	0,514	0,363	0,374	140,741	19,743	13,716	23,989	23,712	21,523	20,828	21,701	20,435	81,716	62,364	74,842
282,000	0,225	0,698	0,513	0,369	0,372	140,607	19,744	18,641	23,982	23,705	21,512	20,833	21,689	20,434	81,675	62,348	74,804
282,167	0,227	0,675	0,513	0,361	0,368	140,532	19,736	22,848	23,998	23,725	21,518	20,836	21,703	20,436	81,359	62,351	74,850
282,333	0,227	0,675	0,513	0,374	0,378	140,536	19,736	18,085	24,006	23,727	21,536	20,858	21,698	20,436	81,169	62,371	74,813
282,500	0,224	0,697	0,513	0,381	0,386	140,575	19,710	14,201	23,994	23,738	21,516	20,847	21,710	20,432	81,258	62,356	74,722
282,667	0,221	0,705	0,513	0,374	0,387	140,515	19,697	9,667	23,981	23,713	21,535	20,838	21,696	20,434	81,590	62,340	74,705
282,833	0,217	0,713	0,513	0,374	0,370	140,529	19,698	15,015	23,986	23,725	21,519	20,842	21,698	20,434	81,366	62,282	74,696
283,000	0,217	0,747	0,513	0,371	0,366	140,545	19,684	11,800	23,973	23,705	21,505	20,825	21,701	20,431	81,239	62,269	74,661

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
277,000	55,497	1,607	1,603	35040,832	34886,707	130,194	13,057	509,540	14,612	14,795	4,966	2017-09-13 16:25
277,167	55,504	1,611	1,603	35153,292	35690,628	131,018	13,061	509,446	14,307	15,365	5,061	2017-09-13 16:25
277,334	55,500	1,610	1,606	35328,187	35851,656	172,510	13,468	509,446	14,661	15,012	5,002	2017-09-13 16:25
277,500	55,493	1,608	1,600	35416,888	35351,052	184,681	13,467	509,446	14,601	15,071	5,012	2017-09-13 16:25
277,667	55,489	1,607	1,604	35540,045	35157,824	182,350	13,023	509,446	15,078	15,303	5,050	2017-09-13 16:26
277,834	55,501	1,609	1,604	35485,394	35231,121	146,994	12,597	509,353	15,112	14,620	4,936	2017-09-13 16:26
278,000	55,518	1,607	1,606	35502,510	35249,918	177,777	12,508	509,353	14,372	14,762	4,960	2017-09-13 16:26
278,167	55,536	1,607	1,603	35450,476	35550,352	142,560	12,677	509,353	14,554	15,064	5,011	2017-09-13 16:26
278,334	55,540	1,611	1,604	35396,203	35931,617	133,752	12,218	509,353	14,995	15,014	5,002	2017-09-13 16:26
278,500	55,540	1,609	1,603	35591,333	35654,203	126,855	12,595	509,260	14,772	14,562	4,926	2017-09-13 16:26
278,667	55,544	1,606	1,603	35405,182	35712,029	150,110	12,963	509,259	14,870	15,496	5,082	2017-09-13 16:27
278,834	55,545	1,608	1,604	35566,478	35144,666	177,402	13,408	509,260	14,851	15,330	5,055	2017-09-13 16:27
279,000	55,549	1,608	1,604	35428,281	35148,800	179,904	13,408	509,259	14,579	14,896	4,983	2017-09-13 16:27
279,167	55,540	1,607	1,603	35314,905	35545,238	154,081	13,275	509,115	14,932	14,429	4,904	2017-09-13 16:27
279,334	55,532	1,614	1,604	35526,233	36018,611	151,979	13,527	509,115	14,536	14,656	4,942	2017-09-13 16:27
279,500	55,534	1,611	1,602	35699,600	35605,422	198,332	13,413	509,115	14,563	15,281	5,047	2017-09-13 16:27
279,667	55,556	1,606	1,603	35618,922	35349,001	178,177	13,272	509,115	14,788	14,805	4,967	2017-09-13 16:28
279,834	55,561	1,607	1,605	35524,791	35320,257	159,766	13,531	509,115	14,718	14,880	4,980	2017-09-13 16:28
280,000	55,556	1,605	1,607	35482,063	35614,903	145,777	13,031	509,021	14,824	14,869	4,978	2017-09-13 16:28
280,167	55,559	1,606	1,601	35484,905	35477,608	150,520	12,478	509,021	14,585	14,729	4,955	2017-09-13 16:28
280,333	55,563	1,605	1,603	35577,759	35864,858	124,312	12,302	509,114	14,689	15,107	5,018	2017-09-13 16:28
280,500	55,557	1,608	1,601	35620,066	35127,749	168,146	11,835	509,021	14,518	15,149	5,025	2017-09-13 16:28
280,667	55,565	1,607	1,602	35498,717	34848,234	180,915	11,478	508,927	14,776	15,564	5,093	2017-09-13 16:29
280,833	55,576	1,605	1,603	35438,690	35935,391	166,742	11,955	508,927	14,974	15,533	5,088	2017-09-13 16:29
281,000	55,571	1,605	1,603	35546,101	35042,257	137,977	12,837	509,902	14,715	14,755	4,959	2017-09-13 16:29
281,167	55,567	1,608	1,604	35361,211	35003,341	120,970	13,218	508,834	14,750	15,298	5,049	2017-09-13 16:29
281,333	55,567	1,608	1,606	35230,229	35578,236	142,553	12,791	508,739	14,762	14,663	4,943	2017-09-13 16:29
281,500	55,559	1,607	1,603	35246,206	35888,357	152,212	12,876	508,857	15,248	14,738	4,956	2017-09-13 16:29
281,667	55,561	1,605	1,602	35398,326	35470,542	125,789	13,131	508,927	14,705	15,056	5,009	2017-09-13 16:30
281,833	55,579	1,605	1,599	35300,121	35496,077	140,878	12,783	508,834	14,528	14,950	4,992	2017-09-13 16:30
282,000	55,587	1,607	1,601	35248,498	35505,384	161,211	12,456	508,739	14,778	14,896	4,983	2017-09-13 16:30
282,167	55,581	1,605	1,602	35361,446	34868,680	176,738	11,863	508,739	14,444	14,730	4,955	2017-09-13 16:30
282,333	55,585	1,605	1,600	35260,623	34482,900	175,939	11,883	508,740	14,953	15,138	5,023	2017-09-13 16:30
282,500	55,573	1,613	1,601	35138,466	34851,658	159,043	12,435	508,739	15,259	15,430	5,071	2017-09-13 16:30
282,667	55,504	1,611	1,601	35235,447	35433,428	139,499	12,618	508,739	14,973	15,465	5,077	2017-09-13 16:31
282,833	55,473	1,610	1,601	35271,695	35120,338	116,185	12,824	508,646	14,946	14,789	4,965	2017-09-13 16:31
283,000	55,459	1,609	1,600	35209,015	34886,549	117,176	13,680	508,646	14,827	14,641	4,940	2017-09-13 16:31

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
283,167	0,216	0,741	0,513	0,370	0,385	140,575	19,693	14,813	23,956	23,705	21,521	20,841	21,693	20,436	81,593	62,235	74,658
283,333	0,217	0,734	0,512	0,356	0,385	140,693	19,715	21,839	23,963	23,705	21,514	20,833	21,699	20,431	81,199	62,216	74,705
283,500	0,220	0,723	0,512	0,367	0,372	140,735	19,732	13,491	23,952	23,678	21,517	20,845	21,697	20,434	81,575	62,243	74,680
283,667	0,219	0,724	0,512	0,358	0,375	140,703	19,702	7,676	23,969	23,683	21,531	20,849	21,702	20,432	81,547	62,234	74,666
283,833	0,221	0,720	0,512	0,365	0,376	140,718	19,698	17,501	23,963	23,689	21,514	20,838	21,699	20,431	81,775	62,215	74,672
284,000	0,220	0,730	0,512	0,365	0,375	140,693	19,694	24,671	23,972	23,701	21,509	20,830	21,685	20,434	81,532	62,238	74,774
284,167	0,219	0,709	0,512	0,368	0,370	140,689	19,724	22,881	23,968	23,680	21,512	20,847	21,692	20,430	81,289	62,267	74,817
284,334	0,224	0,698	0,512	0,372	0,367	140,511	19,709	29,647	23,976	23,666	21,519	20,826	21,677	20,430	81,313	62,269	74,774
284,500	0,233	0,659	0,512	0,372	0,371	140,413	19,702	30,001	23,976	23,680	21,509	20,842	21,702	20,430	81,596	62,250	74,746
284,667	0,233	0,651	0,511	0,364	0,376	140,364	19,720	27,426	23,973	23,682	21,519	20,819	21,699	20,427	80,945	62,213	74,661
284,834	0,228	0,664	0,513	0,375	0,375	140,300	19,712	16,444	23,997	23,693	21,504	20,815	21,681	20,427	81,180	62,146	74,543
285,000	0,222	0,682	0,511	0,366	0,374	140,340	19,709	11,325	23,977	23,705	21,502	20,825	21,702	20,427	80,969	62,131	74,531
285,167	0,220	0,709	0,511	0,371	0,382	140,270	19,664	16,842	23,964	23,695	21,505	20,837	21,690	20,426	81,398	62,114	74,455
285,334	0,224	0,718	0,511	0,370	0,355	140,362	19,668	19,852	23,930	23,700	21,517	20,833	21,686	20,424	81,320	62,079	74,536
285,500	0,235	0,725	0,511	0,367	0,363	140,246	19,659	15,827	23,929	23,692	21,519	20,816	21,693	20,424	81,321	62,098	74,570
285,667	0,226	0,694	0,511	0,368	0,372	140,203	19,667	16,122	23,946	23,689	21,493	20,825	21,681	20,424	81,493	62,107	74,604
285,834	0,224	0,702	0,511	0,369	0,389	140,218	19,660	19,050	23,941	23,655	21,511	20,826	21,681	20,424	81,158	62,168	74,609
286,000	0,221	0,706	0,511	0,369	0,380	140,301	19,639	22,007	23,946	23,678	21,502	20,828	21,686	20,426	81,531	62,134	74,523
286,167	0,220	0,703	0,511	0,367	0,381	140,220	19,616	22,728	23,920	23,676	21,515	20,830	21,681	20,424	81,177	62,173	74,580
286,334	0,226	0,709	0,511	0,372	0,382	140,154	19,626	18,410	23,938	23,672	21,523	20,837	21,694	20,424	81,408	62,200	74,543
286,500	0,219	0,711	0,510	0,371	0,376	140,110	19,646	12,031	23,926	23,674	21,513	20,828	21,691	20,424	81,181	62,165	74,524
286,667	0,220	0,719	0,511	0,368	0,373	140,194	19,642	13,383	23,937	23,662	21,515	20,820	21,697	20,423	81,001	62,172	74,528
286,834	0,220	0,726	0,510	0,360	0,372	140,314	19,643	18,586	23,931	23,655	21,496	20,824	21,690	20,422	81,517	62,176	74,565
287,000	0,216	0,725	0,510	0,362	0,374	140,379	19,641	11,646	23,942	23,674	21,506	20,820	21,693	20,424	81,211	62,191	74,607
287,167	0,218	0,736	0,510	0,360	0,365	140,477	19,626	16,780	23,915	23,669	21,528	20,841	21,689	20,427	81,535	62,191	74,673
287,333	0,219	0,733	0,510	0,368	0,371	140,455	19,636	26,006	23,908	23,645	21,509	20,822	21,674	20,419	81,460	62,216	74,685
287,500	0,220	0,721	0,510	0,364	0,371	140,419	19,673	27,940	23,911	23,653	21,519	20,821	21,694	20,420	81,240	62,176	74,592
287,667	0,223	0,696	0,510	0,375	0,377	140,423	19,669	26,837	23,950	23,648	21,506	20,833	21,690	20,419	81,419	62,174	74,649
287,833	0,229	0,674	0,509	0,355	0,376	140,359	19,699	25,043	23,926	23,668	21,514	20,815	21,699	20,420	81,455	62,209	74,676
288,000	0,228	0,680	0,510	0,372	0,366	140,359	19,687	25,839	23,934	23,664	21,518	20,826	21,680	20,418	81,161	62,217	74,754
288,167	0,226	0,692	0,509	0,352	0,368	140,411	19,686	23,164	23,917	23,667	21,505	20,816	21,684	20,419	81,328	62,246	74,676
288,333	0,230	0,710	0,509	0,365	0,366	140,488	19,689	18,391	23,960	23,671	21,514	20,825	21,691	20,422	81,416	62,246	74,634
288,500	0,227	0,719	0,509	0,369	0,372	140,475	19,667	18,725	23,942	23,666	21,502	20,814	21,690	20,418	81,335	62,242	74,692
288,667	0,223	0,721	0,509	0,366	0,385	140,504	19,659	22,062	23,943	23,661	21,522	20,826	21,695	20,418	81,393	62,235	74,650
288,833	0,221	0,720	0,509	0,361	0,368	140,584	19,646	19,010	23,947	23,661	21,510	20,831	21,678	20,416	81,408	62,208	74,601
289,000	0,224	0,710	0,509	0,381	0,384	140,543	19,646	12,275	23,957	23,679	21,518	20,816	21,699	20,418	81,170	62,193	74,576
289,167	0,220	0,712	0,509	0,370	0,359	140,491	19,645	13,213	23,946	23,675	21,509	20,826	21,685	20,412	81,212	62,228	74,669

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
283,167	55,454	1,607	1,601	35238,885	35548,856	108,823	13,525	508,646	14,787	15,404	5,067	2017-09-13 16:31
283,333	55,446	1,608	1,600	35312,239	34891,447	115,939	13,353	508,552	14,253	15,413	5,068	2017-09-13 16:31
283,500	55,438	1,605	1,601	35309,746	35463,537	134,805	13,068	508,552	14,677	14,875	4,979	2017-09-13 16:31
283,667	55,438	1,605	1,602	35289,082	35427,528	128,301	13,112	508,552	14,324	14,981	4,997	2017-09-13 16:32
283,833	55,442	1,607	1,598	35221,556	35922,435	140,034	13,000	508,552	14,588	15,039	5,006	2017-09-13 16:32
284,000	55,443	1,605	1,600	35445,743	35394,093	132,706	13,252	508,552	14,586	15,005	5,001	2017-09-13 16:32
284,167	55,450	1,605	1,600	35511,168	34899,330	129,340	12,725	508,552	14,706	14,786	4,964	2017-09-13 16:32
284,334	55,433	1,608	1,601	35485,100	34993,856	157,789	12,457	508,552	14,897	14,671	4,945	2017-09-13 16:32
284,500	55,418	1,602	1,600	35448,399	35426,499	214,033	11,472	508,459	14,886	14,827	4,971	2017-09-13 16:32
284,667	55,392	1,606	1,603	35387,071	34370,340	212,365	11,273	508,317	14,546	15,023	5,004	2017-09-13 16:33
284,834	55,374	1,605	1,603	35206,399	34907,388	180,706	11,604	508,646	15,004	14,980	4,997	2017-09-13 16:33
285,000	55,374	1,606	1,603	35184,689	34565,640	144,638	12,046	508,317	14,622	14,946	4,991	2017-09-13 16:33
285,167	55,351	1,603	1,601	35058,767	35330,121	129,951	12,713	508,223	14,831	15,292	5,048	2017-09-13 16:33
285,334	55,347	1,603	1,603	35251,899	35251,902	156,555	12,959	508,317	14,794	14,182	4,862	2017-09-13 16:33
285,500	55,344	1,604	1,600	35248,886	35235,016	226,833	13,129	508,317	14,695	14,504	4,917	2017-09-13 16:33
285,667	55,414	1,604	1,602	35236,100	35532,378	169,807	12,359	508,317	14,725	14,882	4,980	2017-09-13 16:34
285,834	55,451	1,607	1,600	35134,517	34874,604	155,763	12,559	508,223	14,756	15,550	5,091	2017-09-13 16:34
286,000	55,453	1,605	1,602	35017,912	35583,373	139,186	12,660	508,223	14,760	15,216	5,036	2017-09-13 16:34
286,167	55,449	1,614	1,602	35112,444	35061,213	134,833	12,570	508,223	14,677	15,233	5,039	2017-09-13 16:34
286,334	55,445	1,607	1,600	35010,792	35266,677	167,871	12,730	508,223	14,875	15,273	5,045	2017-09-13 16:34
286,500	55,435	1,604	1,600	35001,679	34856,802	124,305	12,769	508,130	14,833	15,036	5,006	2017-09-13 16:34
286,667	55,430	1,605	1,603	35081,804	34545,949	134,155	12,975	508,223	14,706	14,923	4,987	2017-09-13 16:35
286,834	55,422	1,608	1,603	35158,851	35549,422	132,901	13,143	508,129	14,405	14,894	4,982	2017-09-13 16:35
287,000	55,413	1,607	1,600	35193,718	34922,904	107,523	13,133	508,129	14,461	14,973	4,995	2017-09-13 16:35
287,167	55,413	1,605	1,602	35353,551	35492,488	120,539	13,399	508,036	14,390	14,615	4,935	2017-09-13 16:35
287,333	55,413	1,606	1,602	35389,028	35329,538	123,676	13,328	508,036	14,713	14,858	4,976	2017-09-13 16:35
287,500	55,426	1,604	1,600	35142,441	34942,767	135,743	13,024	508,036	14,556	14,851	4,975	2017-09-13 16:35
287,667	55,438	1,605	1,601	35234,626	35300,044	154,311	12,410	508,036	15,014	15,077	5,013	2017-09-13 16:36
287,833	55,454	1,607	1,602	35291,961	35348,338	188,055	11,843	507,849	14,213	15,052	5,009	2017-09-13 16:36
288,000	55,459	1,607	1,604	35470,064	34784,692	180,922	12,010	508,129	14,898	14,657	4,943	2017-09-13 16:36
288,167	55,462	1,613	1,603	35286,809	35175,098	173,059	12,297	507,942	14,099	14,735	4,956	2017-09-13 16:36
288,333	55,461	1,611	1,603	35218,507	35297,455	192,679	12,759	507,942	14,593	14,622	4,937	2017-09-13 16:36
288,500	55,462	1,606	1,601	35286,100	35041,880	179,480	12,974	507,942	14,752	14,864	4,977	2017-09-13 16:36
288,667	55,459	1,606	1,598	35150,452	35170,469	149,248	13,024	507,848	14,657	15,404	5,067	2017-09-13 16:37
288,833	55,446	1,607	1,599	35108,824	35259,275	138,974	12,992	507,848	14,459	14,732	4,955	2017-09-13 16:37
289,000	55,445	1,606	1,600	35084,136	34835,426	159,064	12,743	507,848	15,237	15,362	5,060	2017-09-13 16:37
289,167	55,443	1,607	1,604	35346,541	34863,619	134,583	12,794	507,849	14,785	14,352	4,891	2017-09-13 16:37

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
289,333	0,219	0,716	0,509	0,368	0,383	140,529	19,634	9,576	23,951	23,667	21,511	20,816	21,687	20,412	81,332	62,215	74,620
289,500	0,224	0,724	0,508	0,369	0,380	140,463	19,614	9,645	23,955	23,676	21,511	20,833	21,682	20,415	81,444	62,219	74,670
289,667	0,220	0,727	0,508	0,369	0,380	140,525	19,638	12,107	23,943	23,679	21,505	20,831	21,694	20,414	81,506	62,211	74,659
289,833	0,221	0,723	0,509	0,362	0,371	140,576	19,631	13,589	23,948	23,664	21,501	20,841	21,698	20,415	81,292	62,239	74,700
290,000	0,221	0,714	0,508	0,364	0,380	140,567	19,589	15,279	23,936	23,672	21,519	20,822	21,689	20,414	81,429	62,232	74,684
290,167	0,221	0,717	0,508	0,367	0,382	140,663	19,542	11,874	23,930	23,670	21,524	20,825	21,687	20,414	81,587	62,322	74,811
290,333	0,220	0,722	0,508	0,375	0,368	140,594	19,537	9,188	23,943	23,681	21,528	20,826	21,693	20,415	81,467	62,289	74,719
290,500	0,217	0,738	0,508	0,368	0,375	140,547	19,580	15,434	23,937	23,676	21,535	20,833	21,691	20,419	81,454	62,243	74,715
290,667	0,218	0,743	0,507	0,365	0,376	140,587	19,587	16,196	23,944	23,689	21,516	20,808	21,694	20,412	81,560	62,293	74,789
290,833	0,220	0,746	0,508	0,358	0,367	140,629	19,635	17,603	23,921	23,686	21,511	20,826	21,690	20,414	81,500	62,289	74,735
291,000	0,216	0,737	0,507	0,365	0,383	140,758	19,614	24,709	23,925	23,684	21,503	20,820	21,703	20,416	81,625	62,277	74,812
291,167	0,217	0,721	0,507	0,362	0,376	140,704	19,647	22,446	23,918	23,683	21,498	20,811	21,697	20,418	81,483	62,306	74,849
291,334	0,223	0,731	0,507	0,364	0,372	140,784	19,634	19,538	23,930	23,683	21,514	20,807	21,687	20,414	81,967	62,314	74,873
291,500	0,219	0,732	0,507	0,364	0,369	140,745	19,638	24,120	23,899	23,663	21,509	20,817	21,692	20,410	81,936	62,357	74,963
291,667	0,218	0,719	0,506	0,358	0,368	140,676	19,626	28,055	23,905	23,647	21,503	20,816	21,691	20,411	81,903	62,351	74,988
291,834	0,220	0,698	0,506	0,373	0,378	140,785	19,627	27,806	23,918	23,656	21,519	20,825	21,690	20,407	81,701	62,377	74,977
292,000	0,223	0,689	0,506	0,365	0,380	140,785	19,621	15,343	23,914	23,637	21,518	20,819	21,686	20,406	81,794	62,386	74,965
292,167	0,222	0,675	0,506	0,358	0,374	140,638	19,653	22,894	23,944	23,651	21,522	20,814	21,678	20,407	81,690	62,386	74,946
292,334	0,221	0,681	0,506	0,369	0,378	140,582	19,652	20,309	23,952	23,663	21,515	20,834	21,699	20,415	81,775	62,384	74,919
292,500	0,221	0,683	0,506	0,367	0,374	140,445	19,627	17,257	23,925	23,656	21,522	20,810	21,678	20,408	81,427	62,348	74,920
292,667	0,221	0,680	0,506	0,364	0,378	140,473	19,640	26,917	23,931	23,647	21,509	20,808	21,700	20,410	81,682	62,376	74,884
292,834	0,223	0,678	0,506	0,369	0,380	140,481	19,618	25,453	23,934	23,660	21,520	20,814	21,695	20,410	81,277	62,379	74,862
293,000	0,223	0,685	0,506	0,363	0,369	140,429	19,655	24,199	23,930	23,673	21,511	20,816	21,685	20,408	81,467	62,372	74,722
293,167	0,224	0,689	0,506	0,368	0,376	140,319	19,593	22,795	23,929	23,669	21,510	20,810	21,691	20,410	81,142	62,340	74,700
293,334	0,222	0,700	0,506	0,360	0,373	140,305	19,630	26,422	23,911	23,660	21,510	20,808	21,683	20,400	81,442	62,329	74,646
293,500	0,225	0,715	0,506	0,368	0,380	140,290	19,630	29,093	23,911	23,672	21,514	20,809	21,686	20,402	81,498	62,325	74,627
293,667	0,224	0,711	0,506	0,366	0,378	140,324	19,626	30,292	23,923	23,677	21,506	20,805	21,681	20,403	81,253	62,328	74,680
293,833	0,221	0,710	0,506	0,363	0,373	140,302	19,623	30,072	23,923	23,663	21,514	20,815	21,683	20,403	81,343	62,341	74,665
294,000	0,219	0,702	0,505	0,367	0,382	140,324	19,606	20,445	23,905	23,676	21,517	20,801	21,683	20,400	81,273	62,329	74,670
294,167	0,220	0,705	0,505	0,365	0,373	140,470	19,550	19,832	23,913	23,672	21,510	20,804	21,694	20,400	81,540	62,364	74,704
294,333	0,219	0,726	0,505	0,370	0,379	140,465	19,562	22,657	23,917	23,667	21,508	20,822	21,692	20,402	81,186	62,369	74,757
294,500	0,221	0,722	0,505	0,364	0,381	140,578	19,545	14,893	23,911	23,669	21,507	20,793	21,700	20,402	81,509	62,353	74,657
294,667	0,221	0,722	0,505	0,355	0,359	140,520	19,547	15,376	23,892	23,656	21,514	20,804	21,674	20,399	81,423	62,357	74,803
294,833	0,221	0,705	0,505	0,375	0,375	140,547	19,537	19,682	23,913	23,654	21,507	20,815	21,686	20,400	81,546	62,380	74,749
295,000	0,218	0,707	0,504	0,379	0,374	140,521	19,554	23,598	23,905	23,647	21,515	20,809	21,681	20,400	81,521	62,384	74,757
295,167	0,219	0,709	0,504	0,357	0,378	140,511	19,564	19,617	23,928	23,665	21,518	20,813	21,675	20,402	81,177	62,398	74,743
295,333	0,218	0,716	0,505	0,362	0,378	140,491	19,534	21,146	23,921	23,665	21,503	20,802	21,679	20,400	81,486	62,357	74,639

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
289,333	55,459	1,608	1,601	35158,841	35137,300	124,708	12,904	507,848	14,721	15,302	5,050	2017-09-13 16:37
289,500	55,467	1,608	1,601	35233,697	35334,007	155,958	13,102	507,755	14,774	15,187	5,031	2017-09-13 16:37
289,667	55,479	1,605	1,603	35231,030	35396,247	130,702	13,183	507,755	14,754	15,192	5,032	2017-09-13 16:38
289,833	55,485	1,605	1,601	35261,607	34951,351	141,500	13,082	507,848	14,482	14,832	4,972	2017-09-13 16:38
290,000	55,484	1,608	1,603	35262,021	35280,341	140,479	12,842	507,755	14,579	15,188	5,031	2017-09-13 16:38
290,167	55,481	1,613	1,599	35407,843	35509,187	136,271	12,935	507,755	14,690	15,268	5,044	2017-09-13 16:38
290,333	55,482	1,608	1,603	35331,865	35249,161	132,706	13,041	507,755	15,008	14,707	4,951	2017-09-13 16:38
290,500	55,496	1,606	1,602	35278,163	35270,795	116,133	13,452	507,755	14,735	15,000	5,000	2017-09-13 16:38
290,667	55,508	1,610	1,602	35402,766	35451,227	121,435	13,581	507,615	14,596	15,025	5,004	2017-09-13 16:39
290,833	55,506	1,608	1,603	35315,615	35298,036	131,195	13,640	507,755	14,316	14,680	4,946	2017-09-13 16:39
291,000	55,498	1,607	1,603	35476,058	35529,669	106,700	13,432	507,522	14,618	15,327	5,054	2017-09-13 16:39
291,167	55,500	1,607	1,602	35520,018	35222,292	116,957	13,015	507,521	14,476	15,056	5,009	2017-09-13 16:39
291,334	55,514	1,608	1,604	35575,894	36108,638	152,191	13,286	507,521	14,556	14,883	4,981	2017-09-13 16:39
291,500	55,532	1,607	1,601	35654,743	35945,995	124,104	13,311	507,522	14,553	14,752	4,958	2017-09-13 16:39
291,667	55,542	1,605	1,602	35685,937	35854,302	121,161	12,968	507,427	14,340	14,736	4,956	2017-09-13 16:40
291,834	55,545	1,605	1,601	35653,360	35447,939	131,216	12,444	507,427	14,911	15,131	5,022	2017-09-13 16:40
292,000	55,548	1,606	1,603	35662,468	35612,363	150,152	12,220	507,427	14,597	15,208	5,035	2017-09-13 16:40
292,167	55,548	1,609	1,603	35627,079	35504,944	143,790	11,879	507,427	14,337	14,950	4,992	2017-09-13 16:40
292,334	55,554	1,605	1,604	35592,148	35576,052	138,141	12,024	507,427	14,751	15,132	5,022	2017-09-13 16:40
292,500	55,556	1,605	1,602	35545,471	34991,793	137,526	12,085	507,427	14,669	14,973	4,996	2017-09-13 16:40
292,667	55,554	1,607	1,604	35528,868	35450,998	138,981	12,001	507,335	14,573	15,122	5,020	2017-09-13 16:41
292,834	55,546	1,622	1,603	35476,164	35025,385	149,478	11,941	507,334	14,743	15,198	5,033	2017-09-13 16:41
293,000	55,567	1,613	1,604	35214,417	35193,361	153,765	12,126	507,334	14,538	14,780	4,963	2017-09-13 16:41
293,167	55,584	1,611	1,601	35078,186	34616,241	155,523	12,237	507,334	14,719	15,050	5,008	2017-09-13 16:41
293,334	55,597	1,609	1,601	34948,606	35153,984	147,383	12,512	507,334	14,397	14,940	4,990	2017-09-13 16:41
293,500	55,603	1,608	1,602	34919,773	35239,799	161,562	12,887	507,334	14,718	15,216	5,036	2017-09-13 16:41
293,667	55,616	1,610	1,602	35002,100	34812,244	158,772	12,786	507,334	14,633	15,112	5,019	2017-09-13 16:42
293,833	55,604	1,610	1,603	35010,183	34953,418	139,888	12,758	507,334	14,539	14,926	4,988	2017-09-13 16:42
294,000	55,607	1,609	1,601	34980,077	34843,044	129,145	12,538	507,147	14,686	15,265	5,044	2017-09-13 16:42
294,167	55,604	1,613	1,603	35076,010	35340,852	135,010	12,621	507,147	14,610	14,915	4,986	2017-09-13 16:42
294,333	55,612	1,610	1,603	35164,253	34613,748	125,827	13,159	507,147	14,795	15,161	5,027	2017-09-13 16:42
294,500	55,611	1,612	1,603	34983,523	35290,062	140,892	13,055	507,146	14,541	15,238	5,039	2017-09-13 16:42
294,667	55,611	1,609	1,600	35179,875	35050,621	139,975	13,050	507,146	14,183	14,349	4,890	2017-09-13 16:43
294,833	55,612	1,611	1,600	35084,477	35291,975	136,049	12,624	507,146	14,986	15,005	5,001	2017-09-13 16:43
295,000	55,624	1,610	1,600	35074,955	35201,071	117,818	12,678	507,053	15,159	14,943	4,991	2017-09-13 16:43
295,167	55,620	1,613	1,603	35123,166	34611,275	124,079	12,728	507,053	14,287	15,132	5,022	2017-09-13 16:43
295,333	55,633	1,608	1,603	34903,558	35154,064	120,296	12,896	507,240	14,482	15,108	5,018	2017-09-13 16:43

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
295,500	0,221	0,714	0,505	0,372	0,371	140,527	19,571	23,622	23,917	23,687	21,512	20,810	21,682	20,398	81,390	62,363	74,746
295,667	0,218	0,744	0,504	0,355	0,371	140,595	19,573	20,528	23,913	23,676	21,506	20,796	21,694	20,398	81,366	62,392	74,807
295,833	0,220	0,752	0,504	0,356	0,371	140,830	19,566	10,549	23,909	23,684	21,503	20,801	21,681	20,398	81,587	62,360	74,788
296,000	0,222	0,765	0,504	0,368	0,390	140,907	19,534	10,620	23,901	23,671	21,516	20,811	21,678	20,398	81,510	62,324	74,785
296,167	0,221	0,741	0,504	0,361	0,368	140,857	19,533	14,403	23,915	23,668	21,515	20,811	21,692	20,396	81,957	62,349	74,919
296,333	0,221	0,724	0,503	0,369	0,373	140,821	19,549	15,870	23,919	23,664	21,511	20,798	21,681	20,398	81,909	62,364	74,942
296,500	0,221	0,707	0,503	0,362	0,375	140,752	19,559	14,942	23,914	23,663	21,514	20,810	21,691	20,399	81,551	62,411	75,039
296,667	0,220	0,706	0,503	0,368	0,375	140,704	19,592	20,335	23,902	23,658	21,512	20,789	21,681	20,398	81,718	62,406	74,953
296,833	0,218	0,685	0,503	0,357	0,373	140,640	19,541	26,047	23,897	23,664	21,497	20,798	21,674	20,396	81,810	62,371	74,951
297,000	0,221	0,699	0,503	0,364	0,376	140,581	19,554	20,879	23,889	23,661	21,512	20,804	21,687	20,396	81,701	62,438	75,027
297,167	0,221	0,695	0,503	0,366	0,370	140,583	19,565	15,074	23,890	23,677	21,513	20,800	21,666	20,392	81,897	62,392	74,907
297,333	0,218	0,715	0,503	0,352	0,379	140,575	19,586	18,080	23,911	23,647	21,519	20,805	21,682	20,395	81,578	62,407	74,998
297,500	0,217	0,715	0,503	0,363	0,384	140,561	19,588	18,127	23,908	23,654	21,514	20,811	21,692	20,399	81,598	62,414	74,944
297,667	0,217	0,684	0,503	0,364	0,379	140,535	19,567	14,632	23,906	23,644	21,502	20,798	21,678	20,392	81,672	62,382	74,876
297,834	0,218	0,667	0,503	0,367	0,375	140,524	19,538	12,972	23,949	23,669	21,525	20,810	21,683	20,399	81,736	62,343	74,834
298,000	0,219	0,690	0,502	0,362	0,376	140,561	19,541	17,570	23,947	23,658	21,520	20,794	21,699	20,396	81,432	62,341	74,808
298,167	0,219	0,710	0,503	0,365	0,371	140,692	19,550	23,941	23,932	23,665	21,513	20,809	21,684	20,392	81,427	62,305	74,707
298,334	0,217	0,725	0,502	0,377	0,360	140,652	19,517	20,363	23,946	23,647	21,516	20,806	21,687	20,387	81,325	62,301	74,699
298,500	0,220	0,741	0,502	0,370	0,368	140,616	19,530	11,042	23,926	23,651	21,506	20,803	21,691	20,388	81,485	62,283	74,699
298,667	0,218	0,741	0,502	0,371	0,382	140,629	19,550	10,346	23,941	23,660	21,499	20,805	21,684	20,388	81,714	62,305	74,719
298,834	0,222	0,734	0,502	0,375	0,374	140,756	19,554	7,316	23,928	23,652	21,500	20,810	21,676	20,387	81,504	62,312	74,857
299,000	0,223	0,737	0,502	0,369	0,378	140,775	19,560	11,849	23,913	23,659	21,495	20,798	21,683	20,388	81,629	62,359	74,838
299,167	0,218	0,740	0,501	0,345	0,374	140,812	19,589	19,875	23,896	23,662	21,494	20,801	21,683	20,386	81,604	62,365	74,869
299,334	0,220	0,727	0,501	0,355	0,374	140,809	19,563	27,484	23,920	23,653	21,515	20,800	21,684	20,387	81,504	62,387	74,920
299,500	0,217	0,717	0,501	0,365	0,378	140,870	19,597	21,946	23,933	23,676	21,508	20,803	21,704	20,387	81,799	62,379	74,930
299,667	0,218	0,723	0,502	0,372	0,373	140,860	19,598	16,295	23,920	23,661	21,507	20,805	21,684	20,386	81,724	62,355	74,881
299,834	0,215	0,732	0,501	0,360	0,374	140,869	19,623	25,974	23,920	23,665	21,516	20,798	21,685	20,382	81,720	62,321	74,797
300,000	0,217	0,746	0,501	0,367	0,377	141,034	19,636	29,953	23,933	23,673	21,511	20,803	21,688	20,386	81,941	62,343	74,904
300,167	0,219	0,773	0,501	0,360	0,385	141,031	19,615	29,176	23,918	23,651	21,502	20,782	21,682	20,383	81,747	62,386	75,075
300,334	0,218	0,768	0,501	0,373	0,387	140,934	19,773	26,841	23,828	23,462	21,515	20,803	21,680	20,384	81,687	62,390	75,016
300,500	0,216	0,732	0,501	0,363	0,372	140,865	19,834	28,119	23,332	23,130	21,515	20,805	21,679	20,382	82,132	62,437	75,063
300,667	0,211	0,706	0,501	0,364	0,375	140,539	19,779	30,660	23,321	23,138	21,512	20,809	21,680	20,380	81,859	62,431	75,074
300,833	0,218	0,618	0,501	0,359	0,370	139,894	19,696	29,828	23,333	23,141	21,525	20,812	21,683	20,383	81,458	62,347	74,970
301,000	0,264	0,499	0,501	0,357	0,387	139,031	19,836	25,904	23,315	23,128	21,500	20,805	21,667	20,384	81,122	62,361	74,884
301,167	0,383	0,372	0,501	0,359	0,380	138,063	19,781	24,961	23,296	23,123	21,504	20,789	21,671	20,380	80,762	62,226	74,646
301,333	0,562	0,310	0,501	0,358	0,371	137,085	19,751	23,468	23,294	23,105	21,518	20,786	21,676	20,379	80,151	62,104	74,331
301,500	0,673	0,284	0,488	0,360	0,359	136,148	19,700	23,701	23,273	23,108	21,516	20,803	21,684	20,379	79,633	61,959	73,966

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
295,500	55,605	1,608	1,603	35154,639	34966,227	138,366	12,854	507,240	14,898	14,833	4,972	2017-09-13 16:43
295,667	55,529	1,611	1,600	35343,325	34934,170	117,808	13,591	507,053	14,203	14,845	4,974	2017-09-13 16:44
295,833	55,508	1,608	1,601	35378,062	35335,505	133,328	13,795	506,960	14,240	14,847	4,974	2017-09-13 16:44
296,000	55,514	1,610	1,600	35335,054	35297,070	143,404	14,130	506,960	14,726	15,610	5,101	2017-09-13 16:44
296,167	55,522	1,608	1,600	35558,041	36037,935	139,197	13,536	506,960	14,456	14,707	4,951	2017-09-13 16:44
296,333	55,522	1,609	1,600	35600,196	35947,114	139,179	13,097	506,818	14,765	14,931	4,989	2017-09-13 16:44
296,500	55,510	1,608	1,600	35807,329	35178,386	139,200	12,673	506,724	14,495	14,999	5,000	2017-09-13 16:44
296,667	55,505	1,610	1,600	35659,218	35522,993	130,146	12,652	506,818	14,729	14,983	4,997	2017-09-13 16:45
296,833	55,508	1,614	1,601	35671,408	35850,108	121,168	12,133	506,818	14,282	14,939	4,990	2017-09-13 16:45
297,000	55,520	1,618	1,602	35800,068	35613,169	137,745	12,479	506,724	14,549	15,042	5,007	2017-09-13 16:45
297,167	55,533	1,611	1,599	35497,750	35910,697	136,066	12,381	506,724	14,624	14,785	4,964	2017-09-13 16:45
297,333	55,525	1,610	1,601	35723,946	35267,975	120,890	12,873	506,724	14,067	15,141	5,024	2017-09-13 16:45
297,500	55,501	1,610	1,600	35647,551	35287,936	112,145	12,863	506,724	14,533	15,374	5,062	2017-09-13 16:45
297,667	55,489	1,610	1,600	35539,202	35486,054	115,105	12,099	506,724	14,543	15,141	5,023	2017-09-13 16:46
297,834	55,501	1,611	1,601	35463,497	35710,634	119,927	11,684	506,724	14,676	14,994	4,999	2017-09-13 16:46
298,000	55,498	1,613	1,601	35416,682	35186,142	129,763	12,251	506,631	14,496	15,022	5,004	2017-09-13 16:46
298,167	55,492	1,610	1,601	35260,239	35176,942	127,672	12,741	506,724	14,607	14,841	4,973	2017-09-13 16:46
298,334	55,485	1,611	1,603	35288,208	35019,264	114,851	13,123	506,631	15,076	14,386	4,897	2017-09-13 16:46
298,500	55,486	1,607	1,602	35261,564	35266,647	133,700	13,527	506,537	14,791	14,735	4,956	2017-09-13 16:46
298,667	55,496	1,608	1,600	35234,956	35675,531	121,988	13,520	506,537	14,838	15,293	5,049	2017-09-13 16:47
298,834	55,514	1,609	1,600	35462,948	35298,162	144,850	13,341	506,537	15,005	14,940	4,990	2017-09-13 16:47
299,000	55,512	1,610	1,602	35468,789	35452,436	153,494	13,425	506,537	14,741	15,107	5,018	2017-09-13 16:47
299,167	55,512	1,611	1,600	35486,057	35418,931	121,581	13,504	506,443	13,792	14,942	4,990	2017-09-13 16:47
299,334	55,505	1,614	1,600	35600,457	35265,441	129,965	13,167	506,443	14,183	14,943	4,991	2017-09-13 16:47
299,500	55,496	1,608	1,600	35633,034	35690,801	114,236	12,924	506,443	14,589	15,118	5,020	2017-09-13 16:47
299,667	55,500	1,605	1,599	35523,689	35531,086	120,751	13,063	506,537	14,885	14,926	4,988	2017-09-13 16:48
299,834	55,501	1,607	1,599	35348,726	35616,760	98,740	13,311	506,519	14,393	14,958	4,993	2017-09-13 16:48
300,000	55,500	1,611	1,603	35637,214	36075,749	116,957	13,655	506,443	14,675	15,066	5,011	2017-09-13 16:48
300,167	55,486	1,613	1,602	35959,073	35691,686	125,160	14,327	506,350	14,416	15,385	5,064	2017-09-13 16:48
300,334	55,479	1,616	1,601	35841,910	35629,623	118,270	14,195	506,350	14,912	15,483	5,080	2017-09-13 16:48
300,500	55,486	1,619	1,599	35861,914	36438,961	107,152	13,301	506,350	14,530	14,885	4,981	2017-09-13 16:48
300,667	55,482	1,612	1,599	35888,520	35791,176	76,921	12,661	506,350	14,564	15,001	5,000	2017-09-13 16:49
300,833	55,489	1,611	1,600	35717,007	35182,328	119,361	10,462	506,350	14,368	14,813	4,969	2017-09-13 16:49
301,000	55,500	1,621	1,599	35528,639	34754,030	407,526	7,479	506,350	14,296	15,477	5,079	2017-09-13 16:49
301,167	55,508	1,613	1,600	35086,410	34163,793	1147,776	4,297	506,350	14,359	15,192	5,032	2017-09-13 16:49
301,333	55,506	1,615	1,599	34488,623	33301,346	2267,366	2,750	506,350	14,304	14,839	4,973	2017-09-13 16:49
301,500	55,518	1,611	1,600	33823,324	32536,393	2957,296	2,092	504,066	14,398	14,373	4,894	2017-09-13 16:49

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
301,667	0,745	0,273	0,459	0,356	0,369	135,130	19,837	25,466	23,287	23,100	21,526	20,797	21,675	20,382	79,239	61,825	73,582
301,833	0,744	0,266	0,463	0,355	0,374	134,162	19,770	67,532	23,303	23,095	21,518	20,802	21,670	20,380	78,683	61,696	73,245
302,000	0,735	0,260	0,469	0,355	0,378	133,127	19,765	-28,565	23,261	22,969	21,524	20,818	21,662	20,379	78,092	61,567	72,769
302,167	0,736	0,254	0,481	0,347	0,380	132,112	19,680	25,715	23,298	11,533	21,516	20,825	21,663	20,379	77,385	61,419	72,408
302,333	0,697	0,249	0,482	0,348	0,383	131,106	19,608	107,668	62,211	87,448	21,509	20,818	21,674	20,380	76,725	61,288	71,910
302,500	0,662	0,244	0,489	0,348	0,386	130,064	19,589	11,548	-1,918	41,889	21,521	20,830	21,674	20,388	76,045	61,103	71,432
302,667	0,630	0,240	0,461	0,348	0,387	129,030	19,623	12,676	-15,877	35,786	21,520	20,823	21,670	20,388	75,435	60,952	70,902
302,833	0,561	0,237	0,461	0,338	0,378	128,004	19,651	20,123	-6,215	24,739	21,508	20,815	21,668	20,382	74,966	60,812	70,431
303,000	0,502	0,233	0,463	0,336	0,377	126,959	19,629	22,861	2,501	23,807	21,511	20,826	21,666	20,383	74,176	60,627	69,982
303,167	0,464	0,231	0,462	0,343	0,377	125,919	19,608	26,628	-12,065	37,516	21,522	20,832	21,664	20,379	73,664	60,483	69,515
303,333	0,435	0,229	0,465	0,332	0,365	124,899	19,630	20,399	-0,456	22,350	21,516	20,819	21,674	20,379	73,116	60,292	69,115
303,500	0,407	0,227	0,514	0,335	0,372	123,868	19,667	20,292	-3,020	24,974	21,515	20,827	21,672	20,386	72,458	60,207	68,650
303,667	0,379	0,225	0,461	0,334	0,374	122,812	19,647	18,450	-9,241	29,008	21,499	20,825	21,664	20,378	71,975	60,023	68,148
303,833	0,355	0,223	0,472	0,332	0,370	121,809	19,643	17,258	-10,732	24,001	21,508	20,828	21,666	20,375	71,474	59,870	67,814
304,000	0,341	0,221	0,466	0,324	0,378	120,766	19,615	22,150	-1,654	20,730	21,511	20,829	21,679	20,379	70,971	59,769	67,436
304,167	0,323	0,220	0,465	0,317	0,384	119,755	19,666	28,805	-1,048	28,034	21,504	20,843	21,675	20,388	70,407	59,569	67,044
304,333	0,310	0,218	0,463	0,323	0,369	118,755	19,680	28,366	-8,010	27,420	21,518	20,837	21,665	20,382	69,970	59,416	66,606
304,500	0,298	0,217	0,461	0,318	0,364	117,774	19,604	40,638	-1,857	21,268	21,505	20,811	21,651	20,376	69,622	59,253	66,292
304,667	0,286	0,216	0,449	0,311	0,374	116,798	19,642	27,872	-14,847	36,759	21,520	20,827	21,668	20,378	68,930	59,085	65,915
304,834	0,276	0,215	0,448	0,313	0,371	115,805	19,681	21,928	1,273	15,877	21,518	20,845	21,676	20,379	68,759	58,941	65,462
305,000	0,270	0,214	0,448	0,319	0,379	114,841	19,666	26,230	-5,042	30,194	21,512	20,827	21,667	20,372	68,207	58,766	65,162
305,167	0,265	0,213	0,448	0,305	0,367	113,878	19,676	21,064	1,737	16,594	21,513	20,842	21,657	20,374	67,829	58,618	64,771
305,334	0,258	0,213	0,448	0,313	0,365	112,928	19,660	24,413	-0,627	20,798	21,507	20,834	21,658	20,375	67,395	58,446	64,488
305,500	0,254	0,212	0,448	0,304	0,379	112,007	19,637	27,942	-1,723	27,286	21,499	20,821	21,667	20,374	67,036	58,318	64,196
305,667	0,252	0,211	0,450	0,297	0,380	111,071	19,677	22,228	-10,954	28,441	21,500	20,840	21,651	20,374	66,322	58,199	63,950
305,834	0,247	0,211	0,450	0,299	0,383	110,172	19,673	21,030	-0,922	18,350	21,508	20,828	21,659	20,374	66,381	58,017	63,524
306,000	0,243	0,210	0,450	0,300	0,382	109,243	19,660	21,096	-13,516	28,850	21,509	20,835	21,654	20,376	65,497	57,864	63,255
306,167	0,241	0,210	0,450	0,299	0,380	108,340	19,555	19,737	3,073	12,373	21,512	20,846	21,657	20,372	65,342	57,702	62,836
306,334	0,238	0,209	0,450	0,295	0,379	107,459	19,577	27,938	-3,294	23,532	21,505	20,831	21,662	20,375	65,112	57,534	62,509
306,500	0,235	0,209	0,450	0,299	0,367	106,594	19,630	20,462	-7,036	23,975	21,497	20,829	21,650	20,374	64,728	57,434	62,380
306,667	0,233	0,209	0,450	0,290	0,380	105,724	19,606	19,576	-11,964	23,552	21,514	20,852	21,659	20,380	64,496	57,331	62,119
306,834	0,231	0,208	0,450	0,288	0,373	104,867	19,602	20,452	2,626	13,751	21,497	20,850	21,647	20,372	63,895	57,164	61,742
307,000	0,228	0,208	0,449	0,287	0,365	104,018	19,579	24,874	-11,852	27,773	21,506	20,840	21,646	20,371	63,937	56,998	61,420
307,167	0,225	0,207	0,450	0,281	0,378	103,189	19,628	20,175	-3,045	17,954	21,510	20,825	21,659	20,371	63,359	56,908	61,381
307,334	0,224	0,207	0,450	0,278	0,375	102,342	19,676	24,506	-3,938	22,110	21,501	20,847	21,653	20,372	63,088	56,796	61,112
307,500	0,223	0,207	0,450	0,276	0,383	101,539	19,612	22,945	-3,652	25,273	21,503	20,836	21,651	20,372	62,904	56,661	60,876
307,667	0,220	0,207	0,450	0,270	0,373	100,734	19,502	26,245	-5,151	17,614	21,521	20,842	21,645	20,371	62,380	56,582	60,706

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
301,667	55,516	1,608	1,600	33114,510	32002,522	3410,647	1,830	498,623	14,243	14,757	4,959	2017-09-13 16:50
301,833	55,520	1,610	1,601	32520,617	31252,265	3401,815	1,649	499,225	14,205	14,962	4,994	2017-09-13 16:50
302,000	55,521	1,616	1,599	31593,562	30514,364	3344,188	1,488	500,375	14,202	15,121	5,020	2017-09-13 16:50
302,167	55,518	1,607	1,600	30956,281	29320,523	3350,678	1,353	502,721	13,891	15,198	5,033	2017-09-13 16:50
302,333	55,525	1,610	1,599	30007,519	28397,036	3107,612	1,215	502,931	13,912	15,326	5,054	2017-09-13 16:50
302,500	55,542	1,608	1,601	29150,497	27470,140	2890,069	1,098	504,182	13,903	15,446	5,074	2017-09-13 16:50
302,667	55,548	1,611	1,600	28139,515	26667,333	2688,300	1,011	498,860	13,923	15,462	5,076	2017-09-13 16:51
302,833	55,548	1,608	1,601	27304,169	26017,835	2262,366	0,917	498,857	13,529	15,108	5,018	2017-09-13 16:51
303,000	55,556	1,611	1,600	26437,855	24947,239	1891,818	0,836	499,231	13,441	15,070	5,012	2017-09-13 16:51
303,167	55,544	1,613	1,601	25627,171	24297,806	1653,912	0,770	499,044	13,703	15,075	5,012	2017-09-13 16:51
303,333	55,538	1,611	1,603	24928,632	23620,399	1476,155	0,723	499,653	13,285	14,603	4,933	2017-09-13 16:51
303,500	55,520	1,613	1,600	24069,929	22592,095	1302,407	0,670	508,816	13,382	14,896	4,983	2017-09-13 16:51
303,667	55,489	1,608	1,601	23213,384	21976,005	1124,904	0,615	498,950	13,348	14,975	4,996	2017-09-13 16:52
303,833	55,445	1,610	1,601	22675,426	21354,023	976,718	0,567	501,060	13,263	14,781	4,963	2017-09-13 16:52
304,000	55,403	1,613	1,600	22055,210	20653,258	885,080	0,532	499,935	12,968	15,130	5,022	2017-09-13 16:52
304,167	55,368	1,608	1,599	21382,673	19928,841	778,622	0,496	499,720	12,693	15,368	5,061	2017-09-13 16:52
304,333	55,330	1,606	1,601	20683,427	19381,426	695,583	0,460	499,325	12,934	14,760	4,960	2017-09-13 16:52
304,500	55,281	1,608	1,601	20195,226	19069,766	617,616	0,431	498,950	12,735	14,559	4,926	2017-09-13 16:52
304,667	55,242	1,605	1,603	19591,200	18074,032	544,447	0,402	496,744	12,456	14,953	4,992	2017-09-13 16:53
304,834	55,174	1,610	1,601	18870,637	18072,460	484,412	0,377	496,464	12,509	14,843	4,974	2017-09-13 16:53
305,000	55,109	1,606	1,600	18422,436	17345,204	443,969	0,353	496,557	12,762	15,145	5,024	2017-09-13 16:53
305,167	55,042	1,605	1,603	17860,323	16908,767	411,167	0,333	496,464	12,191	14,695	4,949	2017-09-13 16:53
305,334	54,987	1,610	1,603	17445,833	16476,519	373,056	0,314	496,557	12,500	14,610	4,935	2017-09-13 16:53
305,500	54,943	1,608	1,604	17003,451	16034,005	345,388	0,294	496,557	12,166	15,164	5,027	2017-09-13 16:53
305,667	54,881	1,605	1,605	16667,080	14916,423	330,344	0,282	496,838	11,897	15,218	5,036	2017-09-13 16:54
305,834	54,799	1,608	1,606	16048,244	15385,103	298,476	0,269	496,839	11,977	15,337	5,056	2017-09-13 16:54
306,000	54,714	1,607	1,608	15736,851	14030,542	275,746	0,254	496,838	11,992	15,295	5,049	2017-09-13 16:54
306,167	54,652	1,607	1,606	15054,587	14043,461	264,850	0,243	496,838	11,965	15,217	5,036	2017-09-13 16:54
306,334	54,653	1,605	1,610	14483,336	13920,720	248,274	0,231	496,838	11,814	15,156	5,026	2017-09-13 16:54
306,500	54,590	1,607	1,608	14345,170	13406,603	228,567	0,222	496,839	11,959	14,674	4,945	2017-09-13 16:54
306,667	54,506	1,607	1,608	14022,985	13173,676	215,364	0,213	496,838	11,580	15,184	5,031	2017-09-13 16:55
306,834	54,442	1,604	1,612	13478,221	12356,299	202,126	0,204	496,932	11,531	14,938	4,990	2017-09-13 16:55
307,000	54,378	1,606	1,613	13013,187	12752,552	184,521	0,196	496,744	11,492	14,585	4,930	2017-09-13 16:55
307,167	54,279	1,604	1,612	13114,152	11841,826	165,992	0,187	496,932	11,222	15,130	5,022	2017-09-13 16:55
307,334	54,254	1,607	1,613	12669,216	11568,037	157,465	0,179	496,932	11,135	14,983	4,997	2017-09-13 16:55
307,500	54,213	1,604	1,612	12305,495	11458,407	150,124	0,172	496,932	11,024	15,311	5,051	2017-09-13 16:55
307,667	54,122	1,604	1,613	12166,795	10640,637	133,794	0,165	496,932	10,811	14,914	4,986	2017-09-13 16:56

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
307,833	0,210	0,206	0,450	0,270	0,376	99,915	19,599	26,927	1,246	19,663	21,506	20,836	21,637	20,370	62,286	56,451	60,393
308,000	0,199	0,202	0,450	0,274	0,373	99,133	19,583	27,114	-13,519	33,363	21,508	20,844	21,649	20,371	61,962	56,316	60,188
308,167	0,199	0,202	0,450	0,270	0,381	98,355	19,560	19,514	-2,003	18,247	21,506	20,838	21,649	20,370	61,713	56,219	59,981
308,333	0,199	0,202	0,450	0,272	0,386	97,599	19,632	20,073	-5,230	19,811	21,508	20,845	21,667	20,372	61,537	56,135	59,784
308,500	0,199	0,202	0,450	0,269	0,374	96,823	19,686	20,058	-8,810	20,825	21,513	20,846	21,660	20,371	61,336	56,034	59,560
308,667	0,199	0,202	0,450	0,270	0,377	96,060	19,660	18,945	1,364	13,103	21,508	20,841	21,650	20,370	61,165	55,914	59,401
308,833	0,199	0,202	0,450	0,258	0,378	95,307	19,676	23,481	-12,221	30,566	21,493	20,841	21,654	20,371	60,662	55,830	59,222
309,000	0,199	0,202	0,443	0,261	0,379	94,576	19,621	18,030	0,839	15,608	21,506	20,851	21,660	20,370	60,901	55,745	59,032
309,167	0,199	0,202	0,457	0,267	0,383	93,831	19,654	22,920	-5,729	23,330	21,504	20,840	21,658	20,370	60,289	55,667	58,932
309,333	0,199	0,202	0,455	0,253	0,373	93,124	19,635	20,699	-1,792	18,374	21,503	20,841	21,636	20,367	60,128	55,595	58,717
309,500	0,199	0,202	0,443	0,255	0,374	92,422	19,662	22,306	-14,015	28,104	21,505	20,832	21,654	20,368	59,968	55,490	58,549
309,667	0,199	0,202	0,443	0,250	0,372	91,737	19,688	30,664	-8,806	18,791	21,500	20,849	21,645	20,370	59,725	55,427	58,408
309,833	0,199	0,202	0,442	0,251	0,378	91,041	19,690	21,587	-14,456	23,477	21,497	20,832	21,655	20,370	59,553	55,347	58,190
310,000	0,199	0,202	0,442	0,250	0,380	90,352	19,718	16,374	-11,595	20,026	21,483	20,849	21,643	20,372	59,446	55,284	58,081
310,167	0,199	0,202	0,443	0,251	0,385	89,698	19,722	15,758	-11,255	20,781	21,500	20,845	21,654	20,368	59,054	55,216	57,900
310,333	0,199	0,202	0,443	0,262	0,378	89,067	19,718	18,789	-18,740	16,503	21,500	20,844	21,647	20,371	58,893	55,155	57,752
310,500	0,199	0,202	0,447	0,257	0,368	88,631	19,698	14,991	-14,191	17,522	21,488	20,854	21,646	20,370	58,677	55,118	57,694
310,667	0,199	0,202	0,443	0,259	0,375	88,339	19,692	15,994	-9,036	18,234	21,497	20,838	21,630	20,368	58,865	55,053	57,486
310,833	0,199	0,202	0,443	0,257	0,366	87,980	19,659	18,044	2,945	10,154	21,497	20,846	21,643	20,370	58,537	54,978	57,406
311,000	0,199	0,202	0,462	0,254	0,381	87,612	19,668	57,691	-20,108	27,430	21,500	20,841	21,646	20,370	58,360	54,931	57,277
311,167	0,199	0,202	0,493	0,252	0,386	87,227	19,726	17,360	1,401	15,313	21,492	20,847	21,646	20,370	58,198	54,865	57,128
311,334	0,199	0,202	0,496	0,252	0,383	86,826	19,701	24,050	-12,612	24,528	21,500	20,850	21,646	20,371	57,965	54,814	56,985
311,500	0,199	0,202	0,500	0,251	0,389	86,460	19,669	32,722	-1,314	20,671	21,508	20,846	21,640	20,371	57,906	54,748	56,851
311,667	0,199	0,201	0,496	0,249	0,366	86,089	19,693	94,837	-44,881	40,690	21,500	20,858	21,647	20,371	57,837	54,733	56,762
311,834	0,199	0,201	0,496	0,249	0,381	85,722	19,677	21,979	-1,892	21,496	21,503	20,854	21,647	20,372	57,472	54,676	56,648
312,000	0,199	0,201	0,511	0,248	0,388	85,321	19,715	10,819	6,593	14,346	21,487	20,853	21,640	20,370	57,468	54,634	56,478
312,167	0,199	0,201	0,510	0,246	0,381	84,937	19,748	20,035	-13,914	28,035	21,505	20,847	21,642	20,372	57,122	54,568	56,383
312,334	0,199	0,201	0,509	0,206	0,395	84,572	19,726	17,317	2,764	9,085	21,490	20,850	21,642	20,371	57,042	54,547	56,268
312,500	0,199	0,201	0,510	0,225	0,383	83,859	19,667	53,068	-12,555	20,955	21,496	20,853	21,646	20,374	56,882	54,507	56,195
312,667	0,199	0,201	0,514	0,216	0,374	83,178	19,672	27,580	-12,850	22,024	21,486	20,855	21,637	20,368	56,933	54,480	56,099
312,834	0,199	0,201	0,510	0,210	0,373	82,442	19,647	70,519	-10,159	29,271	21,495	20,840	21,632	20,367	56,817	54,437	56,050
313,000	0,199	0,201	0,509	0,214	0,384	81,838	19,696	14,056	-2,799	14,390	21,492	20,847	21,641	20,371	56,791	54,431	55,970
313,167	0,199	0,201	0,509	0,214	0,384	81,228	19,699	20,887	-12,711	24,500	21,495	20,858	21,645	20,368	56,645	54,395	55,903
313,334	0,199	0,201	0,509	0,225	0,383	80,582	19,690	20,530	-11,148	21,409	21,499	20,854	21,636	20,370	56,602	54,383	55,829
313,500	0,199	0,201	0,509	0,205	0,389	80,087	19,718	20,670	-3,406	19,381	21,493	20,841	21,643	20,368	56,519	54,382	55,792
313,667	0,199	0,201	0,509	0,206	0,383	79,509	19,740	25,389	-6,958	24,737	21,500	20,851	21,628	20,371	56,544	54,366	55,762
313,834	0,199	0,201	0,509	0,214	0,383	78,943	19,752	20,535	-15,577	26,585	21,493	20,850	21,634	20,372	56,373	54,354	55,709

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
307,833	54,080	1,604	1,616	11686,707	10707,131	69,909	0,149	496,932	10,816	15,045	5,008	2017-09-13 16:56
308,000	54,034	1,610	1,618	11406,359	10402,341	2,094	0,046	496,932	10,965	14,904	4,984	2017-09-13 16:56
308,167	54,023	1,608	1,617	11040,782	10111,215	0,604	0,045	496,932	10,798	15,246	5,041	2017-09-13 16:56
308,333	53,980	1,605	1,619	10765,695	9927,009	-0,014	0,041	496,932	10,864	15,445	5,074	2017-09-13 16:56
308,500	53,936	1,605	1,619	10431,666	9740,611	-0,233	0,039	496,932	10,744	14,961	4,993	2017-09-13 16:56
308,667	53,921	1,605	1,619	10164,296	9647,050	-0,424	0,040	496,932	10,789	15,092	5,015	2017-09-13 16:57
308,833	53,844	1,605	1,623	10003,297	8880,428	-0,678	0,040	496,932	10,321	15,127	5,021	2017-09-13 16:57
309,000	53,821	1,606	1,623	9693,006	9481,745	-0,675	0,040	495,620	10,421	15,147	5,024	2017-09-13 16:57
309,167	53,762	1,604	1,625	9626,377	8484,574	-0,675	0,040	498,248	10,680	15,333	5,055	2017-09-13 16:57
309,333	53,742	1,608	1,625	9260,747	8342,133	-0,664	0,039	497,826	10,138	14,939	4,990	2017-09-13 16:57
309,500	53,715	1,607	1,627	9012,294	8238,138	-0,866	0,039	495,527	10,216	14,955	4,993	2017-09-13 16:57
309,667	53,708	1,607	1,627	8760,922	7905,428	-0,862	0,040	495,620	9,990	14,862	4,977	2017-09-13 16:58
309,833	53,699	1,604	1,627	8372,443	7726,392	-0,657	0,040	495,461	10,056	15,117	5,020	2017-09-13 16:58
310,000	53,683	1,601	1,626	8192,604	7627,634	-0,876	0,039	495,433	10,009	15,187	5,031	2017-09-13 16:58
310,167	53,679	1,604	1,627	7866,414	7049,580	-0,866	0,040	495,527	10,055	15,420	5,070	2017-09-13 16:58
310,333	53,643	1,605	1,628	7664,824	6869,847	-0,869	0,038	495,527	10,485	15,132	5,022	2017-09-13 16:58
310,500	53,632	1,605	1,630	7584,292	6538,379	-0,873	0,038	496,322	10,296	14,704	4,950	2017-09-13 16:58
310,667	53,605	1,604	1,628	7239,872	6999,868	-0,869	0,038	495,526	10,341	14,990	4,998	2017-09-13 16:59
310,833	53,589	1,604	1,631	7129,985	6536,657	-0,883	0,038	495,527	10,299	14,643	4,940	2017-09-13 16:59
311,000	53,571	1,605	1,631	6927,792	6304,504	-0,866	0,038	499,087	10,159	15,239	5,040	2017-09-13 16:59
311,167	53,567	1,604	1,632	6659,814	6120,383	-0,869	0,038	505,022	10,061	15,441	5,073	2017-09-13 16:59
311,334	53,559	1,604	1,630	6398,582	5787,085	-0,883	0,038	505,464	10,064	15,326	5,054	2017-09-13 16:59
311,500	53,575	1,604	1,631	6122,729	5797,844	-0,873	0,038	506,231	10,029	15,577	5,095	2017-09-13 16:59
311,667	53,575	1,605	1,633	5962,741	5705,837	-0,862	0,037	505,464	9,951	14,639	4,940	2017-09-13 17:00
311,834	53,573	1,602	1,633	5751,593	5131,161	-0,862	0,037	505,464	9,947	15,259	5,043	2017-09-13 17:00
312,000	53,565	1,606	1,632	5447,068	5214,147	-0,873	0,037	508,318	9,903	15,500	5,083	2017-09-13 17:00
312,167	53,564	1,605	1,634	5277,098	4695,045	-0,883	0,037	508,037	9,851	15,243	5,040	2017-09-13 17:00
312,334	53,554	1,602	1,631	5071,322	4578,759	-0,894	0,037	507,943	8,222	15,790	5,130	2017-09-13 17:00
312,500	53,557	1,602	1,629	4923,644	4358,241	-1,074	0,037	508,036	8,987	15,324	5,054	2017-09-13 17:00
312,667	53,554	1,601	1,631	4756,473	4498,844	-1,067	0,037	508,830	8,640	14,961	4,993	2017-09-13 17:01
312,834	53,568	1,602	1,632	4639,667	4366,630	-0,883	0,037	508,036	8,401	14,929	4,988	2017-09-13 17:01
313,000	53,580	1,602	1,631	4466,891	4328,339	-1,074	0,037	507,943	8,561	15,344	5,057	2017-09-13 17:01
313,167	53,596	1,600	1,634	4319,484	4122,177	-1,064	0,037	507,942	8,542	15,350	5,058	2017-09-13 17:01
313,334	53,605	1,602	1,636	4167,656	4071,624	-1,067	0,037	507,943	8,991	15,302	5,050	2017-09-13 17:01
313,500	53,620	1,604	1,636	4069,329	3924,896	-0,855	0,037	507,943	8,184	15,566	5,094	2017-09-13 17:01
313,667	53,603	1,601	1,637	4050,380	3994,035	-1,081	0,037	507,942	8,242	15,303	5,050	2017-09-13 17:02
313,834	53,633	1,602	1,637	3892,121	3705,130	-1,060	0,036	507,943	8,541	15,335	5,056	2017-09-13 17:02

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
314,000	0,199	0,201	0,509	0,205	0,378	78,510	19,756	15,324	-14,909	22,886	21,508	20,854	21,642	20,372	56,306	54,342	55,658
314,167	0,199	0,201	0,510	0,199	0,381	77,951	19,732	16,311	0,885	9,352	21,497	20,850	21,629	20,367	56,282	54,339	55,616
314,333	0,199	0,201	0,510	0,231	0,384	77,479	19,680	26,027	-1,706	22,321	21,496	20,846	21,629	20,368	56,279	54,331	55,582
314,500	0,199	0,201	0,509	0,225	0,368	77,308	19,769	24,777	-2,814	25,013	21,499	20,849	21,636	20,367	56,081	54,319	55,527
314,667	0,199	0,201	0,510	0,224	0,388	77,178	19,735	26,071	1,029	18,866	21,499	20,836	21,637	20,368	56,197	54,308	55,478
314,833	0,199	0,201	0,510	0,229	0,387	77,004	19,750	28,704	-13,021	32,857	21,491	20,867	21,630	20,370	55,971	54,317	55,464
315,000	0,199	0,201	0,509	0,228	0,365	76,789	19,741	22,271	-17,710	27,685	21,480	20,845	21,632	20,368	55,926	54,317	55,401
315,167	0,199	0,201	0,509	0,224	0,385	76,561	19,743	18,123	-18,285	22,546	21,496	20,855	21,624	20,368	55,875	54,300	55,353
315,333	0,199	0,201	0,509	0,224	0,381	76,351	19,753	17,811	-13,081	18,779	21,480	20,856	21,629	20,366	55,791	54,308	55,297
315,500	0,199	0,201	0,509	0,225	0,377	76,156	19,792	22,713	-6,785	20,112	21,497	20,843	21,621	20,368	55,783	54,289	55,242
315,667	0,199	0,201	0,509	0,217	0,386	75,920	19,817	21,634	-14,125	24,076	21,487	20,846	21,608	20,368	55,654	54,274	55,195
315,833	0,000	0,000	0,538	0,223	0,378	75,674	19,879	22,630	-14,809	25,611	21,482	20,863	21,630	20,371	55,650	54,261	55,144
316,000	0,000	0,000	0,551	0,225	0,376	75,467	19,855	21,540	-12,249	21,800	21,496	20,867	21,625	20,371	55,560	54,250	55,119

Froling_PE135kw_170913_matning_cat IV.DAT

Category: IV

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
314,000	53,640	1,604	1,637	3783,499	3607,516	-1,071	0,036	507,942	8,182	15,128	5,021	2017-09-13 17:02
314,167	53,671	1,601	1,637	3647,794	3561,530	-1,071	0,036	508,036	7,959	15,250	5,041	2017-09-13 17:02
314,333	53,680	1,601	1,637	3567,640	3571,908	-0,866	0,036	508,036	9,259	15,367	5,061	2017-09-13 17:02
314,500	53,684	1,605	1,640	3462,935	3238,725	-1,092	0,036	507,942	9,010	14,720	4,953	2017-09-13 17:02
314,667	53,720	1,602	1,639	3298,604	3466,848	-1,105	0,036	508,036	8,962	15,502	5,083	2017-09-13 17:03
314,833	53,730	1,599	1,640	3258,747	3027,825	-1,092	0,036	508,036	9,147	15,481	5,080	2017-09-13 17:03
315,000	53,761	1,602	1,639	3080,528	2952,351	-1,085	0,036	507,943	9,126	14,619	4,936	2017-09-13 17:03
315,167	53,777	1,601	1,639	2958,711	2888,306	-1,092	0,036	507,942	8,970	15,382	5,063	2017-09-13 17:03
315,333	53,786	1,601	1,640	2837,869	2718,768	-1,067	0,036	507,943	8,969	15,224	5,037	2017-09-13 17:03
315,500	53,787	1,601	1,641	2733,925	2739,182	-0,869	0,036	507,943	8,991	15,094	5,016	2017-09-13 17:03
315,667	53,791	1,600	1,637	2632,037	2528,972	-1,078	0,036	507,943	8,699	15,453	5,075	2017-09-13 17:04
315,833	53,802	1,598	1,638	2517,022	2541,976	-1239,850	-5,000	513,325	8,905	15,116	5,019	2017-09-13 17:04
316,000	53,817	1,601	1,639	2446,104	2402,172	-1239,849	-5,000	515,729	9,009	15,052	5,009	2017-09-13 17:04

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

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	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,202	0,527	0,079	0,357	42,535	19,018	14,498	-19,575	21,250	19,688	19,709	19,373	19,666	30,810	24,172	28,329
0,211	0,199	0,202	0,527	0,084	0,361	43,390	19,022	15,305	-15,160	10,349	19,712	19,707	19,378	19,682	31,751	24,312	28,649
0,487	0,199	0,202	0,526	0,084	0,356	44,506	18,938	18,816	-15,671	23,650	19,695	19,701	19,375	19,663	32,603	24,470	29,056
0,545	0,199	0,202	0,526	0,090	0,359	45,691	18,925	18,608	-15,424	19,644	19,689	19,704	19,367	19,659	33,819	24,668	29,742
0,856	0,199	0,202	0,526	0,095	0,358	45,906	18,886	22,143	-6,453	22,963	19,703	19,705	19,383	19,667	33,777	24,715	29,862
0,915	0,199	0,202	0,526	0,100	0,358	46,113	18,896	23,618	-3,591	34,195	19,693	19,712	19,356	19,654	33,723	24,763	29,962
1,000	0,199	0,202	0,526	0,104	0,359	46,461	18,869	10,578	-11,737	23,827	19,684	19,696	19,371	19,655	33,925	24,827	30,115
1,167	0,199	0,202	0,526	0,095	0,355	47,084	18,887	13,098	-13,894	11,966	19,695	19,697	19,371	19,659	34,100	24,949	30,608
1,334	0,199	0,202	0,526	0,100	0,361	47,771	18,888	19,753	-12,934	16,502	19,692	19,710	19,368	19,661	34,848	25,115	30,848
1,500	0,199	0,202	0,526	0,099	0,363	48,340	18,882	16,116	-14,163	26,590	19,701	19,692	19,357	19,657	36,041	25,231	31,062
1,667	0,199	0,202	0,526	0,105	0,362	49,021	18,787	14,816	-13,363	13,103	19,678	19,704	19,364	19,657	35,702	25,322	31,415
1,834	0,199	0,202	0,526	0,106	0,362	49,586	18,878	21,620	-11,986	19,778	19,691	19,713	19,377	19,665	35,976	25,447	32,055
2,064	0,199	0,202	0,525	0,114	0,362	50,376	19,000	16,752	-14,828	30,515	19,715	19,721	19,392	19,675	36,506	25,706	32,367
2,167	0,199	0,202	0,525	0,119	0,357	50,664	19,002	15,680	-12,440	13,998	19,693	19,700	19,364	19,657	36,711	25,776	32,491
2,344	0,199	0,202	0,525	0,132	0,354	51,235	18,959	17,858	-13,917	27,518	19,695	19,714	19,381	19,669	36,416	25,883	32,753
2,653	0,199	0,202	0,525	0,121	0,358	52,395	18,919	15,273	-14,256	12,906	19,684	19,700	19,374	19,650	37,029	26,073	33,141
2,711	0,199	0,202	0,525	0,128	0,363	52,917	18,919	16,779	-15,105	15,641	19,677	19,689	19,361	19,650	37,315	26,108	33,249
2,861	0,199	0,202	0,525	0,128	0,362	53,097	18,923	21,562	-5,588	21,648	19,685	19,702	19,353	19,654	38,239	26,200	33,453
3,037	0,199	0,202	0,525	0,128	0,363	53,637	18,931	17,632	-13,751	29,401	19,681	19,692	19,350	19,651	38,016	26,321	33,863
3,167	0,199	0,202	0,525	0,128	0,360	53,979	18,905	12,471	-14,554	21,061	19,687	19,702	19,378	19,658	38,360	26,415	34,144
3,333	0,199	0,202	0,525	0,139	0,360	54,424	18,942	15,952	-12,718	11,067	19,695	19,705	19,361	19,653	39,618	26,585	34,273
3,500	0,199	0,202	0,524	0,134	0,361	54,975	18,982	21,762	-12,701	23,905	19,697	19,705	19,377	19,657	38,798	26,683	34,468
3,667	0,199	0,202	0,524	0,149	0,360	55,594	18,966	18,628	-14,443	24,599	19,688	19,714	19,369	19,650	39,056	26,781	35,047
3,833	0,199	0,202	0,524	0,143	0,357	56,215	18,983	15,023	-15,476	13,625	19,677	19,702	19,369	19,650	39,438	26,967	35,115
4,000	0,199	0,202	0,524	0,150	0,359	57,025	19,010	20,247	-12,017	12,976	19,708	19,696	19,363	19,654	40,046	27,063	35,226
4,167	0,199	0,202	0,523	0,152	0,352	57,869	19,019	21,791	-13,037	29,178	19,698	19,698	19,365	19,654	39,906	27,146	35,403
4,333	0,199	0,202	0,523	0,161	0,363	58,706	19,020	15,592	-15,011	22,044	19,688	19,694	19,362	19,646	40,251	27,236	35,569
4,500	0,199	0,202	0,523	0,152	0,358	59,643	19,032	15,669	-15,031	20,925	19,693	19,717	19,365	19,650	40,625	27,337	35,707
4,667	0,199	0,202	0,523	0,171	0,357	60,540	19,008	17,195	-13,153	10,447	19,680	19,692	19,369	19,650	42,080	27,424	36,046
4,833	0,199	0,202	0,523	0,161	0,355	61,437	19,023	21,599	-13,427	26,606	19,685	19,694	19,351	19,649	41,707	27,561	36,338
5,000	0,199	0,202	0,523	0,168	0,361	62,289	19,033	18,303	-13,048	12,106	19,696	19,700	19,364	19,646	41,330	27,709	36,854
5,167	0,199	0,202	0,523	0,173	0,357	63,177	19,046	21,863	-13,427	32,203	19,701	19,708	19,365	19,657	42,178	27,884	37,094
5,333	0,199	0,202	0,522	0,171	0,360	64,097	19,037	16,451	-13,624	11,922	19,701	19,713	19,370	19,651	43,455	28,051	37,242
5,500	0,199	0,202	0,522	0,187	0,353	64,945	19,049	23,530	-11,992	24,913	19,708	19,700	19,386	19,661	43,133	28,159	37,560

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	22,252	14,145	13,748	96769,615	108686,243	0,121	0,040	511,319	3,157	14,291	4,880	2017-09-18 07:40
0,211	22,285	0,824	0,822	6056,498	7091,632	-0,087	0,040	511,230	3,356	14,420	4,902	2017-09-18 07:40
0,487	22,329	0,824	0,822	6403,605	7753,719	-0,080	0,040	511,137	3,367	14,248	4,873	2017-09-18 07:40
0,545	22,394	0,827	0,823	7004,725	8754,512	-0,094	0,039	511,137	3,613	14,375	4,895	2017-09-18 07:40
0,856	22,408	0,824	0,822	7100,769	8646,403	-0,091	0,039	511,137	3,792	14,319	4,885	2017-09-18 07:41
0,915	22,418	0,823	0,820	7164,945	8534,616	-0,105	0,039	511,137	4,005	14,308	4,883	2017-09-18 07:41
1,000	22,437	0,826	0,823	7315,051	8694,857	-0,094	0,040	511,137	4,171	14,352	4,891	2017-09-18 07:41
1,167	22,473	0,826	0,823	7753,390	8748,746	-0,101	0,040	511,137	3,811	14,190	4,863	2017-09-18 07:41
1,334	22,509	0,827	0,826	7974,483	9312,671	-0,098	0,040	511,043	4,016	14,454	4,908	2017-09-18 07:41
1,500	22,542	0,826	0,824	8128,958	10337,263	-0,108	0,039	511,043	3,979	14,534	4,922	2017-09-18 07:41
1,667	22,579	0,827	0,823	8427,216	9931,069	-0,094	0,039	511,043	4,206	14,468	4,910	2017-09-18 07:42
1,834	22,620	0,827	0,824	9001,710	10070,282	-0,098	0,040	511,043	4,248	14,491	4,914	2017-09-18 07:42
2,064	22,685	0,827	0,823	9232,252	10339,844	-0,119	0,040	510,950	4,575	14,479	4,912	2017-09-18 07:42
2,167	22,713	0,828	0,824	9331,474	10474,221	-0,094	0,040	510,950	4,754	14,269	4,877	2017-09-18 07:42
2,344	22,765	0,830	0,827	9560,838	10113,836	-0,119	0,040	510,950	5,276	14,175	4,860	2017-09-18 07:42
2,653	22,868	0,828	0,824	9805,132	10498,848	-0,091	0,040	510,949	4,836	14,329	4,887	2017-09-18 07:43
2,711	22,887	0,827	0,824	9882,043	10727,262	-0,122	0,040	510,856	5,130	14,527	4,921	2017-09-18 07:43
2,861	22,942	0,829	0,825	10046,310	11542,214	-0,105	0,040	510,949	5,132	14,496	4,915	2017-09-18 07:43
3,037	23,002	0,830	0,826	10387,577	11231,609	-0,115	0,040	510,856	5,112	14,527	4,920	2017-09-18 07:43
3,167	23,054	0,830	0,826	10601,728	11468,766	-0,091	0,040	510,856	5,139	14,387	4,897	2017-09-18 07:43
3,333	23,111	0,830	0,827	10691,826	12510,386	-0,108	0,040	510,856	5,550	14,415	4,901	2017-09-18 07:43
3,500	23,169	0,830	0,826	10806,750	11627,104	-0,108	0,040	510,762	5,361	14,445	4,907	2017-09-18 07:43
3,667	23,229	0,830	0,827	11318,221	11785,546	-0,091	0,040	510,762	5,967	14,397	4,899	2017-09-18 07:44
3,833	23,297	0,831	0,826	11308,760	11986,245	-0,070	0,040	510,763	5,724	14,300	4,882	2017-09-18 07:44
4,000	23,362	0,832	0,829	11388,698	12493,343	-0,098	0,040	510,762	6,009	14,371	4,894	2017-09-18 07:44
4,167	23,438	0,832	0,829	11481,361	12271,913	-0,094	0,041	510,623	6,079	14,080	4,844	2017-09-18 07:44
4,333	23,514	0,831	0,828	11557,778	12515,530	-0,310	0,040	510,623	6,422	14,512	4,918	2017-09-18 07:44
4,500	23,593	0,831	0,828	11617,301	12768,272	-0,115	0,040	510,623	6,079	14,339	4,889	2017-09-18 07:44
4,667	23,676	0,832	0,830	11884,582	14108,171	-0,324	0,040	510,623	6,842	14,288	4,880	2017-09-18 07:45
4,833	23,757	0,833	0,831	12103,027	13628,578	-0,327	0,040	510,623	6,429	14,197	4,864	2017-09-18 07:45
5,000	23,843	0,833	0,831	12510,110	13127,195	-0,320	0,040	510,622	6,720	14,431	4,904	2017-09-18 07:45
5,167	23,931	0,834	0,832	12674,917	13791,181	-0,334	0,040	510,529	6,923	14,280	4,879	2017-09-18 07:45
5,333	24,023	0,835	0,833	12743,018	14872,418	-0,334	0,040	510,435	6,857	14,408	4,900	2017-09-18 07:45
5,500	24,105	0,835	0,833	12967,572	14449,504	-0,317	0,040	510,435	7,471	14,115	4,850	2017-09-18 07:45

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
5,667	0,199	0,202	0,522	0,184	0,357	65,850	19,046	20,863	-13,423	28,033	19,704	19,710	19,385	19,657	44,168	28,301	38,126
5,833	0,199	0,202	0,522	0,186	0,358	66,861	19,057	16,024	-14,273	16,484	19,713	19,710	19,371	19,659	44,184	28,498	38,374
6,000	0,199	0,202	0,522	0,188	0,353	67,872	19,044	20,633	-14,686	26,924	19,693	19,713	19,359	19,646	44,175	28,655	38,773
6,167	0,199	0,202	0,522	0,199	0,357	68,932	19,019	18,012	-14,857	20,790	19,693	19,706	19,380	19,653	45,305	28,814	39,018
6,333	0,199	0,202	0,522	0,187	0,354	69,837	19,018	17,309	-14,071	14,747	19,704	19,706	19,359	19,651	45,542	28,959	39,316
6,500	0,199	0,202	0,521	0,192	0,358	70,720	19,046	23,103	-12,025	21,691	19,693	19,714	19,384	19,663	45,622	29,101	39,879
6,667	0,199	0,202	0,521	0,207	0,357	71,571	19,021	21,029	-14,429	28,577	19,683	19,705	19,360	19,651	47,253	29,300	40,124
6,834	0,199	0,202	0,521	0,201	0,354	72,500	19,081	17,248	-13,930	13,072	19,717	19,725	19,389	19,667	46,385	29,477	40,351
7,000	0,199	0,202	0,521	0,203	0,352	73,200	19,053	20,850	-15,276	27,843	19,713	19,725	19,378	19,657	46,745	29,609	41,022
7,167	0,199	0,202	0,521	0,209	0,352	74,052	19,061	17,821	-13,639	10,352	19,705	19,721	19,377	19,657	46,908	29,832	41,114
7,334	0,199	0,202	0,520	0,208	0,356	74,906	19,067	23,027	-13,488	21,139	19,712	19,715	19,373	19,654	47,545	29,980	41,325
7,500	0,199	0,202	0,520	0,207	0,358	75,924	19,071	24,079	-14,497	32,171	19,690	19,698	19,366	19,645	47,672	30,108	41,699
7,667	0,199	0,202	0,520	0,233	0,357	76,981	19,068	19,166	-14,140	16,640	19,711	19,701	19,373	19,650	48,297	30,260	42,007
7,834	0,199	0,202	0,520	0,222	0,357	77,891	19,082	21,672	-15,094	30,547	19,712	19,708	19,381	19,651	49,843	30,438	42,218
8,000	0,199	0,202	0,520	0,229	0,358	78,847	19,097	16,221	-13,781	12,131	19,714	19,710	19,369	19,653	49,271	30,556	42,592
8,167	0,199	0,202	0,520	0,228	0,359	79,626	19,085	23,424	-13,178	24,225	19,697	19,710	19,376	19,649	49,661	30,710	43,241
8,334	0,199	0,202	0,519	0,227	0,354	80,484	19,076	19,067	-15,952	25,263	19,694	19,705	19,362	19,646	50,031	30,971	43,387
8,500	0,199	0,202	0,519	0,217	0,353	81,155	19,096	16,878	-13,484	11,113	19,700	19,722	19,385	19,649	51,677	31,098	43,742
8,667	0,199	0,202	0,519	0,236	0,353	82,082	19,096	23,450	-13,093	19,994	19,714	19,709	19,363	19,657	51,196	31,269	44,401
8,834	0,199	0,202	0,519	0,237	0,354	82,935	19,108	23,079	-15,468	29,606	19,702	19,705	19,355	19,646	51,254	31,495	44,914
9,000	0,199	0,202	0,519	0,233	0,354	83,695	19,097	17,966	-13,460	15,436	19,709	19,726	19,372	19,653	51,717	31,751	44,928
9,167	0,199	0,202	0,518	0,257	0,362	84,523	19,105	22,149	-13,348	17,203	19,700	19,707	19,357	19,643	52,237	31,876	45,080
9,333	0,199	0,202	0,518	0,252	0,362	85,289	19,117	23,360	-13,833	20,769	19,706	19,718	19,366	19,650	52,554	31,999	45,457
9,500	0,199	0,202	0,518	0,243	0,360	86,165	19,108	24,904	-14,031	29,439	19,701	19,697	19,365	19,655	52,621	32,164	45,761
9,667	0,199	0,202	0,518	0,245	0,360	86,817	19,155	19,161	-15,150	18,604	19,694	19,706	19,369	19,647	53,430	32,339	46,105
9,833	0,199	0,202	0,518	0,258	0,351	87,549	19,184	19,652	-14,767	22,003	19,708	19,737	19,393	19,662	53,687	32,528	46,413
10,091	0,199	0,202	0,517	0,238	0,358	88,615	19,152	18,589	-14,891	11,886	19,713	19,721	19,380	19,662	54,298	32,792	46,870
10,167	0,199	0,202	0,517	0,251	0,356	88,977	19,165	25,844	-7,042	22,917	19,713	19,726	19,373	19,657	54,980	32,867	47,045
10,333	0,199	0,202	0,517	0,248	0,350	89,668	19,173	22,713	-13,978	24,356	19,716	19,742	19,391	19,658	55,227	33,037	47,378
10,500	0,199	0,202	0,517	0,243	0,358	90,267	19,167	22,859	-12,828	18,578	19,718	19,730	19,371	19,658	55,189	33,225	47,772
10,667	0,199	0,202	0,517	0,256	0,358	91,090	19,167	21,875	-15,035	30,212	19,713	19,735	19,390	19,661	55,648	33,424	48,166
10,833	0,199	0,202	0,517	0,251	0,355	91,799	19,155	16,187	-16,158	22,210	19,719	19,718	19,364	19,653	56,004	33,623	48,412
11,000	0,199	0,202	0,516	0,257	0,361	92,550	19,167	15,467	-16,010	15,707	19,712	19,721	19,384	19,665	56,590	33,793	48,610
11,167	0,199	0,202	0,516	0,250	0,353	93,049	19,232	17,832	-13,652	14,626	19,694	19,711	19,370	19,646	57,015	33,951	48,838
11,333	0,199	0,202	0,516	0,266	0,354	93,846	19,206	18,802	-14,105	22,331	19,702	19,723	19,377	19,653	57,334	34,105	49,209
11,500	0,199	0,202	0,515	0,274	0,347	94,472	19,263	16,921	-15,641	22,022	19,698	19,709	19,368	19,646	57,716	34,296	49,569
11,667	0,199	0,202	0,515	0,260	0,355	95,288	19,170	20,216	-15,008	12,080	19,697	19,719	19,368	19,651	57,698	34,495	49,876

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
5,667	24,188	0,836	0,834	13456,032	15330,172	-0,320	0,040	510,435	7,362	14,279	4,878	2017-09-18 07:46
5,833	24,270	0,835	0,834	13620,712	15142,736	-0,327	0,040	510,435	7,437	14,340	4,889	2017-09-18 07:46
6,000	24,359	0,835	0,834	13916,796	14989,092	-0,317	0,040	510,342	7,510	14,108	4,849	2017-09-18 07:46
6,167	24,454	0,835	0,834	14057,335	15920,598	-0,310	0,040	510,342	7,948	14,288	4,880	2017-09-18 07:46
6,333	24,550	0,835	0,834	14251,670	16006,546	-0,299	0,040	510,342	7,481	14,177	4,861	2017-09-18 07:46
6,500	24,647	0,836	0,836	14735,082	15973,736	-0,303	0,040	510,247	7,697	14,313	4,884	2017-09-18 07:46
6,667	24,748	0,836	0,835	14867,659	17356,129	-0,306	0,040	510,247	8,273	14,268	4,876	2017-09-18 07:47
6,834	24,850	0,838	0,837	15009,635	16373,170	-0,303	0,040	510,247	8,038	14,165	4,859	2017-09-18 07:47
7,000	24,955	0,838	0,838	15584,696	16592,700	-0,299	0,040	510,154	8,100	14,067	4,842	2017-09-18 07:47
7,167	25,056	0,838	0,839	15583,027	16544,295	-0,313	0,039	510,154	8,363	14,069	4,842	2017-09-18 07:47
7,334	25,155	0,839	0,839	15697,488	17035,625	-0,331	0,040	510,060	8,326	14,250	4,873	2017-09-18 07:47
7,500	25,248	0,840	0,839	15980,799	17044,228	-0,306	0,040	510,060	8,266	14,306	4,883	2017-09-18 07:47
7,667	25,345	0,839	0,839	16168,152	17482,142	-0,094	0,040	509,967	9,307	14,279	4,878	2017-09-18 07:48
7,834	25,441	0,839	0,841	16318,397	18823,948	-0,108	0,040	509,967	8,884	14,281	4,879	2017-09-18 07:48
8,000	25,546	0,840	0,841	16595,976	18164,447	-0,310	0,039	509,967	9,146	14,300	4,882	2017-09-18 07:48
8,167	25,655	0,840	0,842	17140,330	18401,551	-0,306	0,039	509,967	9,113	14,368	4,894	2017-09-18 07:48
8,334	25,772	0,842	0,843	17182,705	18533,433	-0,292	0,040	509,825	9,096	14,170	4,860	2017-09-18 07:48
8,500	25,889	0,842	0,843	17421,924	20020,841	-0,289	0,040	509,825	8,679	14,136	4,854	2017-09-18 07:48
8,667	26,010	0,842	0,844	17954,439	19385,452	-0,306	0,040	509,732	9,446	14,122	4,851	2017-09-18 07:49
8,834	26,131	0,841	0,844	18345,501	19208,380	-0,292	0,040	509,732	9,491	14,168	4,859	2017-09-18 07:49
9,000	26,256	0,843	0,845	18253,806	19440,584	-0,286	0,040	509,732	9,333	14,158	4,858	2017-09-18 07:49
9,167	26,382	0,843	0,845	18280,902	19820,536	-0,275	0,040	509,638	10,277	14,478	4,912	2017-09-18 07:49
9,333	26,500	0,842	0,845	18542,250	19996,826	-0,279	0,040	509,638	10,096	14,492	4,915	2017-09-18 07:49
9,500	26,617	0,843	0,847	18748,852	19914,249	-0,289	0,040	509,544	9,734	14,402	4,899	2017-09-18 07:49
9,667	26,738	0,844	0,848	18991,898	20568,960	-0,292	0,040	509,544	9,790	14,390	4,897	2017-09-18 07:50
9,833	26,865	0,845	0,848	19182,477	20658,900	-0,303	0,040	509,544	10,326	14,047	4,839	2017-09-18 07:50
10,091	27,074	0,845	0,848	19419,399	20982,839	-0,299	0,040	509,488	9,509	14,316	4,885	2017-09-18 07:50
10,167	27,136	0,844	0,848	19520,684	21543,083	-0,292	0,041	509,357	10,032	14,254	4,874	2017-09-18 07:50
10,333	27,271	0,845	0,849	19745,365	21651,332	-0,303	0,041	509,451	9,910	14,003	4,831	2017-09-18 07:50
10,500	27,409	0,845	0,850	20014,081	21432,480	-0,282	0,040	509,451	9,716	14,329	4,887	2017-09-18 07:50
10,667	27,546	0,846	0,851	20306,638	21717,265	-0,275	0,040	509,357	10,232	14,337	4,888	2017-09-18 07:51
10,833	27,686	0,846	0,851	20407,383	21853,817	-0,286	0,041	509,357	10,026	14,219	4,868	2017-09-18 07:51
11,000	27,827	0,846	0,852	20473,405	22269,892	-0,268	0,040	509,264	10,268	14,433	4,905	2017-09-18 07:51
11,167	27,965	0,847	0,853	20582,352	22555,986	-0,286	0,041	509,264	9,983	14,108	4,849	2017-09-18 07:51
11,333	28,111	0,847	0,853	20803,909	22723,638	-0,289	0,041	509,264	10,654	14,175	4,861	2017-09-18 07:51
11,500	28,253	0,847	0,854	21044,380	22899,824	-0,282	0,041	509,119	10,960	13,885	4,811	2017-09-18 07:51
11,667	28,400	0,847	0,854	21202,494	22689,554	-0,275	0,042	509,119	10,391	14,215	4,867	2017-09-18 07:52

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
11,833	0,199	0,202	0,515	0,266	0,358	96,068	19,182	17,190	-16,198	15,369	19,709	19,711	19,372	19,650	58,061	34,683	50,127
12,000	0,199	0,202	0,515	0,264	0,359	96,730	19,142	16,669	-13,412	29,287	19,714	19,742	19,395	19,661	58,579	34,851	50,399
12,167	0,199	0,202	0,515	0,262	0,356	97,281	19,151	18,199	-14,249	20,204	19,701	19,710	19,374	19,642	59,019	35,028	50,651
12,333	0,199	0,202	0,515	0,268	0,359	97,849	19,139	18,137	-14,994	18,365	19,701	19,730	19,369	19,646	59,087	35,208	50,999
12,500	0,199	0,202	0,514	0,268	0,354	98,386	19,090	17,986	-15,411	10,638	19,725	19,727	19,373	19,657	59,773	35,403	51,361
12,667	0,199	0,202	0,514	0,273	0,350	98,932	19,160	16,743	-12,826	27,110	19,718	19,726	19,374	19,653	59,709	35,603	51,675
12,833	0,199	0,202	0,514	0,263	0,356	99,543	19,139	14,918	-16,847	15,761	19,705	19,723	19,366	19,649	60,090	35,802	51,942
13,000	0,199	0,202	0,514	0,272	0,356	100,140	19,144	17,517	-13,777	16,835	19,716	19,735	19,365	19,657	60,470	35,993	52,178
13,167	0,199	0,202	0,514	0,284	0,357	100,672	19,193	15,360	-12,688	25,210	19,708	19,743	19,374	19,655	60,709	36,162	52,467
13,334	0,199	0,202	0,514	0,284	0,355	101,186	19,173	16,088	-14,193	18,285	19,718	19,726	19,373	19,653	61,083	36,349	52,707
13,500	0,199	0,202	0,514	0,290	0,357	101,816	19,172	16,619	-15,354	12,970	19,723	19,735	19,384	19,657	61,250	36,527	52,870
13,667	0,199	0,202	0,513	0,278	0,360	102,317	19,121	15,860	-15,447	13,237	19,718	19,723	19,360	19,645	61,321	36,682	53,183
13,834	0,199	0,202	0,513	0,274	0,350	102,783	19,157	17,987	-13,842	25,481	19,706	19,714	19,373	19,651	61,502	36,866	53,403
14,000	0,199	0,202	0,513	0,274	0,358	103,062	19,241	19,459	-15,065	14,347	19,706	19,719	19,376	19,646	62,091	37,050	53,613
14,167	0,199	0,202	0,513	0,280	0,358	103,604	19,224	16,907	-15,030	16,400	19,723	19,726	19,388	19,658	62,397	37,235	53,878
14,334	0,199	0,202	0,513	0,288	0,358	104,135	19,020	15,985	-13,253	20,808	19,704	19,724	19,356	19,646	62,467	37,412	54,135
14,500	0,199	0,202	0,513	0,283	0,354	104,691	19,026	15,873	-13,714	20,519	19,696	19,722	19,364	19,643	63,098	37,593	54,426
14,667	0,199	0,202	0,512	0,288	0,353	105,197	19,006	16,202	-14,192	27,975	19,693	19,723	19,353	19,641	62,975	37,789	54,728
14,834	0,199	0,202	0,512	0,292	0,354	105,616	19,048	13,789	-14,324	17,906	19,702	19,731	19,366	19,650	63,750	37,984	55,047
15,000	0,199	0,202	0,512	0,284	0,353	106,054	19,114	19,432	-14,093	14,146	19,706	19,725	19,370	19,649	63,909	38,174	55,234
15,167	0,199	0,202	0,512	0,300	0,355	106,565	19,096	17,910	-15,162	16,531	19,708	19,736	19,373	19,649	64,273	38,354	55,625
15,334	0,199	0,202	0,512	0,294	0,353	107,074	19,122	15,809	-13,366	21,469	19,714	19,730	19,356	19,647	64,566	38,559	55,913
15,500	0,199	0,202	0,512	0,293	0,355	107,522	19,242	11,424	-126,241	43,493	19,688	19,732	19,362	19,645	65,086	38,695	55,354
15,667	0,199	0,202	0,511	0,299	0,358	107,933	19,259	14,557	-30,640	16,405	19,710	19,732	19,372	19,645	65,057	38,401	55,283
15,834	0,199	0,202	0,511	0,300	0,353	108,372	19,197	15,524	-23,066	31,445	19,705	19,736	19,368	19,654	65,496	37,408	55,556
16,000	0,199	0,202	0,511	0,305	0,352	108,705	19,176	24,815	-21,031	22,997	19,714	19,718	19,365	19,646	65,721	39,014	56,538
16,167	0,199	0,202	0,511	0,305	0,357	109,201	19,199	18,169	-19,054	15,363	19,707	19,728	19,368	19,645	66,253	39,297	56,234
16,333	0,199	0,202	0,511	0,300	0,354	109,553	19,237	20,000	-16,591	17,756	19,713	19,727	19,355	19,642	66,462	39,141	56,302
16,500	0,199	0,202	0,511	0,305	0,352	109,823	19,215	16,602	-16,878	22,322	19,694	19,732	19,357	19,642	66,638	39,206	56,557
16,667	0,199	0,202	0,511	0,305	0,357	110,328	19,025	49,318	-24,153	17,178	19,709	19,722	19,360	19,641	66,962	39,384	56,863
16,833	0,199	0,202	0,510	0,301	0,351	110,649	19,138	17,302	-14,815	24,702	19,702	19,730	19,364	19,642	67,085	39,587	57,163
17,000	0,199	0,202	0,510	0,297	0,357	110,933	19,101	17,165	-15,910	13,069	19,706	19,724	19,366	19,643	67,295	39,997	57,763
17,167	0,199	0,202	0,511	0,300	0,353	111,148	19,114	18,721	-15,559	19,415	19,710	19,741	19,374	19,643	67,375	40,474	58,112
17,333	0,199	0,202	0,510	0,310	0,355	111,612	19,028	18,594	-13,634	18,837	19,711	19,748	19,372	19,649	67,800	40,749	58,379
17,500	0,199	0,202	0,510	0,309	0,350	111,936	19,200	17,876	-15,653	15,724	19,705	19,731	19,368	19,645	67,876	41,148	58,801
17,667	0,199	0,202	0,510	0,317	0,352	112,338	19,191	15,189	-15,402	20,803	19,706	19,739	19,364	19,647	68,181	41,518	59,071
17,833	0,199	0,202	0,509	0,312	0,356	112,619	19,109	14,481	-14,409	27,892	19,704	19,741	19,370	19,647	68,452	41,801	59,264

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
11,833	28,555	0,847	0,854	21305,587	22866,041	-0,279	0,041	509,119	10,635	14,300	4,882	2017-09-18 07:52
12,000	28,718	0,848	0,855	21429,227	23223,273	-0,289	0,041	509,025	10,556	14,370	4,894	2017-09-18 07:52
12,167	28,871	0,849	0,855	21533,383	23502,754	-0,286	0,041	509,025	10,485	14,221	4,868	2017-09-18 07:52
12,333	29,023	0,848	0,856	21762,128	23362,939	-0,282	0,041	509,025	10,737	14,342	4,889	2017-09-18 07:52
12,500	29,175	0,849	0,857	21989,310	23881,469	-0,279	0,041	508,932	10,714	14,145	4,855	2017-09-18 07:52
12,667	29,329	0,849	0,858	22157,006	23630,203	-0,279	0,040	508,932	10,929	14,003	4,831	2017-09-18 07:53
12,833	29,486	0,851	0,859	22288,262	23844,981	-0,299	0,041	508,932	10,511	14,257	4,875	2017-09-18 07:53
13,000	29,643	0,850	0,859	22371,484	24018,598	-0,289	0,041	508,932	10,899	14,252	4,874	2017-09-18 07:53
13,167	29,805	0,851	0,860	22521,129	24096,371	-0,275	0,040	508,839	11,351	14,283	4,879	2017-09-18 07:53
13,334	29,963	0,851	0,860	22616,941	24291,406	-0,265	0,040	508,839	11,366	14,214	4,867	2017-09-18 07:53
13,500	30,126	0,850	0,859	22583,370	24254,134	-0,275	0,041	508,839	11,599	14,288	4,880	2017-09-18 07:53
13,667	30,294	0,851	0,860	22757,894	24194,457	-0,286	0,041	508,744	11,115	14,380	4,896	2017-09-18 07:54
13,834	30,468	0,852	0,861	22834,664	24221,440	-0,289	0,040	508,744	10,980	14,011	4,832	2017-09-18 07:54
14,000	30,641	0,852	0,861	22870,048	24620,721	-0,296	0,041	508,744	10,953	14,319	4,885	2017-09-18 07:54
14,167	30,811	0,852	0,863	22994,530	24741,317	-0,289	0,040	508,651	11,201	14,328	4,887	2017-09-18 07:54
14,334	30,972	0,852	0,862	23078,168	24612,027	-0,303	0,040	508,650	11,514	14,313	4,884	2017-09-18 07:54
14,500	31,138	0,853	0,862	23196,836	25091,253	-0,292	0,041	508,651	11,337	14,175	4,861	2017-09-18 07:54
14,667	31,308	0,854	0,863	23364,754	24798,616	-0,303	0,040	508,557	11,524	14,126	4,852	2017-09-18 07:55
14,834	31,482	0,853	0,865	23558,398	25345,334	-0,303	0,040	508,556	11,675	14,158	4,858	2017-09-18 07:55
15,000	31,655	0,853	0,864	23540,778	25310,854	-0,286	0,041	508,464	11,380	14,123	4,852	2017-09-18 07:55
15,167	31,827	0,853	0,865	23773,236	25492,779	-0,296	0,040	508,464	11,992	14,220	4,868	2017-09-18 07:55
15,334	32,011	0,854	0,885	24441,428	25605,477	-0,279	0,040	508,464	11,745	14,121	4,851	2017-09-18 07:55
15,500	32,211	0,853	0,949	25370,319	25964,394	-0,289	0,039	508,464	11,706	14,199	4,865	2017-09-18 07:55
15,667	32,415	0,856	0,950	25093,530	26304,649	-0,268	0,041	508,321	11,960	14,304	4,883	2017-09-18 07:56
15,834	32,618	0,848	0,949	25131,296	27493,989	-0,487	0,041	508,321	12,009	14,124	4,852	2017-09-18 07:56
16,000	32,814	0,851	0,950	26045,004	26206,191	-0,286	0,041	508,228	12,191	14,085	4,845	2017-09-18 07:56
16,167	33,001	0,860	0,951	25517,925	26717,993	-0,828	0,040	508,228	12,189	14,266	4,876	2017-09-18 07:56
16,333	33,181	0,858	0,952	25421,607	27016,338	-0,491	0,040	508,228	12,006	14,150	4,856	2017-09-18 07:56
16,500	33,358	0,861	0,953	25531,021	27219,803	-0,077	0,041	508,227	12,216	14,090	4,846	2017-09-18 07:56
16,667	33,538	0,861	0,953	25679,621	27385,289	-0,504	0,042	508,228	12,189	14,285	4,879	2017-09-18 07:57
16,833	33,721	0,881	0,955	25853,571	27943,054	-0,501	0,041	508,134	12,033	14,029	4,835	2017-09-18 07:57
17,000	33,903	0,905	0,955	26301,094	28492,002	-0,491	0,041	508,135	11,895	14,277	4,878	2017-09-18 07:57
17,167	34,090	0,906	0,955	26492,010	28097,902	-0,299	0,041	508,228	11,985	14,102	4,848	2017-09-18 07:57
17,333	34,312	0,923	0,957	26604,615	28760,503	-0,282	0,041	508,040	12,400	14,199	4,865	2017-09-18 07:57
17,500	34,574	0,937	0,959	26816,317	28867,426	-0,515	0,041	508,040	12,375	13,993	4,829	2017-09-18 07:57
17,667	34,809	0,938	0,958	26843,794	28827,278	-0,504	0,041	508,040	12,673	14,066	4,842	2017-09-18 07:58
17,833	35,020	0,938	0,961	26882,958	28792,039	-0,525	0,041	507,946	12,487	14,239	4,871	2017-09-18 07:58

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
18,000	0,199	0,202	0,509	0,314	0,356	112,967	18,976	17,445	-16,046	10,241	19,724	19,734	19,374	19,646	68,569	42,024	59,491
18,167	0,199	0,202	0,509	0,313	0,354	113,452	19,044	17,544	-13,755	26,832	19,719	19,726	19,360	19,645	68,562	42,238	59,726
18,333	0,199	0,202	0,509	0,311	0,353	113,759	19,055	16,328	-14,648	22,786	19,713	19,744	19,369	19,646	68,913	42,450	59,922
18,500	0,199	0,202	0,509	0,320	0,358	114,102	18,976	16,293	-15,387	12,365	19,709	19,745	19,376	19,649	68,972	42,647	60,081
18,667	0,199	0,202	0,509	0,318	0,360	114,360	19,091	17,228	-15,704	13,195	19,708	19,740	19,372	19,647	69,447	42,829	60,281
18,833	0,199	0,202	0,509	0,325	0,359	114,599	19,075	18,379	-14,466	18,684	19,705	19,732	19,361	19,645	69,525	43,008	60,434
19,000	0,199	0,202	0,509	0,313	0,353	115,065	19,055	15,880	-13,879	24,850	19,709	19,731	19,372	19,646	69,686	43,172	60,658
19,167	0,199	0,202	0,508	0,319	0,350	115,296	19,112	17,411	-16,007	10,133	19,714	19,757	19,382	19,647	70,040	43,351	60,870
19,333	0,199	0,202	0,508	0,318	0,357	115,555	19,045	16,961	-14,267	19,850	19,719	19,745	19,380	19,653	70,256	43,549	61,088
19,500	0,199	0,202	0,507	0,318	0,354	115,841	19,114	16,055	-14,105	20,821	19,717	19,753	19,377	19,646	70,056	43,751	61,338
19,667	0,199	0,202	0,507	0,317	0,353	116,131	19,201	17,132	-12,579	41,263	19,731	19,760	19,385	19,653	70,521	43,973	61,488
19,833	0,199	0,202	0,507	0,314	0,355	116,390	19,177	13,004	14,276	31,602	19,723	19,749	19,387	19,649	70,729	44,164	61,632
20,000	0,199	0,202	0,507	0,327	0,352	116,505	19,242	16,476	-15,213	20,793	19,722	19,760	19,379	19,646	70,781	44,363	61,866
20,167	0,199	0,202	0,507	0,326	0,354	116,681	19,216	16,586	-14,782	-129,742	19,734	19,765	19,377	19,653	71,343	44,567	62,116
20,334	0,199	0,202	0,507	0,317	0,355	116,974	19,161	19,089	-16,046	15,419	19,734	19,753	19,380	19,650	71,436	44,789	62,348
20,500	0,199	0,202	0,507	0,326	0,350	117,191	19,195	18,604	-14,587	16,037	19,722	19,741	19,370	19,645	71,316	45,000	62,564
20,667	0,199	0,202	0,507	0,330	0,345	117,451	19,170	19,732	-13,645	13,636	19,714	19,740	19,373	19,643	71,554	45,199	62,707
20,834	0,199	0,202	0,506	0,327	0,355	117,674	19,143	16,497	-12,697	26,680	19,719	19,752	19,375	19,642	71,934	45,385	62,831
21,000	0,199	0,202	0,506	0,332	0,353	117,956	19,127	20,435	-30,831	17,292	19,715	19,753	19,377	19,649	72,279	45,567	63,035
21,167	0,199	0,202	0,506	0,332	0,351	118,292	18,938	24,584	-5,036	23,712	19,734	19,753	19,373	19,651	72,489	45,763	63,074
21,334	0,199	0,202	0,506	0,335	0,351	118,551	19,238	22,255	-8,298	17,700	19,709	19,747	19,364	19,642	72,415	45,760	63,194
21,500	0,199	0,202	0,506	0,331	0,354	118,786	19,225	19,916	-9,376	34,308	19,713	19,761	19,372	19,641	72,059	47,037	64,557
21,667	0,199	0,202	0,506	0,330	0,354	119,004	19,200	19,781	-12,172	23,456	19,717	19,748	19,372	19,642	72,380	47,946	64,908
21,834	0,199	0,202	0,506	0,313	0,355	119,270	19,216	-127,620	-66,692	-28,691	19,715	19,747	19,364	19,645	72,569	48,262	65,015
22,000	0,199	0,202	0,505	0,327	0,356	119,580	19,242	17,160	-13,615	24,549	19,713	19,745	19,374	19,647	72,542	48,473	65,251
22,167	0,199	0,202	0,505	0,334	0,355	119,739	19,253	19,886	-35,384	14,255	19,716	19,754	19,379	19,639	72,759	48,690	65,356
22,334	0,199	0,202	0,505	0,326	0,354	119,991	19,249	16,786	-13,974	21,667	19,728	19,765	19,376	19,650	72,701	48,876	65,480
22,500	0,199	0,202	0,505	0,328	0,354	120,293	19,206	16,456	-13,942	19,328	19,714	19,760	19,375	19,641	73,039	49,050	65,630
22,667	0,199	0,202	0,505	0,332	0,352	120,588	19,187	24,766	-6,640	15,683	19,722	19,773	19,384	19,654	73,056	49,223	65,746
22,834	0,199	0,202	0,505	0,325	0,351	120,710	19,178	22,869	-6,662	28,075	19,719	19,758	19,374	19,645	73,202	49,384	65,430
23,000	0,199	0,202	0,504	0,334	0,344	120,882	19,237	19,530	-10,198	27,429	19,720	19,764	19,365	19,642	73,443	49,045	65,145
23,167	0,199	0,202	0,504	0,332	0,356	120,930	19,259	18,489	-12,518	23,747	19,726	19,743	19,369	19,646	73,447	49,062	65,306
23,333	0,199	0,202	0,504	0,330	0,353	120,998	19,241	18,347	-13,412	21,966	19,725	19,764	19,386	19,649	73,696	49,247	65,428
23,500	0,199	0,202	0,504	0,331	0,352	121,237	19,268	17,156	-14,204	20,876	19,715	19,754	19,362	19,639	73,820	49,436	65,558
23,667	0,199	0,202	0,504	0,334	0,353	121,364	19,292	17,712	-14,101	18,026	19,722	19,756	19,373	19,641	73,880	49,637	65,704
23,833	0,199	0,202	0,504	0,349	0,345	121,580	19,300	17,407	-13,950	17,878	19,727	19,760	19,378	19,646	74,122	49,831	65,911
24,000	0,199	0,202	0,504	0,332	0,352	121,583	19,308	17,987	-14,655	14,059	19,723	19,778	19,377	19,651	74,050	50,028	66,040

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
18,000	35,224	0,939	0,959	26872,548	28706,313	-0,515	0,040	507,946	12,563	14,230	4,870	2017-09-18 07:58
18,167	35,423	0,939	0,960	26935,005	28462,520	-0,487	0,041	507,946	12,506	14,145	4,855	2017-09-18 07:58
18,333	35,616	0,940	0,961	26953,251	28645,822	-0,501	0,041	507,853	12,437	14,120	4,851	2017-09-18 07:58
18,500	35,787	0,940	0,962	26977,908	28489,001	-0,299	0,040	507,853	12,783	14,325	4,886	2017-09-18 07:58
18,667	35,953	0,940	0,962	27003,084	28807,515	-0,299	0,040	507,853	12,718	14,392	4,898	2017-09-18 07:59
18,833	36,131	0,941	0,963	27018,195	28733,036	-0,501	0,040	507,853	13,013	14,345	4,890	2017-09-18 07:59
19,000	36,329	0,941	0,964	27060,215	28719,933	-0,508	0,040	507,853	12,526	14,103	4,848	2017-09-18 07:59
19,167	36,535	0,943	0,964	27066,277	28970,766	-0,511	0,041	507,760	12,746	14,012	4,833	2017-09-18 07:59
19,333	36,761	0,943	0,966	27101,166	28985,300	-0,525	0,040	507,760	12,702	14,280	4,879	2017-09-18 07:59
19,500	36,984	0,943	0,966	27128,840	28574,012	-0,518	0,039	507,620	12,729	14,169	4,860	2017-09-18 07:59
19,667	37,207	0,943	0,967	27073,961	28824,004	-0,508	0,039	507,619	12,678	14,107	4,849	2017-09-18 08:00
19,833	37,424	0,944	0,967	27001,048	28863,338	-0,480	0,041	507,620	12,575	14,193	4,864	2017-09-18 08:00
20,000	37,640	0,945	0,968	27057,745	28724,211	-0,480	0,041	507,620	13,065	14,094	4,847	2017-09-18 08:00
20,167	37,855	0,946	0,969	27102,388	29154,717	-0,491	0,041	507,526	13,058	14,176	4,861	2017-09-18 08:00
20,334	38,054	0,945	0,970	27169,768	28995,797	-0,497	0,040	507,526	12,693	14,200	4,865	2017-09-18 08:00
20,500	38,246	0,945	0,970	27206,835	28612,944	-0,497	0,040	507,526	13,031	14,005	4,831	2017-09-18 08:00
20,667	38,442	0,946	0,970	27132,780	28687,741	-0,508	0,040	507,526	13,217	13,801	4,796	2017-09-18 08:01
20,834	38,640	0,947	0,970	27066,914	28934,443	-0,504	0,040	507,432	13,071	14,208	4,866	2017-09-18 08:01
21,000	38,853	0,949	0,972	27088,730	29166,618	-0,508	0,040	507,432	13,272	14,104	4,848	2017-09-18 08:01
21,167	39,080	0,949	1,000	27651,804	29169,678	-0,289	0,040	507,432	13,299	14,022	4,834	2017-09-18 08:01
21,334	39,304	1,010	1,013	27886,103	30984,888	-0,296	0,041	507,339	13,406	14,044	4,838	2017-09-18 08:01
21,500	39,532	1,111	1,013	29217,713	31972,709	-0,272	0,041	507,339	13,236	14,146	4,856	2017-09-18 08:01
21,667	39,757	1,110	1,013	29370,754	31188,876	-0,275	0,041	507,338	13,185	14,169	4,859	2017-09-18 08:02
21,834	39,973	1,111	1,014	29269,778	31043,633	-0,289	0,041	507,338	12,525	14,202	4,865	2017-09-18 08:02
22,000	40,183	1,111	1,015	29315,087	30736,156	-0,292	0,040	507,244	13,083	14,257	4,875	2017-09-18 08:02
22,167	40,384	1,111	1,015	29203,457	30738,749	-0,292	0,041	507,244	13,344	14,218	4,868	2017-09-18 08:02
22,334	40,585	1,111	1,015	29106,288	30419,679	-0,299	0,041	507,151	13,023	14,173	4,860	2017-09-18 08:02
22,500	40,792	1,111	1,015	29047,400	30610,689	-0,303	0,040	507,151	13,139	14,164	4,859	2017-09-18 08:02
22,667	40,989	1,110	1,016	28975,909	30405,569	-0,501	0,040	507,151	13,274	14,077	4,844	2017-09-18 08:03
22,834	41,218	1,110	1,075	29977,496	30384,551	-0,303	0,041	507,151	12,995	14,040	4,837	2017-09-18 08:03
23,000	41,464	1,111	1,095	29865,573	31150,287	-0,286	0,042	507,057	13,342	13,769	4,790	2017-09-18 08:03
23,167	41,739	1,112	1,095	29720,619	31155,760	-0,286	0,042	507,057	13,277	14,249	4,873	2017-09-18 08:03
23,333	41,992	1,110	1,096	29597,167	31193,286	-0,268	0,042	507,057	13,202	14,122	4,851	2017-09-18 08:03
23,500	42,219	1,111	1,097	29473,043	31130,438	-0,275	0,042	507,057	13,235	14,063	4,841	2017-09-18 08:03
23,667	42,436	1,113	1,097	29405,738	30988,586	-0,296	0,042	506,964	13,370	14,103	4,848	2017-09-18 08:04
23,833	42,647	1,113	1,099	29427,756	31065,434	-0,484	0,042	506,964	13,947	13,795	4,795	2017-09-18 08:04
24,000	42,848	1,112	1,100	29370,243	30682,296	-0,497	0,042	506,964	13,295	14,093	4,846	2017-09-18 08:04

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
24,167	0,199	0,202	0,504	0,335	0,356	121,602	19,330	16,256	-13,406	21,346	19,731	19,754	19,377	19,645	74,064	50,208	66,195
24,333	0,199	0,202	0,503	0,327	0,348	121,738	19,332	17,309	-14,366	18,345	19,731	19,764	19,368	19,645	74,508	50,375	66,353
24,500	0,199	0,202	0,503	0,339	0,355	121,913	19,310	15,180	-13,799	26,167	19,727	19,765	19,375	19,642	74,593	50,560	66,478
24,667	0,199	0,202	0,503	0,338	0,355	122,080	19,285	15,572	-15,044	20,704	19,726	19,773	19,375	19,641	74,704	50,746	66,646
24,833	0,199	0,202	0,503	0,333	0,349	122,118	19,334	17,139	-14,538	14,792	19,731	19,764	19,368	19,642	75,082	50,949	66,801
25,000	0,199	0,202	0,503	0,338	0,351	122,280	19,332	19,846	-14,403	13,944	19,718	19,765	19,374	19,642	74,993	51,177	67,018
25,167	0,199	0,202	0,502	0,341	0,354	122,397	19,234	17,095	-15,256	18,705	19,724	19,775	19,381	19,643	75,374	51,429	67,266
25,333	0,199	0,202	0,503	0,333	0,351	122,493	19,322	17,959	-14,805	16,165	19,730	19,769	19,378	19,643	75,309	51,674	67,342
25,500	0,199	0,202	0,502	0,340	0,352	122,657	19,366	17,400	-16,862	12,437	19,728	19,774	19,379	19,643	75,685	51,862	67,502
25,667	0,199	0,202	0,502	0,334	0,353	122,921	19,420	17,602	-12,996	23,600	19,714	19,773	19,372	19,642	75,726	52,060	67,644
25,833	0,199	0,202	0,461	0,338	0,351	123,105	19,347	3,854	-35,100	48,009	19,713	19,787	19,379	19,643	75,742	52,232	67,837
26,000	0,199	0,202	0,461	0,332	0,352	123,281	19,347	30,407	10,149	60,593	19,728	19,773	19,379	19,646	75,820	52,413	67,913
26,167	0,199	0,202	0,465	0,344	0,352	123,465	19,349	33,487	-17,335	52,034	19,728	19,785	19,373	19,646	75,875	52,558	68,071
26,333	0,199	0,202	0,467	0,334	0,347	123,564	19,346	33,244	-9999,000	122,122	19,715	19,781	19,386	19,649	76,231	52,729	68,240
26,500	0,199	0,202	0,460	0,330	0,354	123,756	19,369	23,572	-51,520	40,762	19,727	19,782	19,378	19,643	76,261	52,905	68,388
26,667	0,199	0,202	0,463	0,341	0,357	124,054	19,380	-12,598	-42,939	19,006	19,721	19,789	19,385	19,649	76,249	53,097	68,544
26,833	0,199	0,202	0,469	0,344	0,357	124,473	19,327	15,843	-38,534	15,503	19,736	19,786	19,381	19,653	76,586	53,307	68,639
27,000	0,199	0,202	0,459	0,335	0,353	124,727	19,351	11,835	-32,342	14,245	19,732	19,781	19,378	19,650	76,877	53,498	68,830
27,167	0,199	0,202	0,462	0,348	0,352	125,023	19,339	12,930	-27,909	10,361	19,728	19,768	19,374	19,645	77,066	53,719	69,064
27,334	0,199	0,202	0,460	0,347	0,355	125,320	19,382	20,284	-25,863	5,099	19,735	19,807	19,382	19,655	77,144	53,944	69,302
27,500	0,199	0,202	0,463	0,359	0,349	125,439	19,389	28,748	-21,435	19,424	19,722	19,800	19,370	19,649	77,317	54,168	69,476
27,667	0,199	0,202	0,459	0,349	0,352	125,559	19,374	21,335	-20,282	16,399	19,735	19,797	19,386	19,658	77,476	54,348	69,656
27,834	0,199	0,202	0,465	0,361	0,350	125,889	19,388	21,331	-20,727	14,739	19,743	19,794	19,390	19,655	77,554	54,532	69,858
28,000	0,199	0,202	0,458	0,337	0,354	126,163	19,384	23,798	-18,189	18,031	19,735	19,791	19,369	19,653	77,933	54,717	69,971
28,167	0,199	0,202	0,458	0,352	0,353	126,415	19,388	35,209	-17,993	14,251	19,725	19,799	19,384	19,655	77,884	54,881	70,174
28,334	0,199	0,202	0,458	0,344	0,351	126,572	19,395	18,385	-19,272	11,637	19,739	19,800	19,386	19,647	78,191	55,069	70,391
28,500	0,199	0,202	0,445	0,350	0,351	126,844	19,403	15,230	-15,574	33,691	19,731	19,799	19,385	19,649	78,173	55,263	70,535
28,667	0,199	0,202	0,444	0,349	0,353	127,291	19,339	25,562	-18,963	24,908	19,724	19,790	19,376	19,646	78,570	55,453	70,766
28,834	0,199	0,202	0,444	0,360	0,351	127,604	19,391	23,881	-19,769	19,085	19,718	19,802	19,368	19,647	78,647	55,662	70,912
29,000	0,199	0,202	0,444	0,360	0,352	127,834	19,377	32,076	-23,464	21,177	19,742	19,817	19,378	19,653	79,076	55,871	71,105
29,167	0,199	0,202	0,449	0,349	0,349	127,957	19,513	51,495	-17,823	-74,227	19,730	19,811	19,384	19,655	79,262	56,076	71,283
29,334	0,199	0,202	0,469	0,356	0,356	127,985	19,445	36,534	-11,396	36,250	19,731	19,806	19,384	19,655	79,285	56,282	71,508
29,500	0,199	0,202	0,475	0,360	0,354	128,097	19,427	25,091	-53,567	30,017	19,742	19,795	19,372	19,653	79,410	56,476	71,747
29,667	0,199	0,202	0,488	0,353	0,353	128,265	19,415	29,694	-34,952	13,618	19,750	19,816	19,394	19,661	79,479	56,673	71,870
29,833	0,199	0,202	0,488	0,351	0,354	128,355	19,427	40,060	-19,441	13,225	19,745	19,807	19,380	19,651	79,835	56,830	71,998
30,000	0,199	0,202	0,488	0,348	0,355	128,504	19,450	26,241	-24,439	14,784	19,742	19,815	19,397	19,655	79,884	57,006	72,194
30,167	0,199	0,202	0,488	0,350	0,349	128,656	19,410	28,980	1,693	16,434	19,718	19,811	19,380	19,653	80,162	57,186	72,368

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
24,167	43,048	1,112	1,100	29309,368	30462,821	-0,268	0,042	506,964	13,388	14,237	4,871	2017-09-18 08:04
24,333	43,279	1,110	1,099	29200,575	30759,520	-0,466	0,042	506,822	13,092	13,922	4,817	2017-09-18 08:04
24,500	43,518	1,111	1,099	29034,922	30667,592	-0,484	0,041	506,822	13,567	14,200	4,865	2017-09-18 08:04
24,667	43,798	1,111	1,101	28943,602	30568,842	-0,272	0,042	506,822	13,539	14,189	4,863	2017-09-18 08:05
24,833	44,101	1,112	1,101	28757,544	30812,493	-0,497	0,042	506,822	13,304	13,948	4,821	2017-09-18 08:05
25,000	44,369	1,111	1,102	28718,349	30381,561	-0,480	0,042	506,819	13,535	14,027	4,835	2017-09-18 08:05
25,167	44,618	1,111	1,102	28720,111	30547,162	-0,480	0,042	506,635	13,646	14,177	4,861	2017-09-18 08:05
25,333	44,847	1,111	1,102	28521,025	30145,256	-0,494	0,041	506,729	13,329	14,023	4,834	2017-09-18 08:05
25,500	45,055	1,111	1,102	28456,669	30372,066	-0,487	0,041	506,635	13,594	14,087	4,845	2017-09-18 08:05
25,667	45,236	1,110	1,102	28411,910	30161,100	-0,480	0,041	506,635	13,368	14,140	4,854	2017-09-18 08:06
25,833	45,408	1,110	1,102	28430,249	29941,137	-0,477	0,042	498,861	13,527	14,057	4,840	2017-09-18 08:06
26,000	45,593	1,110	1,103	28306,191	29810,897	-0,466	0,041	498,860	13,287	14,093	4,847	2017-09-18 08:06
26,167	45,794	1,111	1,103	28271,586	29733,271	-0,491	0,042	499,712	13,770	14,100	4,848	2017-09-18 08:06
26,333	46,013	1,110	1,103	28208,585	29928,519	-0,494	0,042	500,032	13,379	13,875	4,809	2017-09-18 08:06
26,500	46,254	1,110	1,103	28079,188	29753,180	-0,477	0,042	498,767	13,185	14,143	4,855	2017-09-18 08:06
26,667	46,505	1,109	1,103	27963,272	29460,123	-0,491	0,041	499,235	13,639	14,286	4,879	2017-09-18 08:07
26,833	46,766	1,111	1,106	27817,828	29669,986	-0,494	0,042	500,357	13,773	14,290	4,880	2017-09-18 08:07
27,000	47,005	1,110	1,107	27789,058	29781,658	-0,473	0,042	498,627	13,391	14,108	4,849	2017-09-18 08:07
27,167	47,228	1,110	1,107	27784,387	29717,592	-0,501	0,041	499,142	13,912	14,086	4,845	2017-09-18 08:07
27,334	47,432	1,110	1,106	27809,106	29529,394	-0,497	0,041	498,767	13,869	14,191	4,863	2017-09-18 08:07
27,500	47,627	1,110	1,107	27799,332	29461,349	-0,504	0,042	499,329	14,343	13,972	4,826	2017-09-18 08:07
27,667	47,806	1,110	1,107	27794,537	29434,325	-0,518	0,042	498,533	13,970	14,067	4,842	2017-09-18 08:08
27,834	47,997	1,110	1,107	27804,259	29293,127	-0,515	0,042	499,658	14,436	14,016	4,833	2017-09-18 08:08
28,000	48,195	1,110	1,108	27730,623	29542,736	-0,504	0,041	498,439	13,479	14,163	4,859	2017-09-18 08:08
28,167	48,394	1,111	1,108	27734,766	29306,347	-0,497	0,042	498,439	14,087	14,101	4,848	2017-09-18 08:08
28,334	48,617	1,110	1,109	27742,315	29417,738	-0,497	0,041	498,346	13,751	14,029	4,835	2017-09-18 08:08
28,500	48,842	1,110	1,109	27639,056	29143,252	-0,487	0,041	495,857	13,997	14,042	4,838	2017-09-18 08:08
28,667	49,072	1,109	1,108	27617,867	29378,030	-0,477	0,041	495,765	13,974	14,131	4,853	2017-09-18 08:09
28,834	49,295	1,109	1,110	27566,863	29205,418	-0,497	0,042	495,764	14,419	14,039	4,837	2017-09-18 08:09
29,000	49,514	1,111	1,110	27537,074	29533,101	-0,480	0,041	495,763	14,383	14,099	4,847	2017-09-18 08:09
29,167	49,721	1,111	1,110	27495,161	29524,761	-0,477	0,041	496,748	13,945	13,955	4,823	2017-09-18 08:09
29,334	49,915	1,109	1,111	27548,742	29234,071	-0,501	0,041	500,486	14,228	14,242	4,872	2017-09-18 08:09
29,500	50,101	1,109	1,111	27615,072	29152,361	-0,470	0,041	501,623	14,415	14,155	4,857	2017-09-18 08:09
29,667	50,287	1,109	1,111	27523,392	28983,238	-0,501	0,041	504,058	14,116	14,139	4,854	2017-09-18 08:10
29,833	50,477	1,111	1,112	27475,081	29272,097	-0,501	0,041	503,968	14,033	14,157	4,858	2017-09-18 08:10
30,000	50,681	1,110	1,112	27474,485	29100,047	-0,497	0,041	504,062	13,908	14,207	4,866	2017-09-18 08:10
30,167	50,895	1,110	1,113	27430,393	29211,395	-0,497	0,041	504,062	14,019	13,971	4,825	2017-09-18 08:10

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
30,333	0,199	0,202	0,488	0,351	0,350	128,891	19,401	56,092	-11,887	12,825	19,734	19,802	19,382	19,653	80,386	57,382	72,586
30,500	0,199	0,202	0,488	0,342	0,353	129,027	19,372	40,694	-14,072	6,405	19,722	19,812	19,393	19,654	80,672	57,574	72,824
30,667	0,199	0,202	0,487	0,353	0,355	129,150	19,365	34,132	-36,406	18,060	19,736	19,815	19,378	19,658	80,677	57,793	73,037
30,833	0,199	0,202	0,488	0,351	0,355	129,234	19,378	41,983	-30,440	13,927	19,717	19,824	19,377	19,657	80,942	58,004	73,229
31,000	0,199	0,202	0,487	0,355	0,354	129,246	19,384	28,380	-23,269	20,089	19,725	19,828	19,388	19,658	81,181	58,196	73,425
31,167	0,199	0,202	0,488	0,353	0,352	129,150	19,269	29,025	-22,004	16,984	19,729	19,819	19,369	19,655	81,625	58,387	73,623
31,333	0,199	0,202	0,487	0,345	0,355	129,085	19,312	36,835	-20,739	9,652	19,736	19,819	19,386	19,657	81,654	58,589	73,887
31,500	0,199	0,202	0,491	0,358	0,358	129,142	19,338	39,530	-18,725	19,466	19,739	19,816	19,368	19,654	81,872	58,798	74,056
31,667	0,199	0,202	0,490	0,357	0,351	129,266	19,352	28,309	-16,804	24,644	19,740	19,817	19,394	19,654	82,151	58,984	74,258
31,833	0,199	0,202	0,488	0,359	0,353	129,124	19,373	37,383	-16,699	19,427	19,730	19,829	19,377	19,657	81,997	59,161	74,447
32,000	0,199	0,202	0,486	0,352	0,349	128,851	19,357	41,965	-16,621	16,696	19,718	19,828	19,389	19,658	82,267	59,349	74,601
32,167	0,199	0,202	0,489	0,358	0,353	128,736	19,338	45,729	-16,058	20,954	19,727	19,840	19,381	19,658	82,572	59,527	74,831
32,333	0,199	0,202	0,499	0,346	0,349	128,624	19,347	36,493	-17,084	17,401	19,736	19,836	19,389	19,658	82,568	59,721	75,007
32,500	0,199	0,202	0,486	0,354	0,348	128,484	19,333	42,815	-6,231	21,003	19,731	19,841	19,368	19,661	82,754	59,922	75,167
32,667	0,199	0,202	0,513	0,355	0,353	128,456	19,367	33,707	-19,359	27,929	19,746	19,829	19,396	19,666	82,926	60,107	75,260
32,833	0,199	0,202	0,527	0,353	0,354	128,344	19,349	32,456	-19,464	22,348	19,751	19,850	19,386	19,669	83,112	60,279	75,378
33,000	0,199	0,202	0,527	0,343	0,354	128,281	19,326	24,516	-6,286	5,268	19,727	19,835	19,392	19,665	82,885	60,443	75,539
33,167	0,199	0,202	0,527	0,355	0,356	128,114	19,364	34,427	5,314	22,921	19,746	19,846	19,384	19,662	83,354	60,629	75,665
33,333	0,199	0,202	0,527	0,356	0,359	127,895	19,381	33,943	-2,263	23,698	19,739	19,851	19,384	19,661	83,247	60,792	75,817
33,500	0,199	0,202	0,527	0,347	0,350	127,782	19,208	33,044	-5,124	25,596	19,747	19,856	19,408	19,680	83,523	60,972	75,977
33,667	0,199	0,202	0,526	0,354	0,348	127,582	19,303	32,513	-3,409	28,816	19,748	19,832	19,392	19,670	83,528	61,146	76,089
33,834	0,199	0,202	0,526	0,341	0,350	127,346	19,315	29,987	9,995	29,334	19,751	19,860	19,397	19,673	83,720	61,312	75,291
34,000	0,199	0,202	0,526	0,351	0,354	127,177	19,287	29,310	4,321	40,214	19,753	19,857	19,398	19,679	83,288	60,482	74,786
34,167	0,199	0,202	0,526	0,358	0,352	126,955	19,300	28,120	-3,602	31,554	19,746	19,844	19,396	19,666	82,969	62,310	76,243
34,334	0,199	0,202	0,526	0,343	0,356	126,821	19,308	32,868	-6,555	29,264	19,760	19,860	19,397	19,677	82,834	62,868	76,296
34,500	0,199	0,202	0,527	0,350	0,353	126,726	19,174	33,131	-10,076	30,397	19,755	19,865	19,402	19,674	82,768	62,817	75,097
34,667	0,199	0,202	0,526	0,354	0,356	126,549	19,239	38,317	-10,608	24,812	19,759	19,875	19,384	19,678	82,796	62,177	75,151
34,834	0,199	0,202	0,526	0,348	0,357	126,266	19,257	33,939	-11,439	25,322	19,742	19,866	19,383	19,669	82,249	63,392	75,757
35,000	0,199	0,202	0,526	0,343	0,359	125,985	19,283	33,343	-30,181	39,616	19,738	19,858	19,388	19,666	81,880	63,629	75,647
35,167	0,199	0,202	0,526	0,349	0,357	125,793	19,188	35,270	-25,282	35,585	19,753	19,879	19,415	19,682	81,978	64,112	75,861
35,334	0,199	0,202	0,526	0,349	0,356	125,659	19,192	33,245	-16,607	32,416	19,739	19,882	19,400	19,674	81,600	64,296	75,791
35,500	0,209	0,313	0,526	0,355	0,348	125,500	19,252	5,924	-27,332	-19,560	19,746	19,862	19,393	19,669	81,165	64,418	75,742
35,667	0,213	0,656	0,526	0,354	0,351	125,345	19,281	14,156	-25,104	-19,100	19,743	19,871	19,385	19,675	81,325	64,525	75,622
35,834	0,212	0,673	0,526	0,348	0,351	125,196	19,270	24,502	-25,057	1,464	19,735	19,862	19,380	19,669	81,269	64,700	75,598
36,000	0,211	0,677	0,526	0,354	0,351	125,072	19,179	21,095	-22,288	-2,115	19,755	19,867	19,393	19,675	80,937	64,810	75,566
36,167	0,212	0,671	0,525	0,342	0,355	124,993	19,129	17,991	-18,169	7,645	19,755	19,866	19,400	19,671	80,856	64,810	75,447
36,334	0,217	0,643	0,525	0,346	0,352	124,847	19,210	46,922	-20,209	10,271	19,733	19,872	19,389	19,666	80,463	64,686	75,131

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
30,333	51,110	1,110	1,114	27454,678	29258,150	-0,480	0,041	503,969	14,042	14,012	4,832	2017-09-18 08:10
30,500	51,318	1,110	1,113	27465,006	29358,001	-0,487	0,040	503,969	13,672	14,134	4,854	2017-09-18 08:10
30,667	51,532	1,110	1,114	27489,602	29086,538	-0,497	0,040	503,827	14,114	14,198	4,864	2017-09-18 08:11
30,833	51,744	1,110	1,114	27465,656	29148,034	-0,494	0,040	503,968	14,056	14,199	4,865	2017-09-18 08:11
31,000	51,950	1,108	1,113	27428,841	29171,519	-0,501	0,039	503,826	14,188	14,172	4,860	2017-09-18 08:11
31,167	52,148	1,109	1,113	27431,798	29506,080	-0,511	0,041	503,968	14,105	14,087	4,845	2017-09-18 08:11
31,333	52,334	1,108	1,113	27526,202	29267,504	-0,511	0,041	503,827	13,806	14,206	4,866	2017-09-18 08:11
31,500	52,527	1,109	1,113	27498,081	29294,430	-0,491	0,041	504,624	14,335	14,322	4,886	2017-09-18 08:11
31,667	52,713	1,109	1,114	27528,724	29397,550	-0,477	0,041	504,343	14,281	14,046	4,838	2017-09-18 08:12
31,833	52,908	1,108	1,114	27518,730	28971,122	-0,491	0,041	504,063	14,341	14,135	4,854	2017-09-18 08:12
32,000	53,114	1,109	1,114	27452,737	29101,938	-0,491	0,041	503,640	14,063	13,976	4,826	2017-09-18 08:12
32,167	53,324	1,110	1,115	27511,679	29266,083	-0,484	0,040	504,156	14,317	14,101	4,848	2017-09-18 08:12
32,333	53,526	1,109	1,114	27450,867	29007,642	-0,480	0,040	506,030	13,838	13,953	4,822	2017-09-18 08:12
32,500	53,730	1,110	1,116	27426,166	28993,711	-0,484	0,040	503,546	14,171	13,903	4,814	2017-09-18 08:12
32,667	53,936	1,109	1,116	27287,401	28943,823	-0,501	0,040	508,650	14,185	14,110	4,849	2017-09-18 08:13
32,833	54,141	1,108	1,115	27157,714	28953,342	-0,477	0,040	511,230	14,105	14,164	4,859	2017-09-18 08:13
33,000	54,336	1,109	1,116	27126,867	28474,102	-0,484	0,040	511,231	13,737	14,144	4,855	2017-09-18 08:13
33,167	54,529	1,107	1,116	27038,982	28790,403	-0,466	0,039	511,230	14,204	14,251	4,874	2017-09-18 08:13
33,333	54,722	1,108	1,115	26972,811	28471,549	-0,470	0,040	511,230	14,229	14,371	4,894	2017-09-18 08:13
33,500	54,914	1,108	1,116	26942,293	28568,862	-0,466	0,041	511,323	13,867	13,986	4,828	2017-09-18 08:13
33,667	55,103	1,107	1,114	26808,019	28336,420	-0,473	0,041	511,137	14,162	13,938	4,820	2017-09-18 08:14
33,834	55,366	1,107	1,238	28275,639	28380,517	-0,477	0,041	511,137	13,654	14,013	4,833	2017-09-18 08:14
34,000	55,623	1,222	1,343	29496,835	31870,801	-0,497	0,041	511,137	14,048	14,164	4,859	2017-09-18 08:14
34,167	55,866	1,398	1,344	31387,687	32999,640	-0,497	0,041	511,137	14,325	14,087	4,845	2017-09-18 08:14
34,334	56,094	1,399	1,346	31158,612	31905,432	-0,470	0,041	511,137	13,716	14,252	4,874	2017-09-18 08:14
34,500	56,363	1,399	1,509	32374,105	31892,139	-0,473	0,041	511,230	13,996	14,130	4,853	2017-09-18 08:14
34,667	56,603	1,492	1,567	33294,725	35163,636	-0,515	0,041	511,136	14,156	14,222	4,869	2017-09-18 08:15
34,834	56,828	1,599	1,566	33946,324	34450,775	-0,515	0,042	511,043	13,900	14,295	4,881	2017-09-18 08:15
35,000	57,028	1,606	1,566	33391,130	33485,188	-0,511	0,042	511,043	13,735	14,341	4,889	2017-09-18 08:15
35,167	57,221	1,678	1,566	33417,003	34223,984	-0,497	0,041	511,043	13,978	14,263	4,876	2017-09-18 08:15
35,334	57,406	1,681	1,565	32937,388	33213,779	-0,477	0,041	511,043	13,943	14,246	4,873	2017-09-18 08:15
35,500	57,714	1,680	1,562	32230,440	32117,808	64,273	2,832	511,043	14,200	13,929	4,818	2017-09-18 08:15
35,667	58,010	1,680	1,563	31512,533	32226,285	89,814	11,404	511,043	14,170	14,037	4,837	2017-09-18 08:16
35,834	58,117	1,682	1,564	31300,152	31813,024	83,578	11,817	511,043	13,927	14,025	4,835	2017-09-18 08:16
36,000	58,163	1,685	1,566	31188,616	31014,107	76,455	11,936	511,042	14,142	14,059	4,841	2017-09-18 08:16
36,167	58,227	1,685	1,563	30806,391	30854,432	82,118	11,774	510,949	13,660	14,181	4,862	2017-09-18 08:16
36,334	58,092	1,682	1,613	31462,302	30284,007	113,746	11,071	510,949	13,859	14,081	4,844	2017-09-18 08:16

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
36,500	0,220	0,643	0,525	0,346	0,352	124,708	19,219	30,125	-7,679	13,747	19,745	19,859	19,418	19,670	80,426	64,460	74,585
36,667	0,217	0,660	0,525	0,349	0,350	124,607	19,230	32,335	-11,063	22,005	19,745	19,862	19,388	19,670	80,904	64,015	74,288
36,833	0,218	0,655	0,525	0,349	0,358	124,475	19,219	21,594	-12,978	16,750	19,742	19,867	19,403	19,670	80,845	63,953	74,257
37,000	0,218	0,651	0,525	0,339	0,354	124,292	19,209	27,182	-12,589	13,965	19,760	19,883	19,396	19,679	80,534	63,894	74,235
37,167	0,220	0,636	0,525	0,337	0,360	124,157	19,214	31,072	-12,812	18,973	19,750	19,874	19,372	19,666	80,345	63,833	74,173
37,333	0,218	0,629	0,525	0,354	0,355	124,146	19,244	30,245	-14,589	26,929	19,738	19,862	19,386	19,667	80,441	63,832	74,075
37,500	0,216	0,660	0,525	0,346	0,350	124,208	19,249	26,461	-15,874	23,647	19,751	19,871	19,404	19,673	80,405	63,830	74,058
37,667	0,217	0,679	0,525	0,345	0,353	124,235	19,226	20,206	-16,397	18,589	19,754	19,878	19,392	19,671	80,108	63,907	74,073
37,833	0,215	0,686	0,525	0,345	0,355	124,283	19,214	20,604	-13,186	9,965	19,753	19,871	19,405	19,679	79,896	63,995	74,060
38,000	0,214	0,686	0,524	0,342	0,353	124,222	19,206	27,539	-14,978	21,910	19,747	19,876	19,388	19,671	80,434	64,039	73,999
38,167	0,214	0,692	0,524	0,345	0,353	124,284	19,223	20,547	-13,300	14,468	19,756	19,878	19,381	19,673	80,040	64,105	74,183
38,333	0,216	0,698	0,524	0,361	0,352	124,310	19,222	26,900	-13,847	23,608	19,757	19,887	19,409	19,684	80,186	64,163	74,112
38,500	0,213	0,674	0,524	0,354	0,354	124,290	19,223	19,492	-14,126	16,724	19,766	19,877	19,389	19,675	79,994	64,125	74,034
38,667	0,215	0,674	0,524	0,352	0,353	124,339	19,247	25,269	-15,260	22,786	19,751	19,898	19,408	19,679	80,216	64,073	74,058
38,833	0,215	0,644	0,524	0,349	0,351	124,431	19,254	19,021	-13,509	12,222	19,762	19,896	19,401	19,688	80,069	64,005	74,066
39,000	0,215	0,653	0,524	0,352	0,358	124,505	19,242	21,527	-13,828	19,997	19,767	19,875	19,391	19,678	80,151	63,886	73,956
39,167	0,219	0,699	0,523	0,354	0,353	124,662	19,214	22,238	-15,386	15,877	19,750	19,886	19,392	19,679	80,123	63,821	73,954
39,333	0,220	0,697	0,523	0,347	0,352	124,742	19,171	21,724	-14,188	17,727	19,774	19,899	19,397	19,688	80,274	63,751	73,930
39,500	0,214	0,675	0,523	0,350	0,351	124,854	19,164	24,839	-14,400	23,491	19,767	19,894	19,401	19,679	80,165	63,709	73,954
39,667	0,219	0,684	0,523	0,351	0,358	124,964	19,170	20,450	-15,021	17,715	19,762	19,891	19,406	19,684	80,139	63,670	73,954
39,833	0,221	0,686	0,523	0,341	0,355	124,997	19,187	19,227	-13,368	12,565	19,766	19,895	19,404	19,683	79,718	63,620	73,926
40,000	0,224	0,674	0,523	0,353	0,357	125,010	19,178	22,630	-14,535	20,327	19,747	19,894	19,396	19,678	79,864	63,592	73,884
40,167	0,220	0,674	0,523	0,348	0,354	125,099	19,174	22,130	-13,673	14,925	19,755	19,902	19,408	19,688	80,348	63,525	73,783
40,333	0,219	0,660	0,523	0,345	0,354	125,154	19,205	22,330	-15,888	23,031	19,778	19,912	19,408	19,690	80,086	63,425	73,857
40,500	0,221	0,661	0,523	0,354	0,349	125,170	19,155	19,456	-13,539	15,086	19,760	19,895	19,395	19,683	80,042	63,385	73,831
40,667	0,217	0,664	0,522	0,343	0,348	125,218	19,175	24,721	-13,568	20,637	19,751	19,879	19,396	19,679	79,955	63,252	73,727
40,834	0,217	0,682	0,522	0,347	0,352	125,236	19,188	18,556	-12,266	10,947	19,751	19,894	19,388	19,677	80,086	63,163	73,694
41,000	0,216	0,683	0,522	0,348	0,355	125,361	19,218	25,308	-13,417	24,894	19,749	19,904	19,408	19,680	79,977	63,081	73,673
41,167	0,214	0,686	0,522	0,345	0,357	125,387	19,172	21,764	-15,125	24,410	19,768	19,899	19,404	19,684	79,974	62,994	73,650
41,334	0,215	0,681	0,522	0,344	0,348	125,400	19,193	20,334	-14,160	19,049	19,764	19,903	19,400	19,679	79,932	62,921	73,605
41,500	0,219	0,671	0,522	0,346	0,352	125,476	19,181	26,251	-13,228	18,236	19,758	19,883	19,392	19,678	79,868	62,847	73,528
41,667	0,222	0,666	0,522	0,363	0,352	125,549	19,193	26,335	-15,445	24,930	19,760	19,884	19,406	19,678	79,945	62,742	73,421
41,834	0,217	0,672	0,522	0,351	0,359	125,662	19,222	19,745	-13,358	12,446	19,796	19,916	19,414	19,698	79,754	62,688	73,432
42,000	0,215	0,689	0,522	0,350	0,354	125,798	19,227	25,174	-15,242	27,579	19,760	19,900	19,405	19,686	79,575	62,661	73,432
42,167	0,214	0,708	0,522	0,355	0,353	125,901	19,230	20,749	-13,886	13,992	19,770	19,898	19,414	19,690	79,491	62,562	73,322
42,334	0,215	0,682	0,522	0,355	0,356	125,856	19,230	24,607	-15,939	24,366	19,775	19,907	19,416	19,692	79,484	62,470	73,289
42,500	0,216	0,660	0,521	0,357	0,359	125,888	19,223	21,605	-15,674	16,206	19,780	19,896	19,410	19,690	79,822	62,396	73,220

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
36,500	58,066	1,679	1,663	31445,732	30592,041	132,178	11,069	510,949	13,833	14,096	4,847	2017-09-18 08:16
36,667	58,051	1,679	1,720	31965,820	32369,405	112,673	11,503	510,949	13,944	14,009	4,832	2017-09-18 08:17
36,833	57,940	1,682	1,725	32216,074	32435,914	118,607	11,382	510,949	13,955	14,332	4,887	2017-09-18 08:17
37,000	57,915	1,682	1,722	32167,274	31955,523	117,342	11,270	510,949	13,571	14,168	4,859	2017-09-18 08:17
37,167	57,966	1,680	1,722	31935,642	31676,021	135,166	10,893	510,949	13,477	14,383	4,896	2017-09-18 08:17
37,333	58,050	1,682	1,718	31515,835	31895,459	119,639	10,724	510,856	14,162	14,198	4,864	2017-09-18 08:17
37,500	58,161	1,682	1,720	31296,415	31838,180	110,001	11,503	510,856	13,850	14,017	4,833	2017-09-18 08:17
37,667	58,285	1,683	1,722	31105,369	31127,841	113,374	11,970	510,856	13,788	14,138	4,854	2017-09-18 08:18
37,833	58,403	1,682	1,720	30819,528	30533,713	101,203	12,149	510,855	13,803	14,216	4,868	2017-09-18 08:18
38,000	58,464	1,682	1,715	30489,402	31480,131	93,667	12,156	510,762	13,669	14,132	4,853	2017-09-18 08:18
38,167	58,507	1,683	1,715	30762,123	30610,421	98,462	12,310	510,762	13,807	14,106	4,849	2017-09-18 08:18
38,333	58,486	1,682	1,712	30613,348	30764,930	106,182	12,457	510,762	14,452	14,067	4,842	2017-09-18 08:18
38,500	58,380	1,681	1,712	30659,940	30449,584	91,989	11,860	510,762	14,140	14,179	4,861	2017-09-18 08:18
38,667	58,211	1,681	1,710	31012,323	30984,396	103,288	11,846	510,762	14,062	14,104	4,848	2017-09-18 08:19
38,833	58,085	1,682	1,712	31309,645	30855,203	102,583	11,091	510,762	13,949	14,039	4,837	2017-09-18 08:19
39,000	57,959	1,683	1,706	31233,066	31254,941	104,775	11,336	510,762	14,072	14,301	4,882	2017-09-18 08:19
39,167	57,856	1,683	1,705	31408,692	31335,523	126,963	12,483	510,622	14,169	14,127	4,852	2017-09-18 08:19
39,333	57,806	1,682	1,704	31450,915	31733,374	131,918	12,419	510,622	13,880	14,097	4,847	2017-09-18 08:19
39,500	57,735	1,682	1,705	31654,308	31598,148	97,451	11,863	510,622	14,001	14,042	4,838	2017-09-18 08:19
39,667	57,678	1,684	1,704	31741,486	31659,961	129,253	12,107	510,528	14,043	14,310	4,884	2017-09-18 08:20
39,833	57,645	1,683	1,703	31744,969	30940,496	139,371	12,148	510,529	13,657	14,201	4,865	2017-09-18 08:20
40,000	57,549	1,682	1,702	31822,212	31250,591	157,219	11,855	510,528	14,137	14,273	4,877	2017-09-18 08:20
40,167	57,420	1,680	1,703	31909,790	32282,884	133,801	11,859	510,528	13,929	14,161	4,858	2017-09-18 08:20
40,333	57,320	1,682	1,700	32190,698	32000,786	129,697	11,501	510,528	13,785	14,153	4,857	2017-09-18 08:20
40,500	57,152	1,683	1,700	32469,790	32017,906	138,328	11,521	510,529	14,158	13,979	4,827	2017-09-18 08:20
40,667	57,036	1,680	1,699	32465,110	32058,088	116,335	11,610	510,435	13,737	13,904	4,814	2017-09-18 08:21
40,834	56,888	1,680	1,702	32750,876	32478,885	111,397	12,043	510,434	13,894	14,099	4,848	2017-09-18 08:21
41,000	56,769	1,683	1,698	32877,673	32475,424	108,173	12,085	510,435	13,913	14,210	4,867	2017-09-18 08:21
41,167	56,689	1,682	1,700	33028,065	32622,637	96,846	12,144	510,435	13,800	14,273	4,877	2017-09-18 08:21
41,334	56,584	1,681	1,697	33083,844	32664,129	101,221	12,026	510,434	13,753	13,903	4,814	2017-09-18 08:21
41,500	56,499	1,680	1,697	33095,896	32664,864	124,194	11,773	510,434	13,857	14,090	4,846	2017-09-18 08:21
41,667	56,452	1,679	1,696	32969,946	33002,097	144,596	11,658	510,342	14,527	14,064	4,842	2017-09-18 08:22
41,834	56,381	1,681	1,698	33169,662	32776,981	113,649	11,804	510,342	14,027	14,351	4,891	2017-09-18 08:22
42,000	56,232	1,682	1,697	33427,728	32502,904	99,598	12,233	510,341	14,011	14,158	4,858	2017-09-18 08:22
42,167	56,126	1,681	1,700	33477,586	32521,400	94,036	12,707	510,341	14,180	14,127	4,852	2017-09-18 08:22
42,334	56,031	1,679	1,697	33549,012	32634,481	100,783	12,049	510,341	14,220	14,231	4,870	2017-09-18 08:22
42,500	55,932	1,682	1,698	33619,969	33484,150	111,057	11,496	510,247	14,297	14,343	4,889	2017-09-18 08:22

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
42,667	0,218	0,650	0,521	0,345	0,351	125,973	19,204	19,238	-14,910	17,391	19,766	19,912	19,416	19,687	79,837	62,314	73,203
42,834	0,215	0,665	0,521	0,347	0,353	125,998	19,236	24,469	-13,934	21,103	19,760	19,906	19,413	19,684	79,748	62,243	73,163
43,000	0,218	0,685	0,521	0,351	0,353	126,055	19,231	18,031	-13,651	12,501	19,759	19,907	19,410	19,688	79,854	62,168	73,145
43,167	0,216	0,712	0,521	0,355	0,351	126,176	19,237	22,902	-13,606	12,241	19,772	19,903	19,413	19,691	79,642	62,134	73,160
43,333	0,217	0,697	0,521	0,350	0,350	126,369	19,225	27,444	-12,370	20,653	19,765	19,914	19,421	19,695	79,607	62,096	73,089
43,500	0,222	0,711	0,521	0,339	0,351	126,499	19,166	26,291	-14,308	26,493	19,766	19,903	19,426	19,683	79,308	62,012	73,001
43,667	0,219	0,692	0,521	0,360	0,357	126,561	19,188	22,355	-15,065	19,084	19,767	19,917	19,412	19,684	79,602	61,969	72,951
43,833	0,219	0,667	0,521	0,344	0,352	126,599	19,213	20,906	-15,212	20,612	19,755	19,900	19,395	19,680	79,225	61,908	72,861
44,000	0,217	0,678	0,521	0,346	0,360	126,630	19,204	16,469	-15,800	16,602	19,759	19,905	19,392	19,683	79,170	61,841	72,832
44,167	0,217	0,682	0,520	0,348	0,354	126,668	19,180	21,288	-12,801	15,536	19,776	19,900	19,408	19,690	79,287	61,794	72,747
44,333	0,220	0,685	0,520	0,344	0,353	126,627	19,218	23,280	-13,025	15,185	19,768	19,911	19,401	19,690	79,282	61,706	72,769
44,500	0,217	0,695	0,520	0,352	0,357	126,735	19,255	26,146	-13,189	19,263	19,788	19,926	19,415	19,707	79,438	61,677	72,774
44,667	0,223	0,686	0,520	0,362	0,355	126,795	19,245	25,475	-15,951	27,809	19,758	19,905	19,391	19,679	79,285	61,615	72,669
44,833	0,227	0,698	0,520	0,351	0,354	126,928	19,261	18,844	-13,307	11,740	19,763	19,904	19,406	19,683	79,231	61,588	72,694
45,000	0,224	0,680	0,520	0,347	0,355	127,129	19,233	24,715	-13,157	21,764	19,775	19,903	19,413	19,694	79,228	61,553	72,655
45,167	0,223	0,681	0,520	0,348	0,358	127,204	19,239	24,172	-16,023	25,635	19,768	19,908	19,408	19,690	79,465	61,476	72,554
45,333	0,221	0,661	0,520	0,353	0,354	127,342	19,254	17,679	-15,602	19,968	19,771	19,924	19,408	19,692	79,255	61,447	72,631
45,500	0,223	0,651	0,520	0,350	0,354	127,578	19,252	20,410	-13,190	12,154	19,767	19,911	19,418	19,683	79,371	61,481	72,550
45,667	0,220	0,669	0,519	0,360	0,351	127,825	19,260	23,108	-13,016	16,599	19,770	19,929	19,430	19,698	79,190	61,435	72,586
45,833	0,220	0,689	0,520	0,355	0,352	128,102	19,261	27,235	-12,850	21,271	19,768	19,916	19,416	19,690	79,206	61,420	72,497
46,000	0,223	0,706	0,519	0,354	0,357	128,371	19,257	25,811	-15,478	27,641	19,773	19,908	19,414	19,683	79,297	61,355	72,424
46,167	0,219	0,694	0,519	0,356	0,353	128,507	19,252	21,591	-15,496	20,868	19,770	19,909	19,389	19,680	79,386	61,330	72,508
46,333	0,215	0,709	0,519	0,352	0,347	128,672	19,300	17,389	-14,281	15,696	19,772	19,904	19,405	19,684	79,309	61,334	72,528
46,500	0,220	0,697	0,519	0,351	0,356	128,892	19,312	24,534	-14,050	22,579	19,773	19,917	19,396	19,683	79,178	61,341	72,522
46,667	0,218	0,704	0,519	0,351	0,354	129,077	19,344	16,487	-13,705	11,358	19,774	19,925	19,414	19,691	79,135	61,311	72,430
46,833	0,218	0,695	0,519	0,358	0,352	129,135	19,305	24,944	-14,402	23,177	19,782	19,927	19,409	19,692	79,107	61,280	72,493
47,000	0,221	0,688	0,519	0,358	0,353	129,352	19,284	22,926	-15,569	21,121	19,774	19,915	19,412	19,690	79,246	61,294	72,477
47,167	0,223	0,698	0,519	0,362	0,350	129,471	19,298	16,176	-14,190	15,106	19,765	19,916	19,401	19,691	79,036	61,312	72,454
47,334	0,222	0,682	0,518	0,365	0,354	129,624	19,306	25,430	-14,925	22,169	19,774	19,920	19,406	19,690	79,521	61,327	72,389
47,500	0,220	0,712	0,518	0,353	0,357	129,796	19,306	16,177	-14,527	13,905	19,782	19,929	19,404	19,702	79,279	61,316	72,499
47,667	0,218	0,717	0,518	0,359	0,349	129,928	19,306	22,372	-13,254	13,423	19,787	19,928	19,420	19,699	79,197	61,327	72,546
47,834	0,225	0,708	0,518	0,358	0,350	129,950	19,301	24,443	-14,322	26,528	19,771	19,925	19,404	19,690	79,316	61,331	72,545
48,000	0,222	0,691	0,518	0,364	0,348	129,933	19,310	20,999	-14,511	16,448	19,770	19,931	19,418	19,696	78,972	61,306	72,485
48,167	0,221	0,673	0,518	0,359	0,352	130,009	19,298	20,321	-14,994	21,284	19,779	19,924	19,403	19,691	79,094	61,279	72,518
48,334	0,220	0,658	0,518	0,359	0,349	129,994	19,286	20,659	-15,115	15,520	19,782	19,931	19,417	19,699	79,602	61,264	72,473
48,500	0,221	0,686	0,518	0,364	0,351	130,056	19,305	20,811	-14,986	18,862	19,798	19,960	19,443	19,731	79,196	61,304	72,574
48,667	0,220	0,695	0,518	0,353	0,353	130,133	19,273	22,383	-15,216	20,215	19,775	19,925	19,417	19,698	79,264	61,304	72,478

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
42,667	55,853	1,682	1,696	33717,462	33669,548	120,094	11,240	510,247	13,781	14,053	4,840	2017-09-18 08:23
42,834	55,783	1,682	1,696	33762,515	33638,805	100,168	11,614	510,246	13,871	14,117	4,851	2017-09-18 08:23
43,000	55,711	1,682	1,699	33926,143	33993,336	123,235	12,132	510,247	14,038	14,101	4,848	2017-09-18 08:23
43,167	55,640	1,680	1,700	34126,307	33614,088	106,849	12,795	510,247	14,194	14,030	4,836	2017-09-18 08:23
43,333	55,584	1,680	1,699	34067,736	33625,360	114,660	12,425	510,153	13,987	14,009	4,832	2017-09-18 08:23
43,500	55,542	1,680	1,697	33942,047	33207,634	144,402	12,785	510,154	13,569	14,044	4,838	2017-09-18 08:23
43,667	55,492	1,678	1,698	33977,229	33821,869	127,533	12,306	510,154	14,380	14,268	4,877	2017-09-18 08:24
43,833	55,418	1,679	1,697	33914,874	33219,111	129,447	11,664	510,154	13,743	14,085	4,845	2017-09-18 08:24
44,000	55,338	1,679	1,695	33982,181	33243,239	113,378	11,949	510,153	13,860	14,385	4,896	2017-09-18 08:24
44,167	55,279	1,679	1,697	33971,189	33575,820	115,247	12,043	510,060	13,902	14,175	4,861	2017-09-18 08:24
44,333	55,217	1,679	1,698	34156,383	33734,338	130,184	12,114	510,060	13,763	14,129	4,853	2017-09-18 08:24
44,500	55,155	1,678	1,697	34258,891	34074,054	112,548	12,372	510,059	14,068	14,286	4,880	2017-09-18 08:24
44,667	55,105	1,679	1,699	34188,684	33901,635	153,918	12,159	510,059	14,461	14,213	4,867	2017-09-18 08:25
44,833	55,052	1,680	1,698	34337,715	33881,355	175,626	12,456	510,060	14,057	14,178	4,861	2017-09-18 08:25
45,000	54,996	1,679	1,699	34374,255	33917,750	155,370	11,998	510,060	13,888	14,205	4,866	2017-09-18 08:25
45,167	54,984	1,680	1,700	34236,911	34539,877	152,038	12,019	509,967	13,909	14,333	4,888	2017-09-18 08:25
45,333	55,007	1,680	1,700	34337,687	34200,333	139,423	11,516	509,967	14,136	14,175	4,861	2017-09-18 08:25
45,500	54,987	1,678	1,698	34174,776	34324,379	154,342	11,272	509,967	13,993	14,161	4,858	2017-09-18 08:25
45,667	54,940	1,680	1,699	34362,767	34105,082	135,816	11,730	509,825	14,381	14,047	4,839	2017-09-18 08:26
45,833	54,888	1,682	1,700	34309,717	34191,526	131,574	12,216	509,967	14,211	14,078	4,844	2017-09-18 08:26
46,000	54,849	1,680	1,702	34281,416	34462,608	153,977	12,642	509,824	14,177	14,274	4,878	2017-09-18 08:26
46,167	54,861	1,680	1,702	34417,754	34677,432	128,679	12,344	509,825	14,243	14,100	4,848	2017-09-18 08:26
46,333	54,842	1,680	1,703	34528,573	34519,149	102,367	12,723	509,825	14,063	13,882	4,810	2017-09-18 08:26
46,500	54,799	1,680	1,704	34601,861	34260,346	130,087	12,430	509,825	14,058	14,244	4,872	2017-09-18 08:26
46,667	54,783	1,680	1,703	34449,289	34228,677	118,089	12,598	509,731	14,052	14,166	4,859	2017-09-18 08:27
46,833	54,799	1,681	1,702	34515,836	34250,044	119,677	12,370	509,731	14,328	14,094	4,847	2017-09-18 08:27
47,000	54,869	1,680	1,702	34343,840	34479,122	137,303	12,197	509,731	14,308	14,134	4,853	2017-09-18 08:27
47,167	54,885	1,678	1,701	34257,318	34006,730	148,512	12,446	509,731	14,490	14,008	4,832	2017-09-18 08:27
47,334	54,873	1,681	1,702	34165,149	34965,332	147,355	12,051	509,638	14,589	14,163	4,858	2017-09-18 08:27
47,500	54,848	1,680	1,703	34460,010	34498,467	133,742	12,792	509,638	14,118	14,273	4,877	2017-09-18 08:27
47,667	54,822	1,679	1,705	34630,189	34307,647	121,560	12,930	509,638	14,364	13,962	4,824	2017-09-18 08:28
47,834	54,806	1,680	1,702	34607,048	34541,121	163,494	12,696	509,637	14,328	14,000	4,830	2017-09-18 08:28
48,000	54,797	1,680	1,702	34500,145	33932,246	144,481	12,272	509,544	14,561	13,918	4,816	2017-09-18 08:28
48,167	54,775	1,679	1,704	34655,831	34192,055	139,801	11,813	509,543	14,372	14,079	4,844	2017-09-18 08:28
48,334	54,827	1,681	1,705	34479,962	35247,478	134,982	11,456	509,543	14,369	13,941	4,820	2017-09-18 08:28
48,500	54,846	1,679	1,707	34679,044	34331,685	141,417	12,142	509,543	14,573	14,051	4,839	2017-09-18 08:28
48,667	54,870	1,678	1,704	34395,919	34459,196	135,590	12,376	509,544	14,131	14,109	4,849	2017-09-18 08:29

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
48,834	0,221	0,702	0,517	0,352	0,355	130,168	19,194	16,224	-15,041	15,060	19,783	19,941	19,417	19,698	79,100	61,280	72,400
49,000	0,218	0,690	0,517	0,356	0,357	130,320	19,188	15,048	-15,418	16,575	19,779	19,932	19,413	19,695	79,448	61,314	72,450
49,167	0,223	0,684	0,517	0,354	0,355	130,406	19,207	15,553	-13,048	11,189	19,783	19,940	19,429	19,704	79,200	61,333	72,534
49,334	0,219	0,676	0,517	0,360	0,350	130,441	19,252	19,945	-14,352	21,240	19,784	19,935	19,420	19,703	79,120	61,333	72,487
49,500	0,219	0,671	0,517	0,354	0,351	130,718	19,262	19,390	-15,421	20,605	19,788	19,935	19,426	19,700	79,046	61,341	72,442
49,667	0,224	0,693	0,517	0,351	0,350	130,881	19,283	16,102	-12,452	11,357	19,783	19,936	19,413	19,700	79,445	61,372	72,443
49,834	0,221	0,727	0,517	0,366	0,354	130,924	19,275	23,219	-14,399	19,505	19,783	19,929	19,404	19,698	79,619	61,400	72,532
50,000	0,220	0,728	0,517	0,369	0,348	131,081	19,268	16,127	-15,184	16,773	19,774	19,933	19,412	19,698	79,229	61,432	72,622
50,167	0,219	0,721	0,516	0,371	0,354	131,177	19,266	22,909	-13,043	16,188	19,770	19,932	19,430	19,706	79,036	61,455	72,653
50,333	0,219	0,712	0,516	0,359	0,352	131,239	19,251	24,141	-14,950	25,803	19,763	19,941	19,426	19,698	79,596	61,491	72,599
50,500	0,218	0,731	0,515	0,363	0,350	131,302	19,252	17,828	-13,851	12,537	19,770	19,933	19,404	19,698	79,618	61,481	72,707
50,667	0,221	0,747	0,516	0,360	0,351	131,430	19,235	24,508	-13,990	22,479	19,774	19,929	19,416	19,694	79,762	61,538	72,835
50,833	0,219	0,755	0,515	0,359	0,350	131,457	19,220	18,005	-16,216	23,351	19,763	19,928	19,420	19,692	79,816	61,573	72,821
51,000	0,222	0,729	0,515	0,362	0,354	131,592	19,229	17,873	-13,561	15,315	19,776	19,948	19,397	19,696	79,336	61,569	72,809
51,167	0,218	0,723	0,515	0,361	0,348	131,667	19,242	24,449	-16,017	25,073	19,775	19,948	19,395	19,698	79,465	61,577	72,796
51,333	0,225	0,696	0,515	0,356	0,354	131,602	19,238	18,379	-11,941	11,672	19,772	19,928	19,408	19,695	79,514	61,563	72,707
51,500	0,223	0,678	0,515	0,354	0,356	131,654	19,080	23,223	-16,048	26,544	19,797	19,936	19,420	19,702	79,692	61,573	72,740
51,667	0,225	0,683	0,515	0,366	0,351	131,678	19,200	18,003	-12,880	12,221	19,766	19,933	19,424	19,698	79,625	61,608	72,854
51,833	0,221	0,707	0,515	0,349	0,359	131,171	19,198	20,437	-17,335	20,661	19,792	19,940	19,421	19,702	79,963	61,680	72,912
52,000	0,217	0,705	0,515	0,345	0,353	130,243	19,245	22,143	-12,957	18,501	19,788	19,952	19,430	19,708	79,945	61,685	73,097
52,167	0,223	0,740	0,517	0,350	0,356	129,205	19,212	10,137	-24,353	40,971	19,771	19,949	19,425	19,702	79,613	61,948	73,388
52,333	0,215	0,746	0,515	0,345	0,353	128,149	19,250	13,278	-25,591	23,622	19,787	19,958	19,441	19,715	79,800	61,943	73,132
52,500	0,209	0,735	0,515	0,345	0,358	127,123	19,198	15,837	-22,539	17,872	19,788	19,958	19,436	19,711	79,372	61,392	72,724
52,667	0,209	0,668	0,515	0,351	0,358	126,241	19,215	21,366	-21,142	21,368	19,792	19,956	19,446	19,716	78,606	61,299	72,566
52,833	0,212	0,640	0,515	0,339	0,360	125,410	19,216	15,266	-17,544	10,813	19,783	19,952	19,413	19,706	78,621	61,261	72,312
53,000	0,210	0,664	0,514	0,341	0,354	124,620	19,257	19,734	-17,928	25,058	19,792	19,962	19,436	19,710	78,614	61,554	72,858
53,167	0,210	0,647	0,514	0,340	0,354	123,897	19,242	21,027	-15,301	14,402	19,783	19,953	19,417	19,702	78,230	61,763	72,948
53,333	0,211	0,614	0,514	0,344	0,356	123,205	19,215	20,405	-16,904	18,733	19,779	19,952	19,421	19,702	77,944	61,795	72,869
53,500	0,219	0,598	0,514	0,341	0,352	122,548	19,233	12,726	-16,325	14,676	19,802	19,952	19,423	19,714	77,469	61,735	72,577
53,667	0,218	0,598	0,514	0,343	0,356	121,879	19,232	22,895	-14,426	20,598	19,782	19,944	19,420	19,703	77,539	61,651	72,381
53,833	0,221	0,578	0,514	0,333	0,356	121,246	19,171	14,890	-14,154	14,359	19,774	19,955	19,411	19,699	77,319	61,592	72,195
54,000	0,218	0,582	0,514	0,339	0,353	120,722	19,173	22,376	-14,842	22,800	19,784	19,946	19,429	19,706	76,940	61,524	71,890
54,167	0,215	0,588	0,514	0,330	0,351	120,184	19,162	10,888	-15,806	19,958	19,786	19,952	19,443	19,706	76,822	60,847	71,347
54,334	0,216	0,592	0,514	0,329	0,352	119,731	19,038	15,304	-15,011	16,699	19,783	19,961	19,442	19,707	77,075	60,695	71,168
54,500	0,214	0,571	0,514	0,334	0,354	119,363	18,930	21,338	-15,592	21,659	19,778	19,950	19,433	19,703	77,058	60,655	71,138
54,667	0,223	0,551	0,514	0,329	0,360	119,045	19,091	15,787	-13,918	10,012	19,789	19,962	19,447	19,715	76,311	60,655	70,982
54,834	0,224	0,543	0,514	0,340	0,352	118,773	19,139	21,411	-14,315	24,020	19,784	19,957	19,437	19,707	76,520	60,589	70,808

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
48,834	54,894	1,679	1,707	34253,081	34198,183	140,396	12,543	509,449	14,064	14,193	4,864	2017-09-18 08:29
49,000	54,904	1,682	1,708	34354,282	34862,555	121,122	12,239	509,450	14,245	14,265	4,876	2017-09-18 08:29
49,167	54,905	1,680	1,707	34477,644	34312,810	152,163	12,089	509,450	14,159	14,198	4,865	2017-09-18 08:29
49,334	54,951	1,679	1,708	34330,401	34133,087	128,693	11,911	509,449	14,389	14,009	4,832	2017-09-18 08:29
49,500	55,026	1,678	1,707	34065,364	33971,449	128,304	11,773	509,450	14,173	14,028	4,835	2017-09-18 08:29
49,667	55,034	1,680	1,707	34054,631	34710,832	156,555	12,316	509,356	14,038	14,002	4,831	2017-09-18 08:30
49,834	55,043	1,680	1,707	34210,315	34994,503	137,463	13,180	509,356	14,646	14,171	4,860	2017-09-18 08:30
50,000	55,050	1,680	1,704	34303,517	34169,648	133,266	13,198	509,356	14,746	13,901	4,813	2017-09-18 08:30
50,167	55,062	1,678	1,705	34376,950	33713,226	125,386	13,031	509,263	14,824	14,175	4,861	2017-09-18 08:30
50,333	55,084	1,678	1,705	34223,040	34737,872	127,008	12,811	509,263	14,359	14,080	4,844	2017-09-18 08:30
50,500	55,097	1,680	1,707	34441,064	34832,074	121,192	13,273	509,118	14,530	13,989	4,829	2017-09-18 08:30
50,667	55,109	1,679	1,707	34675,787	34969,183	140,006	13,671	509,263	14,399	14,029	4,835	2017-09-18 08:31
50,833	55,113	1,680	1,707	34636,673	35035,101	127,001	13,875	509,118	14,365	13,997	4,830	2017-09-18 08:31
51,000	55,123	1,680	1,706	34579,915	34123,640	143,509	13,222	509,118	14,461	14,180	4,861	2017-09-18 08:31
51,167	55,153	1,679	1,707	34505,987	34328,526	121,755	13,066	509,024	14,452	13,925	4,817	2017-09-18 08:31
51,333	55,182	1,680	1,709	34323,970	34472,043	162,215	12,407	509,024	14,234	14,166	4,859	2017-09-18 08:31
51,500	55,194	1,682	1,709	34369,772	34831,663	152,765	11,941	509,118	14,156	14,257	4,875	2017-09-18 08:31
51,667	55,206	1,682	1,710	34580,276	34631,791	161,770	12,083	509,024	14,634	14,055	4,840	2017-09-18 08:32
51,833	55,214	1,683	1,711	34701,225	35179,155	139,287	12,681	509,024	13,964	14,341	4,889	2017-09-18 08:32
52,000	55,209	1,685	1,695	34746,906	35169,212	113,114	12,613	509,024	13,802	14,117	4,851	2017-09-18 08:32
52,167	55,263	1,683	1,644	34154,709	33982,310	152,598	13,502	509,503	13,996	14,231	4,870	2017-09-18 08:32
52,333	55,356	1,624	1,642	33445,950	33150,028	101,652	13,649	509,024	13,803	14,104	4,848	2017-09-18 08:32
52,500	55,395	1,563	1,643	32625,866	32129,822	64,951	13,380	509,024	13,801	14,320	4,885	2017-09-18 08:32
52,667	55,407	1,563	1,637	32184,008	30923,273	64,096	11,697	509,024	14,054	14,312	4,884	2017-09-18 08:33
52,833	55,418	1,566	1,625	31457,588	31076,903	84,957	10,997	509,024	13,561	14,389	4,897	2017-09-18 08:33
53,000	55,439	1,562	1,492	29779,068	30448,631	69,131	11,600	508,940	13,640	14,163	4,859	2017-09-18 08:33
53,167	55,455	1,564	1,485	29768,957	29430,524	69,819	11,167	508,930	13,607	14,163	4,859	2017-09-18 08:33
53,333	55,465	1,564	1,485	29602,542	28870,320	77,529	10,344	508,930	13,742	14,256	4,874	2017-09-18 08:33
53,500	55,471	1,559	1,485	29107,577	28038,172	124,722	9,942	508,930	13,633	14,074	4,843	2017-09-18 08:33
53,667	55,465	1,560	1,486	28798,183	28330,460	122,915	9,960	508,930	13,736	14,247	4,873	2017-09-18 08:34
53,833	55,439	1,564	1,484	28493,756	28118,953	141,205	9,446	508,930	13,320	14,243	4,872	2017-09-18 08:34
54,000	55,445	1,507	1,488	28026,781	26550,969	121,331	9,559	508,930	13,575	14,135	4,854	2017-09-18 08:34
54,167	55,482	1,435	1,485	26998,682	26200,444	104,577	9,709	508,930	13,213	14,059	4,841	2017-09-18 08:34
54,334	55,516	1,432	1,486	26638,646	26823,259	107,527	9,789	508,930	13,151	14,089	4,846	2017-09-18 08:34
54,500	55,534	1,433	1,486	26565,600	26879,173	93,984	9,285	508,930	13,343	14,172	4,860	2017-09-18 08:34
54,667	55,458	1,435	1,486	26426,318	25676,782	149,836	8,778	508,930	13,166	14,384	4,896	2017-09-18 08:35
54,834	55,387	1,434	1,487	26268,437	26110,105	159,293	8,578	508,930	13,596	14,088	4,846	2017-09-18 08:35

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
55,000	0,215	0,573	0,514	0,332	0,353	118,522	19,172	21,857	-11,117	39,847	19,796	19,961	19,438	19,711	76,134	60,502	70,756
55,167	0,218	0,604	0,514	0,335	0,358	118,346	19,169	19,241	-8,398	21,701	19,782	19,954	19,432	19,704	76,022	60,453	70,603
55,334	0,217	0,599	0,514	0,322	0,356	118,140	19,198	20,135	-15,245	24,680	19,796	19,960	19,432	19,712	75,954	60,382	70,497
55,500	0,213	0,613	0,514	0,337	0,357	117,956	19,192	19,806	-16,812	22,405	19,761	19,949	19,416	19,699	75,931	60,363	70,468
55,667	0,215	0,638	0,514	0,330	0,359	117,865	19,190	6,037	-20,389	24,218	19,775	19,942	19,438	19,704	75,974	60,361	70,403
55,834	0,200	0,277	0,514	0,335	0,358	117,722	19,236	17,508	-10,119	21,424	19,795	19,970	19,437	19,714	75,912	60,349	70,331
56,000	0,199	0,205	0,514	0,333	0,360	117,582	19,220	22,078	-9,598	25,081	19,804	19,964	19,440	19,714	76,078	60,320	70,315
56,167	0,199	0,204	0,514	0,334	0,351	117,474	19,205	18,854	-8,533	13,273	19,790	19,954	19,428	19,706	76,006	60,323	70,375
56,334	0,199	0,203	0,513	0,330	0,356	117,378	19,200	21,450	-13,210	27,109	19,798	19,969	19,434	19,710	76,168	60,319	70,384
56,519	0,199	0,203	0,513	0,324	0,355	117,322	19,233	19,271	-13,541	21,441	19,803	19,970	19,449	19,719	75,956	60,319	70,407
56,667	0,199	0,202	0,513	0,320	0,357	117,250	19,217	13,061	-13,586	13,256	19,795	19,978	19,450	19,711	76,216	60,289	70,306
56,834	0,199	0,202	0,513	0,320	0,351	117,178	19,207	22,028	-12,359	20,923	19,798	19,983	19,454	19,718	75,777	60,213	70,333
57,000	0,200	0,204	0,513	0,322	0,354	117,130	19,208	15,169	-13,342	20,932	19,796	19,982	19,454	19,718	75,790	60,178	70,241
57,167	0,199	0,202	0,513	0,326	0,357	117,018	19,224	21,357	-12,519	15,446	19,800	19,967	19,442	19,715	75,920	60,125	70,228
57,333	0,199	0,202	0,513	0,348	0,358	116,971	19,227	19,902	-15,303	24,260	19,795	19,971	19,449	19,716	75,782	60,120	70,218
57,500	0,671	0,570	0,513	0,330	0,359	116,945	19,234	13,169	-14,561	18,922	19,802	19,961	19,444	19,714	76,212	60,125	70,203
57,667	0,843	0,832	0,513	0,326	0,359	116,953	19,132	17,314	-10,835	21,745	19,794	19,964	19,444	19,715	76,030	60,170	70,371
57,833	0,846	0,842	0,513	0,331	0,355	116,946	19,075	19,718	-12,454	18,479	19,796	19,964	19,446	19,719	76,118	60,211	70,361
58,000	0,846	0,843	0,513	0,328	0,353	117,023	19,097	17,927	-9,709	15,863	19,787	19,975	19,447	19,715	76,285	60,198	70,383
58,167	0,846	0,844	0,512	0,327	0,358	117,037	19,130	22,835	-11,129	18,268	19,806	19,970	19,448	19,723	76,256	60,205	70,400
58,333	0,846	0,844	0,512	0,328	0,360	117,015	19,168	26,248	-12,322	21,702	19,806	19,978	19,457	19,718	76,222	60,195	70,438
58,500	0,514	0,730	0,512	0,328	0,356	117,073	19,187	26,405	-12,404	22,237	19,792	19,974	19,451	19,719	76,288	60,181	70,443
58,667	0,205	0,218	0,512	0,323	0,362	117,169	19,212	102,021	-84,912	-8,213	19,809	19,983	19,449	19,719	76,096	60,144	70,375
58,833	0,201	0,207	0,512	0,329	0,353	117,247	19,178	14,651	-15,314	15,223	19,795	19,962	19,446	19,710	76,090	60,121	70,416
59,000	0,199	0,204	0,517	0,325	0,352	117,359	19,242	20,316	-12,629	16,219	19,810	19,979	19,446	19,722	76,353	60,533	71,366
59,167	0,199	0,203	0,512	0,326	0,351	117,368	19,253	19,517	-14,189	19,866	19,798	19,977	19,458	19,711	76,428	61,015	71,503
59,333	0,199	0,203	0,512	0,329	0,356	117,333	19,257	13,956	-14,149	17,179	19,788	19,974	19,434	19,710	76,727	60,463	71,323
59,500	0,199	0,202	0,512	0,324	0,360	117,244	19,319	10,120	-16,315	18,800	19,798	19,990	19,440	19,715	76,903	60,396	71,385
59,667	0,199	0,202	0,512	0,333	0,353	117,226	19,334	12,511	-12,886	13,125	19,795	19,980	19,449	19,712	76,865	60,413	71,477
59,833	0,199	0,202	0,511	0,327	0,357	117,326	19,315	22,492	-13,162	18,476	19,798	19,969	19,440	19,712	77,024	60,435	71,501
60,000	0,199	0,202	0,511	0,319	0,353	117,272	19,280	20,016	-15,294	26,784	19,805	19,973	19,444	19,715	77,113	60,439	71,546
60,167	0,199	0,202	0,511	0,322	0,347	117,236	19,292	16,349	-15,157	16,696	19,789	19,981	19,449	19,719	77,329	60,445	71,636
60,333	0,199	0,202	0,511	0,328	0,355	117,317	19,317	19,651	-14,408	20,566	19,796	19,969	19,459	19,716	77,265	60,479	71,789
60,500	0,199	0,202	0,511	0,327	0,352	117,390	19,331	21,263	-15,574	23,832	19,787	19,987	19,458	19,719	77,296	60,518	71,862
60,667	0,199	0,202	0,511	0,324	0,352	117,226	19,298	19,619	-15,798	23,081	19,792	19,967	19,456	19,710	77,553	60,514	71,880
60,833	0,199	0,202	0,511	0,322	0,355	117,091	19,284	14,209	-13,912	14,670	19,804	19,981	19,441	19,714	77,554	60,506	71,953
61,000	0,199	0,202	0,511	0,326	0,351	117,158	19,284	21,810	-13,347	22,157	19,779	19,979	19,455	19,712	77,733	60,486	71,988

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
55,000	55,356	1,435	1,488	26251,175	25638,906	102,493	9,314	508,930	13,296	14,105	4,849	2017-09-18 08:35
55,167	55,339	1,433	1,485	25974,669	25513,269	117,752	10,092	508,874	13,396	14,308	4,883	2017-09-18 08:35
55,334	55,348	1,434	1,488	25824,399	25522,830	112,544	9,983	508,930	12,886	14,238	4,871	2017-09-18 08:35
55,500	55,362	1,435	1,488	25747,119	25533,490	88,883	10,336	508,837	13,470	14,291	4,880	2017-09-18 08:35
55,667	55,360	1,432	1,485	25599,262	25568,496	104,233	10,962	508,837	13,199	14,370	4,894	2017-09-18 08:36
55,834	55,352	1,432	1,484	25471,437	25486,405	7,543	1,924	508,837	13,414	14,331	4,887	2017-09-18 08:36
56,000	55,346	1,433	1,484	25455,352	25825,904	1,222	0,134	508,837	13,334	14,414	4,901	2017-09-18 08:36
56,167	55,339	1,433	1,487	25607,237	25705,687	0,156	0,090	508,837	13,345	14,021	4,834	2017-09-18 08:36
56,334	55,312	1,432	1,489	25714,428	25955,133	-0,046	0,074	508,742	13,195	14,254	4,874	2017-09-18 08:36
56,519	55,240	1,435	1,490	25890,539	25657,799	-0,251	0,067	508,742	12,957	14,189	4,863	2017-09-18 08:36
56,667	55,170	1,431	1,485	25757,528	26067,244	-0,470	0,062	508,742	12,795	14,268	4,876	2017-09-18 08:37
56,834	55,121	1,431	1,487	25910,874	25466,438	-0,487	0,059	508,742	12,811	14,042	4,838	2017-09-18 08:37
57,000	55,090	1,433	1,488	25830,574	25590,365	6,219	0,107	508,742	12,860	14,162	4,858	2017-09-18 08:37
57,167	55,102	1,432	1,488	25786,489	25868,994	0,562	0,059	508,742	13,036	14,278	4,878	2017-09-18 08:37
57,333	55,157	1,433	1,488	25671,796	25670,017	-0,056	0,056	508,742	13,909	14,329	4,887	2017-09-18 08:37
57,500	55,163	1,432	1,487	25620,202	26347,919	2950,048	9,260	508,649	13,219	14,352	4,891	2017-09-18 08:37
57,667	55,150	1,432	1,487	25924,778	25974,803	4019,400	15,801	508,648	13,050	14,344	4,889	2017-09-18 08:38
57,833	55,138	1,432	1,488	25956,078	26055,648	4037,377	16,047	508,649	13,255	14,215	4,867	2017-09-18 08:38
58,000	55,131	1,436	1,492	26065,473	26408,160	4037,843	16,077	508,649	13,138	14,106	4,849	2017-09-18 08:38
58,167	55,105	1,435	1,489	26097,529	26330,250	4038,152	16,091	508,555	13,077	14,320	4,885	2017-09-18 08:38
58,333	55,062	1,433	1,489	26237,175	26270,569	4038,378	16,100	508,555	13,128	14,415	4,902	2017-09-18 08:38
58,500	55,024	1,433	1,489	26309,244	26401,865	1970,192	13,238	508,555	13,101	14,256	4,874	2017-09-18 08:38
58,667	54,996	1,432	1,489	26244,909	26126,705	38,132	0,455	508,555	12,915	14,477	4,912	2017-09-18 08:39
58,833	55,028	1,433	1,489	26245,212	26174,366	13,480	0,176	508,555	13,152	14,139	4,854	2017-09-18 08:39
59,000	55,080	1,432	1,300	24262,486	25901,936	4,419	0,091	509,448	13,015	14,071	4,843	2017-09-18 08:39
59,167	55,106	1,361	1,287	24189,091	23976,488	2,289	0,073	508,462	13,056	14,027	4,835	2017-09-18 08:39
59,333	55,113	1,300	1,285	23876,631	24181,016	1,459	0,066	508,462	13,157	14,222	4,869	2017-09-18 08:39
59,500	55,113	1,301	1,285	23968,145	24553,122	1,038	0,062	508,462	12,978	14,384	4,896	2017-09-18 08:39
59,667	55,107	1,300	1,287	24131,502	24463,901	0,795	0,058	508,462	13,330	14,128	4,852	2017-09-18 08:40
59,833	55,099	1,300	1,287	24189,892	24654,430	0,604	0,054	508,320	13,091	14,264	4,876	2017-09-18 08:40
60,000	55,089	1,302	1,289	24301,273	24814,932	0,399	0,053	508,320	12,766	14,131	4,853	2017-09-18 08:40
60,167	55,084	1,299	1,288	24437,294	25081,117	0,170	0,050	508,320	12,896	13,884	4,810	2017-09-18 08:40
60,333	55,071	1,301	1,287	24660,976	24962,489	0,156	0,052	508,320	13,129	14,199	4,865	2017-09-18 08:40
60,500	55,048	1,299	1,287	24796,423	24918,519	-0,032	0,049	508,320	13,075	14,093	4,847	2017-09-18 08:40
60,667	54,991	1,299	1,288	24926,824	25305,492	-0,039	0,048	508,320	12,949	14,084	4,845	2017-09-18 08:41
60,833	54,902	1,300	1,286	25137,733	25338,713	-0,049	0,048	508,226	12,889	14,200	4,865	2017-09-18 08:41
61,000	54,893	1,300	1,287	25223,551	25637,573	-0,053	0,047	508,226	13,035	14,060	4,841	2017-09-18 08:41

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
61,167	0,199	0,202	0,511	0,328	0,351	117,137	19,288	24,396	-14,349	17,938	19,800	19,981	19,451	19,715	77,594	60,453	71,998
61,334	0,199	0,202	0,511	0,319	0,356	117,128	19,297	21,403	-15,683	27,430	19,791	19,973	19,442	19,711	77,887	60,483	72,090
61,500	0,199	0,202	0,510	0,322	0,350	117,129	19,317	20,543	-14,567	14,022	19,790	19,986	19,443	19,710	77,964	60,545	72,169
61,667	0,199	0,202	0,510	0,324	0,351	117,055	19,336	20,383	-16,265	28,152	19,804	19,983	19,437	19,714	78,138	60,584	72,271
61,834	0,199	0,202	0,510	0,329	0,353	116,919	19,310	18,851	-13,223	12,224	19,792	19,983	19,450	19,715	78,100	60,631	72,281
62,000	0,199	0,202	0,510	0,326	0,352	116,722	19,305	21,520	-15,605	21,681	19,803	19,984	19,447	19,715	78,215	60,670	72,410
62,167	0,199	0,202	0,510	0,322	0,356	116,607	19,314	11,711	-16,621	17,972	19,806	19,977	19,453	19,716	78,335	60,706	72,474
62,334	0,199	0,202	0,510	0,326	0,355	116,532	19,323	10,188	-14,955	18,188	19,806	19,982	19,459	19,716	78,193	60,725	72,524
62,500	0,199	0,202	0,510	0,328	0,353	116,356	19,326	16,242	-13,434	16,055	19,805	19,970	19,451	19,714	78,419	60,745	72,561
62,667	0,199	0,202	0,509	0,325	0,354	116,252	19,370	18,051	-15,919	25,442	19,800	19,986	19,447	19,715	78,379	60,742	72,597
62,834	0,199	0,202	0,510	0,326	0,353	116,187	19,367	14,713	-15,682	18,243	19,812	20,005	19,457	19,722	78,383	60,740	72,569
63,000	0,199	0,202	0,510	0,323	0,352	115,997	19,369	9,994	-15,660	18,263	19,799	19,977	19,462	19,716	78,234	60,757	72,600
63,167	0,199	0,202	0,510	0,310	0,352	115,809	19,374	16,519	-13,060	13,425	19,800	19,981	19,459	19,716	78,134	60,812	72,573
63,334	0,199	0,202	0,510	0,323	0,353	115,709	19,365	19,764	-14,772	19,286	19,810	20,003	19,463	19,723	78,038	60,839	72,588
63,500	0,199	0,202	0,510	0,316	0,352	115,542	19,353	11,923	-15,789	16,979	19,807	19,991	19,467	19,719	78,385	60,869	72,532
63,667	0,199	0,202	0,510	0,313	0,352	115,387	19,351	8,009	-15,101	18,071	19,804	19,981	19,442	19,715	78,177	60,878	72,553
63,833	0,199	0,202	0,509	0,327	0,351	115,206	19,339	17,632	-12,704	13,944	19,799	19,981	19,453	19,718	78,096	60,906	72,558
64,000	0,199	0,202	0,509	0,327	0,349	115,020	19,335	18,736	-13,856	21,573	19,800	19,996	19,471	19,722	78,467	60,916	72,524
64,167	0,199	0,202	0,509	0,311	0,351	114,918	19,354	16,564	-15,945	22,605	19,812	19,983	19,465	19,724	78,052	60,916	72,566
64,333	0,199	0,202	0,509	0,316	0,351	114,772	19,368	16,087	-14,034	12,914	19,803	19,994	19,457	19,726	77,883	60,937	72,608
64,500	0,199	0,202	0,509	0,318	0,353	114,599	19,340	14,271	-15,766	20,571	19,800	19,991	19,461	19,718	78,216	60,952	72,599
64,667	0,199	0,202	0,509	0,319	0,355	114,406	19,374	12,101	-16,558	18,149	19,812	19,990	19,474	19,724	78,342	60,944	72,553
64,833	0,199	0,202	0,509	0,316	0,357	114,200	19,359	11,992	-13,975	14,554	19,800	19,996	19,458	19,719	78,103	60,960	72,611
65,000	0,199	0,202	0,509	0,319	0,356	113,989	19,330	21,546	-13,735	16,948	19,803	19,994	19,462	19,722	78,327	61,006	72,611
65,167	0,199	0,202	0,509	0,312	0,357	113,808	19,334	22,971	-15,051	22,785	19,811	19,999	19,463	19,724	78,259	61,027	72,588
65,333	0,199	0,202	0,509	0,318	0,354	113,683	19,338	16,658	-14,626	19,956	19,812	19,987	19,457	19,727	78,037	61,050	72,565
65,500	0,199	0,202	0,509	0,311	0,353	113,494	19,347	13,415	-13,536	13,611	19,795	19,999	19,470	19,720	77,878	61,053	72,476
65,667	0,199	0,202	0,509	0,306	0,352	113,378	19,314	18,610	-14,512	25,264	19,793	19,989	19,467	19,723	77,677	61,062	72,492
65,833	0,199	0,202	0,508	0,314	0,350	113,237	19,273	18,608	-12,510	12,160	19,814	20,004	19,477	19,731	77,867	61,085	72,663
66,000	0,199	0,202	0,508	0,314	0,352	113,118	19,308	17,784	-16,020	18,871	19,812	20,003	19,476	19,726	77,883	61,483	72,974
66,167	0,199	0,202	0,508	0,319	0,352	112,983	19,334	20,927	-16,273	22,400	19,791	19,999	19,469	19,724	77,929	61,511	72,731
66,333	0,199	0,202	0,508	0,321	0,354	112,899	19,299	14,851	-18,999	22,916	19,808	19,989	19,475	19,724	77,917	60,904	72,451
66,500	0,199	0,202	0,508	0,311	0,356	112,720	19,321	25,180	-4,435	33,125	19,800	20,000	19,466	19,726	77,909	60,776	72,447
66,667	0,199	0,202	0,508	0,315	0,356	112,590	19,346	21,519	-6,173	17,040	19,827	20,010	19,477	19,735	78,000	61,031	73,014
66,833	0,199	0,202	0,508	0,314	0,353	112,495	19,345	26,848	-9,746	25,506	19,814	20,003	19,479	19,738	77,852	61,303	73,159
67,000	0,199	0,202	0,507	0,319	0,355	112,291	19,355	14,863	-13,166	23,510	19,807	20,002	19,471	19,732	78,072	61,358	73,299
67,167	0,199	0,202	0,507	0,315	0,354	112,177	19,352	14,448	-13,403	18,913	19,816	20,009	19,471	19,726	77,894	61,412	73,266

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
61,167	54,959	1,300	1,289	25176,494	25478,875	-0,251	0,047	508,226	13,129	14,056	4,840	2017-09-18 08:41
61,334	54,991	1,301	1,288	25228,574	25888,354	-0,265	0,045	508,226	12,761	14,249	4,873	2017-09-18 08:41
61,500	55,022	1,300	1,287	25298,013	25889,306	-0,258	0,045	508,132	12,891	13,998	4,830	2017-09-18 08:41
61,667	55,064	1,300	1,291	25445,894	26093,683	-0,279	0,045	508,133	12,970	14,059	4,841	2017-09-18 08:42
61,834	55,089	1,301	1,291	25439,489	25983,992	-0,258	0,044	508,132	13,148	14,134	4,854	2017-09-18 08:42
62,000	55,095	1,301	1,288	25562,169	26095,207	-0,473	0,043	508,133	13,050	14,063	4,841	2017-09-18 08:42
62,167	55,087	1,298	1,290	25706,160	26164,881	-0,484	0,042	508,132	12,874	14,241	4,872	2017-09-18 08:42
62,334	55,072	1,299	1,290	25800,798	25942,140	-0,473	0,042	508,132	13,048	14,200	4,865	2017-09-18 08:42
62,500	55,047	1,300	1,289	25877,556	26270,709	-0,470	0,042	508,039	13,109	14,138	4,854	2017-09-18 08:42
62,667	55,051	1,299	1,290	25946,991	26195,333	-0,473	0,042	507,945	12,995	14,166	4,859	2017-09-18 08:43
62,834	55,135	1,300	1,290	25771,727	26217,789	-0,477	0,042	508,038	13,023	14,138	4,854	2017-09-18 08:43
63,000	55,192	1,299	1,290	25725,187	25955,375	-0,463	0,042	508,039	12,937	14,084	4,845	2017-09-18 08:43
63,167	55,237	1,299	1,290	25624,842	25731,592	-0,484	0,042	508,038	12,415	14,086	4,845	2017-09-18 08:43
63,334	55,268	1,300	1,291	25617,186	25553,805	-0,484	0,042	508,039	12,925	14,105	4,849	2017-09-18 08:43
63,500	55,305	1,300	1,291	25478,083	26037,433	-0,695	0,042	508,039	12,652	14,082	4,845	2017-09-18 08:43
63,667	55,331	1,300	1,290	25462,679	25709,255	-0,675	0,042	508,038	12,527	14,085	4,845	2017-09-18 08:44
63,833	55,339	1,299	1,291	25472,413	25538,189	-0,664	0,041	507,944	13,095	14,024	4,835	2017-09-18 08:44
64,000	55,348	1,301	1,291	25410,834	26102,978	-0,692	0,041	507,945	13,062	13,952	4,822	2017-09-18 08:44
64,167	55,352	1,301	1,291	25470,662	25487,959	-0,682	0,041	507,945	12,434	14,039	4,837	2017-09-18 08:44
64,333	55,355	1,301	1,291	25523,582	25200,899	-0,682	0,041	507,945	12,629	14,060	4,841	2017-09-18 08:44
64,500	55,380	1,301	1,291	25472,914	25674,851	-0,689	0,041	507,851	12,731	14,119	4,851	2017-09-18 08:44
64,667	55,422	1,300	1,291	25341,858	25855,584	-0,678	0,040	507,851	12,742	14,183	4,862	2017-09-18 08:45
64,833	55,465	1,300	1,289	25331,797	25469,944	-0,702	0,041	507,851	12,641	14,282	4,879	2017-09-18 08:45
65,000	55,504	1,299	1,290	25287,543	25718,768	-0,678	0,040	507,851	12,774	14,260	4,875	2017-09-18 08:45
65,167	55,537	1,300	1,290	25207,417	25614,295	-0,689	0,040	507,851	12,468	14,295	4,881	2017-09-18 08:45
65,333	55,565	1,299	1,290	25126,585	25221,126	-0,685	0,040	507,851	12,708	14,143	4,855	2017-09-18 08:45
65,500	55,588	1,300	1,291	24982,808	25001,889	-0,685	0,039	507,851	12,449	14,137	4,854	2017-09-18 08:45
65,667	55,600	1,300	1,291	24989,999	24696,837	-0,675	0,039	507,851	12,256	14,063	4,841	2017-09-18 08:46
65,833	55,599	1,301	1,233	24099,080	24962,151	-0,689	0,040	507,758	12,549	13,999	4,830	2017-09-18 08:46
66,000	55,599	1,301	1,190	23695,571	24382,700	-0,685	0,040	507,758	12,578	14,090	4,846	2017-09-18 08:46
66,167	55,600	1,216	1,191	23365,763	22819,115	-0,682	0,039	507,758	12,765	14,096	4,847	2017-09-18 08:46
66,333	55,611	1,184	1,190	22966,857	23031,498	-0,671	0,040	507,757	12,848	14,170	4,860	2017-09-18 08:46
66,500	55,624	1,184	1,165	22453,376	23184,136	-0,692	0,040	507,757	12,429	14,256	4,874	2017-09-18 08:46
66,667	55,627	1,184	1,093	21766,616	22967,072	-0,664	0,039	507,758	12,617	14,245	4,873	2017-09-18 08:47
66,833	55,624	1,184	1,093	21960,843	22389,525	-0,685	0,038	507,757	12,547	14,124	4,852	2017-09-18 08:47
67,000	55,636	1,183	1,093	22115,700	22606,353	-0,650	0,039	507,617	12,762	14,214	4,867	2017-09-18 08:47
67,167	55,651	1,183	1,092	22037,001	22295,372	-0,682	0,038	507,617	12,616	14,179	4,861	2017-09-18 08:47

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
67,333	0,199	0,202	0,507	0,309	0,359	112,065	19,343	18,227	-42,256	-133,067	19,811	20,015	19,491	19,736	78,298	61,415	73,297
67,500	0,199	0,201	0,507	0,308	0,353	112,025	19,313	32,685	3,254	35,497	19,812	20,007	19,486	19,736	78,107	61,432	73,312
67,667	0,199	0,201	0,507	0,315	0,350	111,975	19,304	20,279	-5,417	27,761	19,803	20,014	19,481	19,739	78,066	61,783	73,964
67,834	0,199	0,201	0,507	0,314	0,355	111,855	19,322	18,137	-8,879	28,495	19,804	20,008	19,476	19,724	78,258	62,134	74,169
68,000	0,199	0,202	0,507	0,305	0,353	111,671	19,312	15,368	-8,946	19,248	19,798	19,996	19,475	19,728	78,525	62,161	73,930
68,167	0,199	0,201	0,507	0,314	0,357	111,525	19,226	23,392	-10,876	23,887	19,836	20,018	19,474	19,735	78,914	61,350	73,650
68,334	0,199	0,202	0,507	0,307	0,350	111,390	19,138	16,855	-10,908	18,771	19,804	20,002	19,463	19,732	78,950	61,112	73,727
68,500	0,199	0,202	0,507	0,311	0,356	111,283	19,257	25,059	-11,910	23,377	19,818	19,998	19,484	19,731	78,972	61,084	73,831
68,667	0,199	0,202	0,507	0,315	0,351	111,183	19,277	24,463	-13,491	24,826	19,824	19,998	19,486	19,736	78,831	61,096	74,041
68,834	0,199	0,201	0,507	0,311	0,352	111,072	19,326	15,323	-13,023	19,596	19,818	20,010	19,482	19,736	78,997	61,353	74,288
69,000	0,199	0,202	0,506	0,306	0,354	110,951	19,332	20,220	-13,325	23,650	19,816	20,012	19,487	19,742	79,104	61,322	74,254
69,167	0,199	0,201	0,506	0,307	0,352	110,833	19,248	22,433	-13,549	17,546	19,832	20,010	19,488	19,742	79,005	61,255	74,266
69,334	0,199	0,201	0,506	0,308	0,351	110,709	19,244	21,426	-16,059	26,905	19,826	20,016	19,483	19,742	79,432	61,243	74,374
69,500	0,199	0,202	0,506	0,309	0,356	110,633	19,336	13,946	-14,757	17,857	19,837	20,022	19,487	19,744	79,483	61,260	74,468
69,667	0,199	0,201	0,506	0,311	0,353	110,490	19,326	18,207	-14,168	21,441	19,830	20,015	19,511	19,746	79,555	61,271	74,588
69,834	0,199	0,201	0,506	0,307	0,356	110,408	19,087	19,828	-13,897	23,827	19,824	20,008	19,488	19,742	79,320	61,277	74,630
70,000	0,199	0,201	0,506	0,306	0,355	110,299	19,018	27,602	-19,808	16,452	19,827	20,012	19,487	19,744	79,484	61,253	74,593
70,167	0,199	0,201	0,506	0,295	0,355	110,168	19,170	24,346	-13,527	17,671	19,831	20,012	19,495	19,742	79,511	61,217	74,578
70,334	0,199	0,201	0,506	0,305	0,354	110,059	19,222	20,959	-14,832	28,148	19,822	20,007	19,492	19,735	79,389	61,191	74,597
70,500	0,199	0,201	0,506	0,307	0,352	109,996	18,949	17,033	-13,707	19,243	19,839	20,031	19,495	19,747	79,688	61,198	74,622
70,667	0,199	0,201	0,506	0,309	0,350	109,833	19,032	22,979	-13,885	17,669	19,815	20,012	19,498	19,738	79,650	61,190	74,620
70,833	0,199	0,201	0,505	0,303	0,357	109,650	19,145	18,822	-14,554	24,830	19,820	20,018	19,496	19,742	79,684	61,190	74,711
71,000	0,199	0,201	0,505	0,306	0,356	109,453	19,179	15,886	-27,741	9,005	19,822	20,011	19,502	19,746	79,711	61,201	74,749
71,167	0,199	0,201	0,464	0,310	0,357	109,253	19,220	11,962	-2,988	17,908	19,836	20,043	19,516	19,762	79,901	61,209	74,821
71,333	0,199	0,201	0,466	0,306	0,355	109,049	19,251	44,775	-12,862	23,722	19,826	20,019	19,511	19,747	79,862	61,216	74,811
71,500	0,199	0,201	0,465	0,310	0,351	108,795	19,164	27,598	-16,876	29,900	19,824	20,018	19,491	19,739	79,772	61,199	74,824
71,667	0,199	0,201	0,469	0,312	0,356	108,666	19,187	17,943	-16,039	16,245	19,844	20,028	19,513	19,748	79,711	61,178	74,815
71,833	0,199	0,201	0,467	0,306	0,353	108,527	19,183	20,477	-14,728	20,084	19,830	20,024	19,500	19,747	79,868	61,155	74,800
72,000	0,199	0,201	0,464	0,297	0,352	108,398	19,240	23,258	-15,714	23,582	19,827	20,012	19,500	19,744	79,780	61,135	74,823
72,167	0,199	0,201	0,464	0,297	0,353	108,163	19,279	12,915	-16,455	21,362	19,855	20,051	19,528	19,768	79,663	61,138	74,812
72,333	0,199	0,201	0,464	0,303	0,352	107,983	19,264	18,443	-13,998	15,169	19,823	20,016	19,520	19,748	79,677	61,127	74,784
72,500	0,199	0,201	0,464	0,299	0,356	107,839	19,256	21,952	-14,772	26,254	19,836	20,028	19,510	19,750	79,475	61,113	74,720
72,667	0,199	0,201	0,464	0,301	0,351	107,709	19,269	20,299	-13,002	16,151	19,842	20,046	19,533	19,764	79,501	61,101	74,690
72,833	0,199	0,201	0,463	0,306	0,357	107,511	19,223	20,770	-15,623	27,771	19,813	20,005	19,503	19,742	79,532	61,112	74,665
73,000	0,199	0,202	0,450	0,303	0,357	107,273	19,150	24,622	-13,979	13,209	19,826	20,023	19,512	19,750	79,225	61,131	74,639
73,167	0,199	0,201	0,478	0,298	0,351	107,074	19,192	86,112	-15,929	32,871	19,837	20,030	19,513	19,748	79,430	61,139	74,620
73,333	0,199	0,201	0,491	0,296	0,353	106,784	19,208	137,332	-129,708	76,275	19,819	20,023	19,505	19,743	79,358	61,130	74,570

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
67,333	55,666	1,183	1,094	22088,748	22821,932	-0,682	0,038	507,618	12,373	14,364	4,893	2017-09-18 08:47
67,500	55,675	1,183	1,068	21577,305	22537,777	-0,682	0,037	507,618	12,337	14,131	4,853	2017-09-18 08:47
67,667	55,656	1,184	0,991	20785,485	22036,016	-0,661	0,037	507,617	12,595	14,018	4,833	2017-09-18 08:48
67,834	55,612	1,185	0,990	21058,228	21826,753	-0,661	0,037	507,524	12,571	14,195	4,864	2017-09-18 08:48
68,000	55,579	1,069	0,990	20824,346	19987,251	-0,689	0,038	507,524	12,187	14,126	4,852	2017-09-18 08:48
68,167	55,560	1,046	0,991	20540,422	21010,653	-0,689	0,037	507,524	12,559	14,266	4,876	2017-09-18 08:48
68,334	55,549	1,047	0,991	20648,045	21359,062	-0,664	0,038	507,524	12,279	13,999	4,830	2017-09-18 08:48
68,500	55,514	1,047	0,991	20796,393	21403,523	-0,668	0,038	507,524	12,428	14,238	4,871	2017-09-18 08:48
68,667	55,473	1,047	0,951	20227,944	21229,923	-0,643	0,038	507,524	12,618	14,053	4,840	2017-09-18 08:49
68,834	55,467	1,034	0,938	20229,313	20858,880	-0,883	0,037	507,524	12,433	14,083	4,845	2017-09-18 08:49
69,000	55,467	1,019	0,939	20220,688	20709,485	-0,894	0,038	507,430	12,230	14,163	4,859	2017-09-18 08:49
69,167	55,465	1,020	0,938	20219,099	20688,568	-0,855	0,037	507,430	12,284	14,081	4,844	2017-09-18 08:49
69,334	55,443	1,018	0,939	20362,108	21170,602	-0,671	0,037	507,430	12,337	14,056	4,840	2017-09-18 08:49
69,500	55,386	1,016	0,937	20492,752	21175,668	-0,654	0,038	507,430	12,379	14,227	4,869	2017-09-18 08:49
69,667	55,312	1,018	0,937	20708,049	21275,440	-0,661	0,037	507,430	12,438	14,101	4,848	2017-09-18 08:50
69,834	55,263	1,017	0,937	20792,192	20976,603	-0,664	0,037	507,337	12,261	14,248	4,873	2017-09-18 08:50
70,000	55,241	1,017	0,938	20801,204	21203,097	-0,675	0,037	507,336	12,250	14,194	4,864	2017-09-18 08:50
70,167	55,240	1,018	0,939	20806,847	21297,277	-0,657	0,037	507,337	11,811	14,188	4,863	2017-09-18 08:50
70,334	55,233	1,019	0,939	20846,337	21196,094	-0,650	0,037	507,337	12,191	14,156	4,857	2017-09-18 08:50
70,500	55,224	1,017	0,939	20867,380	21499,930	-0,668	0,037	507,336	12,270	14,091	4,846	2017-09-18 08:50
70,667	55,206	1,018	0,938	20872,921	21490,929	-0,650	0,037	507,337	12,364	14,008	4,832	2017-09-18 08:51
70,833	55,193	1,018	0,938	20980,023	21530,721	-0,671	0,037	507,242	12,125	14,297	4,881	2017-09-18 08:51
71,000	55,181	1,020	0,939	21068,253	21589,488	-0,452	0,037	507,278	12,238	14,224	4,869	2017-09-18 08:51
71,167	55,158	1,019	0,939	21170,988	21773,793	-0,452	0,037	499,562	12,395	14,268	4,877	2017-09-18 08:51
71,333	55,119	1,017	0,939	21190,166	21683,492	-0,678	0,037	499,937	12,231	14,204	4,866	2017-09-18 08:51
71,500	55,079	1,016	0,938	21237,668	21583,550	-0,671	0,037	499,656	12,388	14,040	4,837	2017-09-18 08:51
71,667	55,047	1,019	0,940	21287,257	21585,526	-0,692	0,037	500,449	12,479	14,222	4,869	2017-09-18 08:52
71,833	55,032	1,018	0,940	21295,043	21786,651	-0,682	0,037	500,031	12,258	14,124	4,852	2017-09-18 08:52
72,000	55,032	1,018	0,940	21319,116	21711,137	-0,682	0,037	499,469	11,897	14,082	4,845	2017-09-18 08:52
72,167	55,034	1,019	0,940	21300,321	21572,334	-0,699	0,037	499,469	11,873	14,131	4,853	2017-09-18 08:52
72,333	55,040	1,018	0,939	21257,450	21583,566	-0,682	0,037	499,469	12,105	14,065	4,842	2017-09-18 08:52
72,500	55,089	1,017	0,939	21119,008	21340,662	-0,897	0,037	499,468	11,970	14,256	4,874	2017-09-18 08:52
72,667	55,134	1,017	0,939	21048,825	21397,654	-0,887	0,037	499,469	12,021	14,024	4,835	2017-09-18 08:53
72,833	55,147	1,019	0,939	21007,290	21455,738	-0,887	0,037	499,327	12,258	14,294	4,881	2017-09-18 08:53
73,000	55,143	1,019	0,940	21012,772	21075,440	-0,661	0,039	496,840	12,100	14,264	4,876	2017-09-18 08:53
73,167	55,126	1,017	0,940	21002,145	21271,301	-0,685	0,037	502,042	11,933	14,025	4,835	2017-09-18 08:53
73,333	55,107	1,018	0,940	20973,503	21218,463	-0,685	0,037	504,528	11,853	14,136	4,854	2017-09-18 08:53

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
73,500	0,199	0,201	0,491	0,301	0,354	106,438	19,260	27,238	-141,374	44,884	19,823	20,035	19,512	19,752	78,955	61,111	74,509
73,667	0,199	0,201	0,492	0,295	0,351	106,141	19,259	26,230	-31,596	22,421	19,836	20,041	19,523	19,752	78,972	61,077	74,438
73,833	0,199	0,201	0,491	0,293	0,355	105,842	19,241	28,261	-24,883	19,237	19,819	20,010	19,504	19,739	78,779	61,037	74,341
74,000	0,199	0,201	0,491	0,298	0,352	105,603	19,180	23,668	-24,007	26,945	19,835	20,038	19,518	19,760	78,887	61,005	74,237
74,167	0,199	0,201	0,491	0,291	0,351	105,385	19,204	15,479	-22,455	16,880	19,818	20,019	19,521	19,742	78,710	60,976	74,187
74,333	0,199	0,201	0,491	0,298	0,353	105,203	19,232	14,039	-17,204	12,193	19,819	20,022	19,508	19,746	78,749	60,960	74,145
74,500	0,199	0,201	0,492	0,292	0,360	105,094	19,195	22,539	-16,642	17,053	19,831	20,026	19,515	19,751	78,845	60,960	74,072
74,667	0,199	0,201	0,493	0,292	0,361	104,859	19,205	24,608	-15,961	20,966	19,815	20,018	19,516	19,740	78,675	60,972	74,053
74,834	0,199	0,202	0,494	0,289	0,355	104,633	19,215	20,247	-14,758	12,973	19,815	20,018	19,504	19,739	78,731	61,007	74,023
75,000	0,199	0,201	0,490	0,285	0,348	104,450	19,211	24,128	-9999,000	30,785	19,833	20,025	19,508	19,742	78,617	61,022	74,016
75,167	0,199	0,202	0,533	0,286	0,354	104,187	19,240	18,803	-33,303	34,054	19,809	20,033	19,516	19,739	78,417	61,034	74,000
75,334	0,199	0,202	0,532	0,292	0,360	103,943	19,242	24,035	-27,849	22,773	19,824	20,035	19,519	19,744	78,307	61,033	73,922
75,500	0,199	0,201	0,532	0,288	0,360	103,707	19,247	22,923	-23,841	22,430	19,836	20,024	19,511	19,747	78,315	61,006	73,844
75,667	0,199	0,201	0,532	0,289	0,357	103,506	19,253	24,050	-21,374	19,359	19,844	20,032	19,516	19,747	78,084	60,975	73,769
75,834	0,199	0,201	0,532	0,289	0,350	103,290	19,150	8,317	-19,292	29,361	19,826	20,048	19,521	19,743	78,135	60,947	73,921
76,000	0,199	0,202	0,532	0,290	0,354	103,098	19,266	23,603	-19,949	25,414	19,836	20,044	19,529	19,748	78,056	61,532	74,631
76,167	0,199	0,202	0,531	0,285	0,354	102,933	19,277	16,004	-17,791	12,863	19,831	20,048	19,517	19,744	77,824	61,810	74,626
76,492	0,199	0,202	0,531	0,280	0,356	102,579	19,261	20,912	-19,988	20,819	19,820	20,022	19,521	19,742	77,863	61,627	74,447
76,550	0,199	0,202	0,531	0,286	0,351	102,521	19,276	11,763	-12,888	13,773	19,821	20,039	19,530	19,751	77,755	61,620	74,442
76,755	0,199	0,202	0,531	0,286	0,356	102,326	19,269	20,622	-16,981	23,279	19,831	20,057	19,530	19,751	78,011	61,626	74,337
76,834	0,199	0,202	0,531	0,289	0,354	102,236	19,264	23,113	-12,463	20,587	19,823	20,043	19,526	19,744	78,089	61,622	74,324
77,000	0,199	0,202	0,531	0,282	0,356	102,016	19,265	-8,116	-15,046	22,145	19,826	20,043	19,525	19,748	77,956	61,619	74,351
77,167	0,199	0,202	0,531	0,283	0,353	101,813	19,293	13,790	-18,506	19,587	19,830	20,043	19,532	19,752	77,905	61,632	74,380
77,333	0,199	0,202	0,531	0,291	0,353	101,706	19,291	10,585	-14,913	16,251	19,845	20,057	19,531	19,754	78,161	61,572	74,307
77,500	0,199	0,201	0,531	0,286	0,355	101,569	19,308	18,818	-14,099	17,601	19,822	20,047	19,534	19,748	78,177	61,389	74,187
77,667	0,199	0,201	0,531	0,281	0,355	101,355	19,323	23,804	-14,849	19,750	19,840	20,054	19,536	19,750	78,180	61,311	74,220
77,833	0,199	0,201	0,534	0,269	0,353	101,170	19,246	20,656	-20,709	43,345	19,830	20,049	19,533	19,751	78,150	61,294	74,269
78,000	0,199	0,201	0,531	0,286	0,359	100,950	19,299	22,284	-24,664	31,221	19,832	20,049	19,533	19,747	77,929	61,275	74,273
78,167	0,199	0,201	0,531	0,283	0,362	100,838	19,409	12,402	-24,649	18,441	19,826	20,049	19,542	19,747	78,231	61,108	74,075
78,333	0,199	0,201	0,531	0,286	0,351	100,741	19,368	5,878	-14,619	15,483	19,826	20,049	19,526	19,743	78,145	60,838	73,935
78,500	0,199	0,202	0,531	0,282	0,355	100,658	19,332	23,250	-18,039	15,313	19,843	20,043	19,529	19,752	78,178	60,716	73,854
78,667	0,199	0,202	0,531	0,280	0,356	100,564	19,421	21,683	-20,270	24,082	19,822	20,047	19,542	19,752	78,232	60,584	73,622
78,833	0,199	0,201	0,530	0,280	0,359	100,476	19,417	16,903	-16,932	11,287	19,842	20,070	19,545	19,758	78,517	60,265	73,555
79,000	0,199	0,201	0,531	0,282	0,351	100,367	19,345	23,588	-17,030	22,167	19,842	20,047	19,533	19,756	78,528	60,483	74,432
79,167	0,199	0,202	0,530	0,286	0,355	100,168	19,334	10,481	-26,191	37,793	19,839	20,054	19,533	19,754	78,803	61,111	74,923
79,333	0,199	0,202	0,530	0,282	0,359	100,056	19,321	12,934	-14,981	22,092	19,832	20,048	19,532	19,754	78,694	61,372	74,975
79,500	0,199	0,201	0,530	0,281	0,357	99,948	19,371	14,611	-22,307	11,462	19,826	20,057	19,530	19,751	78,819	60,956	74,701

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
73,500	55,084	1,018	0,940	20918,696	20760,497	-0,671	0,037	504,528	12,051	14,161	4,858	2017-09-18 08:53
73,667	55,074	1,017	0,939	20849,627	20809,540	-0,664	0,036	504,762	11,783	14,047	4,839	2017-09-18 08:54
73,833	55,062	1,016	0,939	20754,392	20606,371	-0,668	0,036	504,529	11,726	14,190	4,863	2017-09-18 08:54
74,000	55,068	1,017	0,940	20651,552	20793,651	-0,654	0,036	504,529	11,909	14,095	4,847	2017-09-18 08:54
74,167	55,084	1,018	0,941	20591,853	20646,729	-0,699	0,037	504,622	11,652	14,024	4,835	2017-09-18 08:54
74,333	55,162	1,018	0,940	20460,189	20701,726	-0,890	0,037	504,529	11,924	14,112	4,850	2017-09-18 08:54
74,500	55,229	1,018	0,941	20309,511	20808,655	-0,682	0,037	504,762	11,663	14,398	4,899	2017-09-18 08:54
74,667	55,264	1,018	0,940	20235,550	20593,552	-0,887	0,037	504,949	11,685	14,458	4,909	2017-09-18 08:55
74,834	55,277	1,017	0,941	20204,478	20611,900	-0,900	0,038	505,133	11,548	14,200	4,865	2017-09-18 08:55
75,000	55,275	1,018	0,941	20208,855	20472,560	-0,904	0,037	504,435	11,404	13,908	4,815	2017-09-18 08:55
75,167	55,263	1,019	0,941	20195,681	20242,460	-0,709	0,038	512,351	11,457	14,171	4,860	2017-09-18 08:55
75,334	55,248	1,018	0,941	20130,523	20109,382	-0,682	0,038	512,258	11,699	14,417	4,902	2017-09-18 08:55
75,500	55,238	1,017	0,939	20029,405	20118,690	-0,706	0,037	512,258	11,512	14,415	4,902	2017-09-18 08:55
75,667	55,232	1,017	0,940	19962,587	19890,871	-0,692	0,037	512,258	11,573	14,277	4,878	2017-09-18 08:56
75,834	55,212	1,017	0,864	18513,708	19979,248	-0,682	0,037	512,258	11,563	14,003	4,831	2017-09-18 08:56
76,000	55,200	1,005	0,808	17999,843	18985,005	-0,678	0,038	512,257	11,606	14,166	4,859	2017-09-18 08:56
76,167	55,216	0,968	0,808	17967,638	17709,111	-0,702	0,038	512,120	11,418	14,167	4,859	2017-09-18 08:56
76,492	55,275	0,967	0,808	17762,884	17946,796	-0,678	0,038	512,120	11,194	14,243	4,872	2017-09-18 08:56
76,550	55,283	0,964	0,806	17706,916	17769,697	-0,664	0,038	512,120	11,459	14,042	4,838	2017-09-18 08:56
76,755	55,301	0,968	0,809	17645,260	18124,010	-0,880	0,038	512,120	11,446	14,251	4,874	2017-09-18 08:57
76,834	55,304	0,964	0,806	17571,363	18151,962	-0,876	0,038	512,120	11,544	14,175	4,861	2017-09-18 08:57
77,000	55,303	0,967	0,808	17639,029	18057,989	-0,900	0,038	512,120	11,298	14,242	4,872	2017-09-18 08:57
77,167	55,289	0,962	0,808	17685,714	17884,850	-0,897	0,038	512,120	11,335	14,128	4,853	2017-09-18 08:57
77,333	55,277	0,935	0,808	17626,927	17732,497	-0,689	0,038	512,027	11,627	14,130	4,853	2017-09-18 08:57
77,500	55,260	0,934	0,807	17509,503	17916,732	-0,685	0,037	512,027	11,436	14,204	4,865	2017-09-18 08:57
77,667	55,245	0,934	0,806	17536,773	18010,656	-0,887	0,037	512,121	11,232	14,185	4,862	2017-09-18 08:58
77,833	55,217	0,934	0,807	17617,971	17990,058	-0,887	0,037	512,538	10,772	14,137	4,854	2017-09-18 08:58
78,000	55,145	0,914	0,807	17698,425	17402,829	-0,675	0,037	512,027	11,446	14,347	4,890	2017-09-18 08:58
78,167	55,091	0,887	0,807	17567,184	17357,530	-0,682	0,037	512,027	11,318	14,490	4,914	2017-09-18 08:58
78,333	55,074	0,886	0,807	17454,898	17531,939	-0,678	0,037	512,027	11,424	14,046	4,838	2017-09-18 08:58
78,500	55,072	0,875	0,808	17388,803	17468,905	-0,859	0,038	512,027	11,268	14,219	4,868	2017-09-18 08:58
78,667	55,074	0,841	0,808	17175,248	16976,787	-0,869	0,038	512,026	11,205	14,238	4,871	2017-09-18 08:59
78,833	55,055	0,841	0,738	15651,624	17564,838	-0,675	0,037	511,956	11,193	14,375	4,895	2017-09-18 08:59
79,000	55,034	0,841	0,680	15129,793	17353,620	-0,689	0,037	512,027	11,290	14,033	4,836	2017-09-18 08:59
79,167	55,019	0,839	0,680	15510,175	16972,539	-0,678	0,038	511,933	11,436	14,198	4,864	2017-09-18 08:59
79,333	55,012	0,750	0,681	15575,143	14849,337	-0,883	0,038	511,932	11,263	14,376	4,895	2017-09-18 08:59
79,500	55,015	0,743	0,696	15696,782	15168,569	-0,671	0,036	511,932	11,251	14,280	4,879	2017-09-18 08:59

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
79,667	0,199	0,201	0,530	0,290	0,362	99,815	19,354	14,033	-22,292	21,040	19,835	20,051	19,536	19,755	78,831	60,554	74,188
79,833	0,199	0,202	0,530	0,276	0,352	99,713	19,353	13,238	-19,275	18,571	19,853	20,068	19,540	19,762	78,958	60,072	73,817
80,000	0,199	0,202	0,530	0,290	0,358	99,613	19,345	19,137	-16,447	12,020	19,827	20,066	19,544	19,756	79,003	59,733	73,528
80,167	0,199	0,201	0,530	0,288	0,355	99,517	19,416	21,899	-16,969	26,015	19,851	20,053	19,548	19,755	79,088	59,514	73,478
80,333	0,199	0,201	0,530	0,280	0,357	99,408	19,341	5,777	-9,044	14,979	19,840	20,053	19,553	19,755	79,147	59,417	73,178
80,500	0,207	0,423	0,530	0,278	0,352	99,303	19,319	21,142	-11,207	8,409	19,838	20,045	19,551	19,755	79,175	59,066	72,835
80,667	0,206	0,594	0,530	0,282	0,352	99,191	19,338	13,064	-14,401	25,824	19,828	20,054	19,551	19,756	79,225	58,753	72,735
80,833	0,207	0,595	0,530	0,287	0,357	98,998	19,357	19,209	-13,852	13,627	19,832	20,058	19,538	19,750	79,407	58,607	72,732
81,000	0,207	0,598	0,530	0,275	0,356	98,868	19,306	17,930	-15,834	23,313	19,840	20,057	19,546	19,752	79,576	58,547	72,781
81,167	0,207	0,581	0,530	0,276	0,019	98,752	19,350	8,646	-16,279	19,077	19,830	20,054	19,549	19,756	79,584	58,510	72,966
81,334	0,209	0,561	0,530	0,278	0,013	98,663	19,287	11,510	-15,675	15,872	19,842	20,064	19,563	19,756	79,617	58,721	73,537
81,500	0,208	0,554	0,530	0,279	0,007	98,563	19,201	12,920	-14,420	11,484	19,853	20,054	19,550	19,756	79,456	59,069	73,790
81,667	0,211	0,550	0,530	0,277	0,740	98,459	19,254	10,645	-15,903	20,957	19,843	20,064	19,570	19,760	79,492	59,205	73,896
81,834	0,219	0,555	0,530	0,281	0,655	98,281	19,234	16,528	-11,867	12,148	19,838	20,053	19,558	19,759	79,510	59,256	73,910
82,000	0,212	0,571	0,530	0,274	0,392	98,153	19,274	19,506	-14,029	23,761	19,829	20,048	19,553	19,758	79,567	59,281	73,895
82,167	0,209	0,581	0,529	0,276	0,346	97,991	19,285	21,837	-13,975	19,768	19,828	20,056	19,549	19,754	79,606	59,312	73,894
82,334	0,210	0,581	0,529	0,275	0,346	97,864	19,289	53,452	-15,940	28,609	19,832	20,060	19,559	19,759	79,490	59,365	73,929
82,500	0,209	0,574	0,529	0,275	0,352	97,788	19,316	-4,344	-14,187	28,820	19,844	20,073	19,555	19,760	79,248	59,400	73,965
82,667	0,212	0,569	0,529	0,279	0,350	97,601	19,184	69,748	-19,845	31,001	19,835	20,058	19,558	19,758	79,264	59,425	73,946
82,834	0,207	0,580	0,529	0,274	0,354	97,398	19,282	27,225	-20,555	23,216	19,835	20,051	19,545	19,758	79,409	59,447	73,907
83,000	0,208	0,561	0,530	0,276	0,349	97,305	19,258	24,615	-21,969	26,714	19,848	20,070	19,554	19,763	79,309	59,452	73,889
83,167	0,210	0,566	0,529	0,278	0,355	97,192	19,251	23,901	-20,067	20,745	19,828	20,056	19,557	19,756	79,305	59,452	73,848
83,334	0,208	0,560	0,529	0,283	0,355	97,019	19,275	19,111	-14,976	21,939	19,847	20,056	19,556	19,763	79,197	59,437	73,804
83,500	0,208	0,555	0,529	0,280	0,348	96,849	19,292	24,034	-15,974	25,065	19,830	20,065	19,559	19,760	79,101	59,400	73,745
83,667	0,208	0,554	0,529	0,275	0,354	96,720	19,298	13,612	-16,637	18,205	19,842	20,065	19,561	19,760	79,189	59,349	73,709
83,834	0,209	0,544	0,529	0,273	0,359	96,569	19,277	17,956	-17,073	20,800	19,840	20,060	19,563	19,762	79,109	59,316	73,676
84,000	0,209	0,565	0,529	0,277	0,361	96,436	19,292	15,965	-14,473	10,807	19,839	20,060	19,561	19,764	79,103	59,295	73,641
84,167	0,212	0,549	0,529	0,271	0,321	96,298	19,305	19,660	-15,668	22,880	19,847	20,068	19,557	19,765	79,062	59,294	73,587
84,333	0,213	0,556	0,529	0,274	0,469	96,165	19,285	10,602	-15,785	18,665	19,840	20,060	19,559	19,755	78,904	59,287	73,567
84,500	0,214	0,552	0,529	0,262	0,490	95,995	19,311	10,308	-14,829	14,954	19,834	20,065	19,569	19,762	78,788	59,300	73,525
84,667	0,209	0,559	0,529	0,269	0,336	95,868	19,244	17,619	-14,905	18,657	19,851	20,058	19,563	19,759	78,768	59,322	73,488
84,833	0,208	0,592	0,529	0,267	0,356	95,771	19,280	20,220	-13,256	16,421	19,853	20,055	19,571	19,762	78,833	59,341	73,470
85,000	0,207	0,608	0,529	0,271	0,359	95,669	19,230	21,207	-15,514	25,225	19,844	20,072	19,567	19,765	78,889	59,351	73,436
85,167	0,203	0,609	0,529	0,271	0,360	95,531	19,267	19,624	-15,441	16,871	19,843	20,078	19,579	19,767	79,050	59,355	73,420
85,333	0,206	0,617	0,529	0,272	0,355	95,385	19,293	14,042	-15,974	20,509	19,835	20,078	19,574	19,765	78,841	59,345	73,430
85,500	0,207	0,587	0,529	0,265	0,358	95,221	19,275	17,452	-16,096	15,873	19,855	20,065	19,576	19,763	78,947	59,341	73,449
85,667	0,208	0,564	0,529	0,264	0,354	95,039	19,250	16,093	-15,097	20,108	19,838	20,064	19,580	19,764	78,861	59,335	73,456

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
79,667	55,018	0,741	0,739	16240,967	15491,959	-0,685	0,037	511,932	11,595	14,470	4,911	2017-09-18 09:00
79,833	55,047	0,740	0,758	16313,270	15992,300	-0,671	0,038	511,932	11,051	14,066	4,842	2017-09-18 09:00
80,000	55,067	0,741	0,766	16201,404	16336,166	-0,890	0,038	511,933	11,594	14,318	4,885	2017-09-18 09:00
80,167	55,058	0,736	0,767	16185,415	16474,864	-0,859	0,037	511,839	11,539	14,217	4,868	2017-09-18 09:00
80,333	55,056	0,676	0,767	15929,368	15261,618	-0,848	0,037	511,932	11,194	14,295	4,881	2017-09-18 09:00
80,500	55,055	0,676	0,768	15645,655	15556,179	54,455	5,564	511,932	11,101	14,066	4,842	2017-09-18 09:00
80,667	55,052	0,675	0,767	15549,541	15814,626	42,718	9,861	511,839	11,280	14,094	4,847	2017-09-18 09:01
80,833	55,038	0,675	0,767	15557,935	16069,968	53,200	9,870	511,839	11,486	14,300	4,882	2017-09-18 09:01
81,000	54,980	0,675	0,767	15639,926	16247,545	48,996	9,947	511,839	10,996	14,256	4,874	2017-09-18 09:01
81,167	54,905	0,725	0,767	15876,880	17489,926	54,694	9,519	511,839	11,050	0,741	1,112	2017-09-18 09:01
81,334	54,860	0,743	0,766	16400,883	17762,002	65,889	9,030	511,839	11,102	0,522	0,932	2017-09-18 09:01
81,500	54,839	0,743	0,766	16633,133	17326,998	60,490	8,840	511,839	11,179	0,287	0,692	2017-09-18 09:01
81,667	54,866	0,743	0,766	16705,633	17246,984	76,663	8,739	511,839	11,092	29,608	7,025	2017-09-18 09:02
81,834	54,940	0,744	0,766	16661,873	17241,079	123,683	8,876	511,839	11,244	26,186	6,606	2017-09-18 09:02
82,000	54,991	0,744	0,766	16587,687	17269,178	80,805	9,268	511,839	10,954	15,685	5,113	2017-09-18 09:02
82,167	55,014	0,745	0,764	16541,574	17291,513	64,829	9,520	511,744	11,041	13,855	4,805	2017-09-18 09:02
82,334	55,028	0,744	0,765	16562,114	17127,413	68,703	9,528	511,744	10,995	13,846	4,804	2017-09-18 09:02
82,500	55,046	0,744	0,764	16570,828	16897,411	61,570	9,353	511,744	11,015	14,098	4,847	2017-09-18 09:02
82,667	55,058	0,744	0,764	16532,419	16891,801	83,192	9,221	511,744	11,163	14,006	4,832	2017-09-18 09:03
82,834	55,048	0,745	0,765	16539,271	17005,220	52,179	9,491	511,744	10,951	14,167	4,859	2017-09-18 09:03
83,000	55,014	0,744	0,765	16548,896	16913,714	55,507	9,035	511,839	11,031	13,965	4,824	2017-09-18 09:03
83,167	54,963	0,745	0,765	16551,704	16913,069	72,032	9,157	511,744	11,111	14,207	4,866	2017-09-18 09:03
83,334	54,925	0,744	0,768	16626,100	16826,968	58,072	9,004	511,744	11,310	14,210	4,867	2017-09-18 09:03
83,500	54,906	0,745	0,769	16596,838	16789,868	55,097	8,880	511,745	11,181	13,905	4,814	2017-09-18 09:03
83,667	54,920	0,744	0,768	16539,239	16896,016	56,974	8,847	511,744	11,019	14,160	4,858	2017-09-18 09:04
83,834	54,933	0,745	0,768	16499,085	16864,542	64,930	8,592	511,744	10,927	14,364	4,893	2017-09-18 09:04
84,000	54,963	0,744	0,768	16441,689	16872,762	64,353	9,117	511,744	11,079	14,428	4,904	2017-09-18 09:04
84,167	55,018	0,744	0,768	16346,965	16834,077	84,443	8,719	511,651	10,853	12,837	4,625	2017-09-18 09:04
84,333	55,054	0,743	0,768	16294,064	16670,177	87,111	8,893	511,744	10,958	18,741	5,589	2017-09-18 09:04
84,500	55,079	0,743	0,768	16231,932	16564,053	93,817	8,795	511,651	10,499	19,604	5,716	2017-09-18 09:04
84,667	55,093	0,743	0,768	16186,890	16534,165	63,909	8,976	511,651	10,741	13,446	4,734	2017-09-18 09:05
84,833	55,098	0,743	0,768	16163,888	16578,401	60,337	9,809	511,651	10,660	14,248	4,873	2017-09-18 09:05
85,000	55,087	0,743	0,768	16150,528	16614,973	52,168	10,190	511,650	10,837	14,341	4,889	2017-09-18 09:05
85,167	55,075	0,744	0,768	16155,925	16777,274	29,529	10,214	511,650	10,835	14,393	4,898	2017-09-18 09:05
85,333	55,066	0,744	0,768	16172,429	16605,324	44,910	10,415	511,651	10,886	14,208	4,866	2017-09-18 09:05
85,500	55,064	0,743	0,768	16181,326	16677,771	52,801	9,679	511,651	10,613	14,334	4,888	2017-09-18 09:05
85,667	55,080	0,744	0,768	16176,684	16619,602	55,195	9,090	511,651	10,578	14,144	4,855	2017-09-18 09:06

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
85,833	0,212	0,554	0,529	0,266	0,357	94,904	19,299	11,083	-13,885	15,438	19,846	20,060	19,557	19,760	78,756	59,330	73,433
86,000	0,209	0,542	0,529	0,274	0,353	94,812	19,315	6,417	-14,728	18,289	19,847	20,070	19,574	19,760	78,649	59,337	73,397
86,167	0,206	0,561	0,528	0,268	0,355	94,657	19,303	14,773	-13,667	17,353	19,844	20,062	19,570	19,763	78,629	59,345	73,348
86,333	0,203	0,602	0,529	0,267	0,353	94,455	19,295	13,725	-14,210	12,535	19,838	20,053	19,570	19,762	78,721	59,349	73,299
86,500	0,204	0,610	0,528	0,265	0,351	94,287	19,268	17,459	-12,738	15,759	19,846	20,077	19,567	19,765	78,642	59,361	73,253
86,667	0,204	0,603	0,528	0,264	0,362	94,149	19,088	25,106	-13,360	21,114	19,844	20,062	19,567	19,764	78,617	59,373	73,258
86,833	0,205	0,608	0,528	0,267	0,362	93,976	19,216	19,086	-13,406	18,215	19,839	20,056	19,587	19,763	78,597	59,381	73,287
87,000	0,206	0,580	0,528	0,266	0,356	93,871	19,225	25,491	-13,697	19,975	19,838	20,056	19,587	19,765	78,626	59,401	73,317
87,167	0,207	0,559	0,528	0,268	0,354	93,806	19,269	24,672	-14,585	23,010	19,856	20,080	19,592	19,769	78,504	59,433	73,299
87,333	0,209	0,575	0,528	0,264	0,353	93,674	19,296	14,168	-16,232	22,491	19,864	20,077	19,578	19,767	78,501	59,443	73,294
87,500	0,207	0,590	0,528	0,263	0,360	93,522	19,283	14,684	-14,013	16,260	19,839	20,074	19,599	19,768	78,536	59,444	73,279
87,667	0,205	0,596	0,528	0,260	0,356	93,365	19,305	23,228	-13,323	18,191	19,837	20,081	19,587	19,767	78,424	59,435	73,244
87,833	0,206	0,587	0,528	0,265	0,356	93,276	19,281	24,534	-13,677	20,987	19,844	20,074	19,591	19,764	78,354	59,428	73,228
88,000	0,211	0,571	0,528	0,263	0,353	93,149	19,290	15,126	-16,430	23,701	19,856	20,065	19,598	19,775	78,361	59,424	73,220
88,167	0,209	0,556	0,528	0,268	0,357	92,969	19,290	11,426	-14,519	18,994	19,854	20,063	19,601	19,771	78,332	59,432	73,176
88,334	0,206	0,554	0,528	0,260	0,357	92,843	19,284	16,546	-13,821	17,015	19,848	20,066	19,594	19,767	78,336	59,428	73,149
88,500	0,210	0,550	0,528	0,263	0,359	92,714	19,239	21,894	-13,542	22,916	19,846	20,060	19,587	19,767	78,222	59,433	73,122
88,667	0,207	0,549	0,528	0,257	0,354	92,567	19,297	24,718	-12,533	18,626	19,837	20,052	19,597	19,768	78,053	59,429	73,095
88,834	0,208	0,550	0,528	0,253	0,354	92,408	19,302	23,291	-14,910	22,426	19,848	20,074	19,594	19,768	77,921	59,432	73,041
89,000	0,213	0,535	0,528	0,264	0,357	92,338	19,297	15,326	-13,780	14,227	19,851	20,062	19,592	19,764	77,903	59,424	72,981
89,167	0,216	0,513	0,528	0,261	0,358	92,187	19,299	20,614	-15,398	25,906	19,836	20,065	19,597	19,763	77,791	59,419	72,932
89,334	0,211	0,532	0,528	0,264	0,349	92,110	19,310	13,104	-13,366	12,664	19,851	20,073	19,593	19,763	77,755	59,419	72,866
89,500	0,211	0,536	0,528	0,258	0,357	92,086	19,289	21,020	-13,139	24,825	19,850	20,082	19,592	19,768	77,654	59,412	72,792
89,667	0,207	0,532	0,528	0,265	0,356	91,981	19,332	9,737	-14,950	19,769	19,847	20,068	19,605	19,771	77,538	59,410	72,746
89,834	0,205	0,545	0,528	0,263	0,353	91,855	19,304	12,055	-14,661	19,290	19,864	20,085	19,605	19,773	77,420	59,409	72,676
90,000	0,207	0,539	0,528	0,258	0,355	91,788	19,293	17,193	-13,322	15,241	19,829	20,073	19,588	19,763	77,540	59,393	72,616
90,167	0,208	0,543	0,528	0,263	0,351	91,717	19,306	23,824	-14,244	20,821	19,856	20,076	19,609	19,769	77,561	59,388	72,574
90,334	0,212	0,544	0,528	0,255	0,360	91,589	19,290	15,515	-15,033	19,784	19,855	20,090	19,608	19,776	77,492	59,393	72,554
90,500	0,211	0,535	0,528	0,259	0,359	91,530	19,250	20,607	-13,710	22,769	19,843	20,074	19,620	19,772	77,406	59,386	72,538
90,667	0,205	0,538	0,528	0,254	0,363	91,460	19,293	24,448	-13,014	17,256	19,855	20,074	19,615	19,771	77,330	59,385	72,522
90,834	0,207	0,547	0,528	0,255	0,358	91,430	19,299	22,104	-15,584	27,304	19,837	20,081	19,611	19,767	77,356	59,396	72,464
91,000	0,210	0,553	0,527	0,264	0,360	91,387	19,314	9,012	-16,153	19,713	19,859	20,077	19,615	19,773	77,384	59,390	72,420
91,167	0,206	0,567	0,528	0,251	0,357	91,336	19,284	7,917	-16,387	18,610	19,851	20,080	19,597	19,767	77,441	59,385	72,416
91,333	0,207	0,577	0,527	0,260	0,356	91,341	19,245	6,914	-14,644	17,392	19,848	20,072	19,599	19,767	77,387	59,388	72,399
91,500	0,207	0,567	0,527	0,261	0,354	91,299	19,269	15,410	-13,016	16,067	19,851	20,077	19,612	19,767	77,404	59,389	72,397
91,667	0,209	0,565	0,527	0,255	0,354	91,350	19,242	20,779	-11,899	21,598	19,854	20,072	19,603	19,767	77,298	59,388	72,397
91,833	0,208	0,568	0,527	0,253	0,356	91,361	19,275	22,619	-14,683	21,014	19,843	20,080	19,609	19,767	77,337	59,390	72,399

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
85,833	55,102	0,743	0,767	16120,279	16512,494	86,013	8,862	511,650	10,623	14,297	4,881	2017-09-18 09:06
86,000	55,129	0,744	0,767	16058,113	16432,703	63,141	8,553	511,650	10,950	14,125	4,852	2017-09-18 09:06
86,167	55,161	0,744	0,768	16008,836	16412,342	44,375	9,032	511,557	10,731	14,198	4,864	2017-09-18 09:06
86,333	55,180	0,745	0,769	15970,527	16509,325	29,442	10,059	511,650	10,683	14,113	4,850	2017-09-18 09:06
86,500	55,198	0,745	0,769	15911,785	16427,755	35,196	10,247	511,557	10,619	14,045	4,838	2017-09-18 09:06
86,667	55,205	0,744	0,768	15880,802	16385,913	32,830	10,083	511,557	10,568	14,462	4,909	2017-09-18 09:07
86,833	55,197	0,744	0,763	15815,292	16349,768	37,075	10,200	511,556	10,662	14,481	4,913	2017-09-18 09:07
87,000	55,190	0,743	0,760	15795,986	16339,782	46,672	9,495	511,557	10,626	14,224	4,869	2017-09-18 09:07
87,167	55,184	0,743	0,762	15809,006	16218,684	50,685	8,972	511,557	10,701	14,145	4,855	2017-09-18 09:07
87,333	55,176	0,744	0,762	15817,631	16220,196	62,706	9,365	511,557	10,552	14,113	4,850	2017-09-18 09:07
87,500	55,184	0,744	0,761	15778,000	16247,610	50,469	9,749	511,557	10,509	14,389	4,897	2017-09-18 09:07
87,667	55,189	0,744	0,761	15740,329	16159,177	39,403	9,901	511,557	10,418	14,230	4,870	2017-09-18 09:08
87,833	55,202	0,744	0,761	15720,647	16110,254	46,919	9,674	511,557	10,603	14,243	4,872	2017-09-18 09:08
88,000	55,218	0,744	0,762	15716,300	16123,496	75,812	9,274	511,557	10,523	14,132	4,853	2017-09-18 09:08
88,167	55,238	0,744	0,762	15654,252	16093,582	64,107	8,899	511,557	10,740	14,267	4,876	2017-09-18 09:08
88,334	55,247	0,743	0,762	15626,574	16071,473	48,586	8,862	511,464	10,415	14,299	4,882	2017-09-18 09:08
88,500	55,255	0,743	0,761	15586,604	15975,616	72,261	8,739	511,483	10,511	14,375	4,895	2017-09-18 09:08
88,667	55,257	0,744	0,762	15576,089	15856,605	51,963	8,718	511,557	10,300	14,171	4,860	2017-09-18 09:09
88,834	55,256	0,744	0,762	15526,478	15735,307	57,186	8,745	511,464	10,108	14,159	4,858	2017-09-18 09:09
89,000	55,273	0,744	0,762	15469,263	15727,019	87,584	8,365	511,464	10,542	14,298	4,882	2017-09-18 09:09
89,167	55,288	0,744	0,762	15407,402	15640,135	108,583	7,835	511,464	10,454	14,324	4,886	2017-09-18 09:09
89,334	55,297	0,745	0,762	15347,913	15619,734	76,806	8,305	511,464	10,542	13,977	4,827	2017-09-18 09:09
89,500	55,307	0,744	0,762	15268,152	15531,216	75,607	8,394	511,464	10,314	14,287	4,880	2017-09-18 09:09
89,667	55,313	0,744	0,762	15223,651	15433,745	52,585	8,294	511,464	10,584	14,238	4,871	2017-09-18 09:10
89,834	55,325	0,744	0,762	15138,891	15328,209	40,168	8,632	511,464	10,512	14,120	4,851	2017-09-18 09:10
90,000	55,334	0,744	0,761	15078,685	15437,903	49,698	8,487	511,464	10,338	14,196	4,864	2017-09-18 09:10
90,167	55,343	0,744	0,762	15042,826	15466,465	60,549	8,574	511,464	10,503	14,025	4,835	2017-09-18 09:10
90,334	55,351	0,744	0,762	15021,510	15411,941	84,043	8,591	511,464	10,205	14,416	4,902	2017-09-18 09:10
90,500	55,356	0,744	0,762	14993,001	15334,149	75,854	8,368	511,464	10,356	14,348	4,890	2017-09-18 09:10
90,667	55,362	0,744	0,761	14971,399	15271,977	40,018	8,447	511,464	10,145	14,514	4,918	2017-09-18 09:11
90,834	55,366	0,744	0,761	14911,015	15279,483	54,062	8,674	511,464	10,187	14,332	4,887	2017-09-18 09:11
91,000	55,375	0,744	0,761	14859,157	15312,332	69,322	8,836	511,322	10,556	14,381	4,896	2017-09-18 09:11
91,167	55,382	0,744	0,760	14839,666	15362,379	47,144	9,176	511,464	10,040	14,288	4,880	2017-09-18 09:11
91,333	55,374	0,744	0,761	14846,159	15314,115	50,699	9,425	511,322	10,418	14,237	4,871	2017-09-18 09:11
91,500	55,372	0,744	0,762	14856,222	15325,605	50,692	9,185	511,322	10,447	14,167	4,859	2017-09-18 09:11
91,667	55,376	0,743	0,761	14837,717	15221,778	64,520	9,134	511,321	10,219	14,179	4,861	2017-09-18 09:12
91,833	55,379	0,744	0,761	14833,130	15273,380	59,486	9,195	511,322	10,131	14,252	4,874	2017-09-18 09:12

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
92,000	0,206	0,566	0,527	0,256	0,358	91,303	19,263	19,950	-12,851	15,751	19,855	20,080	19,604	19,769	77,489	59,384	72,392
92,167	0,208	0,580	0,527	0,255	0,358	91,313	19,258	23,153	-13,539	18,112	19,848	20,081	19,613	19,771	77,557	59,392	72,387
92,333	0,208	0,576	0,527	0,256	0,358	91,361	19,271	25,282	-13,471	20,683	19,850	20,081	19,613	19,768	77,446	59,390	72,402
92,500	0,206	0,573	0,527	0,256	0,357	91,304	19,136	25,494	-12,959	18,879	19,834	20,076	19,613	19,768	77,524	59,400	72,442
92,667	0,205	0,593	0,527	0,260	0,354	91,247	19,169	24,695	-14,458	21,628	19,854	20,080	19,616	19,771	77,594	59,408	72,453
92,833	0,207	0,608	0,527	0,256	0,360	91,203	19,230	21,335	-14,981	26,542	19,851	20,073	19,613	19,772	77,632	59,408	72,473
93,000	0,208	0,592	0,527	0,256	0,359	91,222	19,224	23,286	-12,867	18,553	19,851	20,076	19,616	19,771	77,553	59,410	72,493
93,167	0,210	0,578	0,527	0,257	0,355	91,212	19,211	19,029	-15,748	24,191	19,856	20,064	19,620	19,771	77,619	59,414	72,531
93,333	0,205	0,577	0,527	0,257	0,359	91,211	19,228	13,869	-14,286	16,900	19,846	20,076	19,621	19,771	77,689	59,425	72,532
93,500	0,207	0,588	0,527	0,256	0,356	91,178	19,237	22,725	-13,749	18,671	19,847	20,083	19,621	19,767	77,710	59,432	72,551
93,667	0,208	0,599	0,527	0,256	0,361	91,123	19,201	24,081	-13,764	24,850	19,850	20,087	19,604	19,769	77,669	59,427	72,574
93,833	0,208	0,575	0,527	0,253	0,353	91,107	19,207	15,484	-14,062	13,134	19,848	20,077	19,629	19,769	77,710	59,428	72,603
94,000	0,209	0,562	0,527	0,254	0,358	91,063	19,226	17,676	-15,217	27,288	19,850	20,072	19,628	19,769	77,767	59,437	72,603
94,167	0,208	0,555	0,526	0,252	0,351	91,030	19,260	16,920	-14,101	19,630	19,864	20,081	19,616	19,767	77,728	59,440	72,620
94,333	0,207	0,559	0,526	0,253	0,357	90,965	19,264	21,826	-13,330	19,098	19,860	20,074	19,629	19,768	77,679	59,436	72,623
94,500	0,213	0,569	0,527	0,252	0,358	90,944	19,281	24,210	-13,825	24,258	19,860	20,076	19,608	19,768	77,671	59,437	72,603
94,667	0,214	0,543	0,526	0,259	0,353	90,886	19,286	12,523	-15,239	21,138	19,852	20,063	19,624	19,769	77,634	59,441	72,576
94,833	0,216	0,527	0,526	0,258	0,353	90,883	19,263	17,248	-13,987	15,344	19,848	20,080	19,625	19,768	77,534	59,431	72,585
95,000	0,212	0,525	0,526	0,251	0,358	90,925	19,262	24,292	-12,465	20,892	19,867	20,078	19,621	19,771	77,507	59,427	72,573
95,167	0,212	0,545	0,526	0,253	0,352	90,897	19,280	19,953	-14,866	22,426	19,860	20,072	19,632	19,772	77,562	59,421	72,546
95,334	0,212	0,562	0,526	0,254	0,359	90,840	19,289	20,588	-16,076	25,281	19,855	20,089	19,615	19,771	77,662	59,420	72,522
95,500	0,206	0,566	0,526	0,260	0,352	90,896	19,289	14,601	-13,630	11,713	19,855	20,069	19,642	19,772	77,553	59,413	72,514
95,667	0,206	0,587	0,526	0,251	0,360	90,945	19,288	20,700	-12,783	22,016	19,854	20,073	19,642	19,772	77,524	59,408	72,523
95,834	0,205	0,602	0,526	0,253	0,356	90,942	19,251	19,745	-15,243	28,721	19,856	20,082	19,618	19,772	77,697	59,406	72,528
96,000	0,205	0,611	0,526	0,256	0,353	90,970	19,266	16,240	-14,126	13,599	19,861	20,080	19,632	19,771	77,799	59,406	72,551
96,167	0,206	0,608	0,526	0,253	0,360	91,051	19,251	22,952	-14,085	22,306	19,865	20,077	19,645	19,772	77,833	59,412	72,588
96,334	0,203	0,606	0,526	0,255	0,354	90,982	19,285	17,597	-15,020	17,419	19,864	20,082	19,645	19,773	77,892	59,414	72,623
96,500	0,206	0,613	0,526	0,254	0,356	90,879	19,296	18,842	-13,588	17,521	19,843	20,091	19,637	19,773	77,949	59,414	72,681
96,667	0,210	0,581	0,526	0,252	0,355	90,892	19,192	13,741	-16,276	22,806	19,845	20,087	19,630	19,773	77,941	59,423	72,743
96,834	0,207	0,562	0,526	0,260	0,349	90,865	19,225	13,405	-15,660	18,263	19,868	20,076	19,642	19,772	77,863	59,440	72,784
97,000	0,210	0,559	0,526	0,254	0,351	90,853	19,190	9,338	-14,700	15,304	19,864	20,078	19,634	19,775	77,868	59,453	72,788
97,167	0,208	0,561	0,526	0,248	0,357	90,821	19,122	19,374	-13,936	16,410	19,863	20,074	19,624	19,772	77,934	59,459	72,775
97,334	0,207	0,566	0,526	0,255	0,356	90,846	19,198	24,182	-13,306	22,061	19,847	20,084	19,629	19,772	77,888	59,455	72,748
97,500	0,206	0,580	0,525	0,254	0,362	90,872	19,209	20,223	-13,402	17,307	19,855	20,074	19,632	19,772	77,941	59,447	72,773
97,667	0,205	0,583	0,525	0,253	0,352	90,841	19,222	20,475	-14,124	21,440	19,871	20,077	19,648	19,772	77,898	59,449	72,778
97,833	0,206	0,577	0,525	0,251	0,360	90,811	19,258	10,463	-15,427	19,258	19,858	20,080	19,642	19,771	77,914	59,452	72,784
98,000	0,209	0,579	0,525	0,257	0,362	90,858	19,230	14,500	-14,651	18,915	19,867	20,091	19,634	19,772	78,027	59,453	72,769

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
92,000	55,384	0,745	0,762	14857,802	15429,265	43,166	9,156	511,322	10,229	14,336	4,888	2017-09-18 09:12
92,167	55,388	0,744	0,762	14840,953	15467,003	60,695	9,504	511,322	10,194	14,321	4,886	2017-09-18 09:12
92,333	55,387	0,744	0,762	14846,803	15375,418	58,145	9,400	511,322	10,228	14,312	4,884	2017-09-18 09:12
92,500	55,383	0,745	0,761	14875,636	15444,035	45,887	9,332	511,228	10,249	14,300	4,882	2017-09-18 09:12
92,667	55,384	0,744	0,761	14873,069	15471,455	36,210	9,831	511,321	10,405	14,151	4,857	2017-09-18 09:13
92,833	55,383	0,743	0,760	14890,437	15489,163	51,331	10,198	511,228	10,228	14,413	4,901	2017-09-18 09:13
93,000	55,387	0,743	0,761	14919,358	15430,714	55,090	9,790	511,228	10,234	14,362	4,893	2017-09-18 09:13
93,167	55,380	0,744	0,762	14964,665	15499,272	69,885	9,444	511,228	10,296	14,194	4,864	2017-09-18 09:13
93,333	55,372	0,745	0,761	14966,492	15558,617	41,901	9,430	511,228	10,271	14,346	4,890	2017-09-18 09:13
93,500	55,368	0,744	0,762	14995,165	15567,377	49,302	9,697	511,227	10,222	14,243	4,872	2017-09-18 09:13
93,667	55,367	0,744	0,761	15003,019	15526,245	57,620	9,976	511,228	10,238	14,452	4,908	2017-09-18 09:14
93,833	55,367	0,744	0,762	15042,422	15570,845	55,094	9,373	511,228	10,116	14,127	4,852	2017-09-18 09:14
94,000	55,367	0,745	0,762	15041,437	15613,944	66,025	9,043	511,228	10,157	14,312	4,884	2017-09-18 09:14
94,167	55,367	0,744	0,761	15049,061	15562,444	58,245	8,872	511,134	10,083	14,047	4,839	2017-09-18 09:14
94,333	55,362	0,744	0,761	15058,602	15518,061	54,587	8,975	511,135	10,117	14,290	4,880	2017-09-18 09:14
94,500	55,358	0,744	0,761	15033,524	15514,161	90,189	9,224	511,228	10,072	14,336	4,888	2017-09-18 09:14
94,667	55,354	0,745	0,762	15028,125	15496,314	97,017	8,563	511,134	10,349	14,114	4,850	2017-09-18 09:15
94,833	55,350	0,744	0,762	15038,673	15413,997	109,667	8,166	511,134	10,312	14,119	4,851	2017-09-18 09:15
95,000	55,347	0,744	0,761	15026,570	15390,461	85,047	8,131	511,135	10,045	14,312	4,884	2017-09-18 09:15
95,167	55,344	0,744	0,761	15003,252	15446,507	82,125	8,626	511,135	10,105	14,062	4,841	2017-09-18 09:15
95,334	55,342	0,745	0,762	14994,012	15538,923	80,881	9,055	511,134	10,159	14,379	4,895	2017-09-18 09:15
95,500	55,339	0,745	0,762	14990,559	15464,371	45,404	9,138	511,134	10,388	14,098	4,847	2017-09-18 09:15
95,667	55,339	0,745	0,762	15001,545	15445,086	45,428	9,681	511,040	10,049	14,385	4,896	2017-09-18 09:16
95,834	55,335	0,745	0,762	15007,038	15586,871	36,634	10,059	511,134	10,126	14,257	4,875	2017-09-18 09:16
96,000	55,336	0,745	0,762	15022,460	15669,395	41,061	10,263	511,040	10,226	14,122	4,851	2017-09-18 09:16
96,167	55,334	0,744	0,761	15047,695	15678,926	46,588	10,199	511,040	10,113	14,390	4,897	2017-09-18 09:16
96,334	55,331	0,744	0,761	15071,983	15724,603	29,717	10,145	511,040	10,217	14,144	4,855	2017-09-18 09:16
96,500	55,330	0,744	0,760	15119,090	15777,089	47,464	10,313	511,040	10,147	14,224	4,869	2017-09-18 09:16
96,667	55,325	0,744	0,761	15191,590	15772,160	69,478	9,527	511,040	10,088	14,200	4,865	2017-09-18 09:17
96,834	55,325	0,745	0,762	15240,796	15708,687	54,260	9,056	511,040	10,399	13,949	4,822	2017-09-18 09:17
97,000	55,325	0,745	0,762	15242,085	15691,583	69,318	8,971	511,040	10,149	14,021	4,834	2017-09-18 09:17
97,167	55,323	0,744	0,762	15242,368	15724,766	56,105	9,025	511,040	9,938	14,266	4,876	2017-09-18 09:17
97,334	55,317	0,744	0,761	15204,884	15689,422	51,328	9,147	511,040	10,184	14,231	4,870	2017-09-18 09:17
97,500	55,320	0,744	0,761	15220,989	15736,960	47,113	9,494	510,978	10,148	14,465	4,910	2017-09-18 09:17
97,667	55,320	0,743	0,761	15230,727	15691,346	42,245	9,585	510,947	10,136	14,089	4,846	2017-09-18 09:18
97,833	55,322	0,744	0,761	15230,733	15713,560	47,586	9,415	510,947	10,052	14,389	4,897	2017-09-18 09:18
98,000	55,320	0,745	0,761	15208,649	15827,138	64,134	9,468	510,947	10,285	14,470	4,911	2017-09-18 09:18

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
98,167	0,207	0,587	0,525	0,249	0,355	90,884	19,238	16,108	-15,446	24,261	19,871	20,082	19,639	19,772	78,069	59,453	72,785
98,333	0,209	0,609	0,525	0,252	0,354	90,961	19,200	18,988	-12,789	15,568	19,859	20,087	19,643	19,772	78,151	59,455	72,827
98,500	0,205	0,603	0,525	0,245	0,359	91,040	19,218	23,254	-12,857	23,340	19,876	20,077	19,648	19,769	78,181	59,460	72,869
98,667	0,203	0,604	0,525	0,256	0,348	91,027	19,241	23,038	-13,374	22,600	19,852	20,084	19,646	19,772	78,274	59,474	72,920
98,833	0,208	0,575	0,525	0,262	0,352	91,040	19,250	25,398	-14,380	24,599	19,867	20,086	19,654	19,773	78,294	59,480	72,962
99,000	0,211	0,543	0,525	0,261	0,360	91,049	19,141	13,511	-15,187	20,467	19,867	20,097	19,650	19,772	78,262	59,490	72,989
99,167	0,209	0,541	0,525	0,258	0,364	91,066	19,002	18,293	-14,089	16,160	19,859	20,078	19,647	19,772	78,184	59,500	73,082
99,333	0,209	0,565	0,525	0,252	0,360	91,175	19,022	19,161	-15,450	27,702	19,867	20,094	19,647	19,773	78,220	59,553	73,193
99,500	0,208	0,589	0,525	0,254	0,359	91,201	19,009	15,025	-13,875	16,019	19,865	20,085	19,646	19,773	78,280	59,628	73,220
99,667	0,206	0,621	0,525	0,248	0,358	91,239	19,104	23,337	-15,345	20,406	19,879	20,095	19,658	19,775	78,335	59,663	73,191
99,833	0,204	0,623	0,525	0,253	0,357	91,254	19,069	15,591	-16,699	21,993	19,860	20,091	19,643	19,772	78,417	59,658	73,225
100,000	0,209	0,601	0,525	0,256	0,358	91,206	18,969	13,557	-13,175	13,267	19,858	20,073	19,642	19,773	78,510	59,658	73,290
100,167	0,208	0,563	0,524	0,255	0,360	91,192	19,096	21,860	-13,954	21,218	19,872	20,086	19,649	19,776	78,425	59,664	73,341
100,333	0,208	0,558	0,525	0,249	0,352	91,169	19,136	12,262	-14,756	21,346	19,876	20,082	19,651	19,775	78,462	59,678	73,384
100,500	0,211	0,550	0,525	0,253	0,354	91,172	19,165	13,708	-13,912	19,185	19,875	20,085	19,662	19,775	78,487	59,693	73,367
100,667	0,207	0,581	0,524	0,250	0,356	91,158	19,182	18,847	-13,841	17,587	19,875	20,089	19,654	19,772	78,452	59,701	73,388
100,833	0,208	0,591	0,524	0,249	0,353	91,140	19,175	21,034	-13,606	30,388	19,865	20,076	19,639	19,771	78,524	59,701	73,402
101,000	0,207	0,600	0,524	0,251	0,360	91,123	19,195	13,909	-14,849	19,999	19,863	20,089	19,648	19,771	78,545	59,705	73,410
101,167	0,207	0,598	0,524	0,251	0,356	91,064	19,183	15,536	-15,601	18,635	19,869	20,090	19,680	19,776	78,553	59,710	73,421
101,333	0,209	0,566	0,524	0,250	0,353	91,120	19,220	16,114	-14,189	23,995	19,858	20,101	19,656	19,773	78,601	59,711	73,445
101,500	0,208	0,552	0,523	0,249	0,356	91,068	19,233	14,099	-14,616	16,067	19,858	20,077	19,671	19,776	78,525	59,715	73,478
101,667	0,209	0,566	0,524	0,257	0,359	91,031	19,242	7,741	-15,098	19,032	19,876	20,098	19,656	19,775	78,513	59,718	73,515
101,834	0,209	0,570	0,524	0,258	0,355	90,979	19,242	11,028	-13,784	14,633	19,869	20,097	19,666	19,777	78,458	59,721	73,476
102,000	0,208	0,574	0,524	0,254	0,353	90,988	19,241	21,001	-12,488	18,416	19,871	20,099	19,669	19,776	78,563	59,720	73,453
102,167	0,212	0,562	0,524	0,254	0,353	90,977	19,241	24,059	-12,262	21,633	19,877	20,090	19,680	19,773	78,444	59,711	73,437
102,334	0,209	0,567	0,524	0,256	0,349	90,959	19,228	17,845	-17,139	24,671	19,867	20,102	19,660	19,775	78,509	59,710	73,465
102,500	0,205	0,597	0,523	0,247	0,357	90,912	19,249	14,381	-15,436	13,055	19,867	20,103	19,672	19,776	78,529	59,713	73,449
102,667	0,203	0,611	0,523	0,255	0,362	90,950	19,243	23,696	-12,810	19,646	19,881	20,095	19,670	19,779	78,543	59,717	73,426
102,834	0,205	0,601	0,523	0,256	0,360	90,886	19,355	25,909	-12,775	20,868	19,882	20,095	19,667	19,775	78,471	59,718	73,414
103,000	0,205	0,579	0,523	0,253	0,357	90,867	19,375	20,140	-16,162	28,566	19,875	20,107	19,677	19,777	78,529	59,706	73,434
103,167	0,208	0,561	0,524	0,256	0,351	90,884	19,318	15,666	-13,305	15,093	19,880	20,098	19,666	19,776	78,485	59,694	73,436
103,334	0,209	0,571	0,523	0,251	0,349	90,889	19,314	23,438	-13,517	21,193	19,864	20,094	19,683	19,775	78,468	59,691	73,428
103,500	0,208	0,566	0,523	0,252	0,353	90,860	19,300	15,370	-15,616	24,403	19,869	20,099	19,679	19,776	78,393	59,693	73,407
103,667	0,206	0,574	0,523	0,251	0,354	90,829	19,293	16,206	-13,425	17,779	19,871	20,089	19,686	19,777	78,362	59,683	73,406
103,834	0,205	0,574	0,523	0,253	0,353	90,807	19,313	23,684	-13,491	18,739	19,877	20,095	19,676	19,781	78,425	59,678	73,395
104,000	0,205	0,576	0,523	0,249	0,355	90,812	19,311	22,442	-19,147	26,388	19,863	20,093	19,668	19,777	78,435	59,677	73,372
104,167	0,204	0,593	0,523	0,255	0,351	90,850	19,300	14,944	-12,749	12,338	19,871	20,103	19,679	19,779	78,406	59,678	73,367

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
98,167	55,319	0,745	0,762	15253,171	15864,401	48,791	9,675	510,947	9,965	14,197	4,864	2017-09-18 09:18
98,333	55,319	0,745	0,762	15280,686	15933,218	63,464	10,236	510,947	10,076	14,176	4,861	2017-09-18 09:18
98,500	55,312	0,744	0,761	15300,370	15945,948	40,633	10,077	510,947	9,815	14,355	4,891	2017-09-18 09:18
98,667	55,311	0,745	0,761	15346,566	16014,065	28,639	10,109	510,947	10,227	13,935	4,819	2017-09-18 09:19
98,833	55,307	0,745	0,761	15391,436	16031,939	60,858	9,385	510,947	10,471	14,077	4,844	2017-09-18 09:19
99,000	55,305	0,744	0,760	15402,179	15988,256	74,259	8,577	510,947	10,435	14,405	4,900	2017-09-18 09:19
99,167	55,299	0,745	0,747	15217,919	15917,844	62,835	8,527	510,947	10,317	14,542	4,923	2017-09-18 09:19
99,333	55,293	0,745	0,743	15237,194	15903,597	61,619	9,121	510,853	10,079	14,397	4,898	2017-09-18 09:19
99,500	55,296	0,745	0,744	15271,064	15896,458	59,284	9,717	510,853	10,162	14,355	4,891	2017-09-18 09:19
99,667	55,295	0,745	0,745	15282,591	15923,903	45,247	10,514	510,853	9,933	14,328	4,887	2017-09-18 09:20
99,833	55,296	0,744	0,746	15324,526	15973,563	30,206	10,563	510,853	10,128	14,277	4,878	2017-09-18 09:20
100,000	55,296	0,745	0,746	15377,644	16058,553	61,251	10,017	510,853	10,221	14,337	4,888	2017-09-18 09:20
100,167	55,301	0,745	0,746	15416,693	15985,311	57,550	9,087	510,808	10,193	14,414	4,901	2017-09-18 09:20
100,333	55,304	0,745	0,746	15462,021	16007,795	56,324	8,959	510,853	9,974	14,063	4,841	2017-09-18 09:20
100,500	55,301	0,744	0,746	15443,845	16007,367	78,765	8,757	510,853	10,137	14,159	4,858	2017-09-18 09:20
100,667	55,297	0,744	0,746	15459,297	15957,218	54,903	9,531	510,760	10,001	14,231	4,870	2017-09-18 09:21
100,833	55,293	0,745	0,746	15475,859	16041,104	59,086	9,787	510,760	9,971	14,134	4,854	2017-09-18 09:21
101,000	55,297	0,745	0,746	15490,822	16059,791	50,504	9,995	510,760	10,021	14,385	4,896	2017-09-18 09:21
101,167	55,295	0,745	0,746	15490,628	16056,733	49,656	9,948	510,760	10,042	14,248	4,873	2017-09-18 09:21
101,333	55,285	0,744	0,745	15501,442	16066,703	61,609	9,155	510,760	9,985	14,133	4,853	2017-09-18 09:21
101,500	55,276	0,744	0,745	15548,766	16014,632	56,439	8,798	510,635	9,945	14,235	4,871	2017-09-18 09:21
101,667	55,273	0,744	0,745	15570,653	16001,788	67,275	9,161	510,760	10,291	14,350	4,890	2017-09-18 09:22
101,834	55,276	0,744	0,746	15552,870	15957,794	63,217	9,262	510,760	10,301	14,218	4,868	2017-09-18 09:22
102,000	55,281	0,744	0,745	15523,614	16042,309	55,035	9,338	510,760	10,152	14,115	4,850	2017-09-18 09:22
102,167	55,285	0,744	0,745	15504,736	15939,770	84,814	9,062	510,760	10,150	14,112	4,850	2017-09-18 09:22
102,334	55,289	0,745	0,746	15534,942	16012,376	64,232	9,185	510,760	10,254	13,950	4,822	2017-09-18 09:22
102,500	55,283	0,745	0,746	15525,301	16032,388	38,962	9,913	510,620	9,874	14,295	4,881	2017-09-18 09:22
102,667	55,261	0,745	0,746	15521,491	16037,762	29,088	10,264	510,620	10,213	14,465	4,910	2017-09-18 09:23
102,834	55,251	0,744	0,745	15515,314	15958,596	40,626	10,014	510,620	10,229	14,402	4,899	2017-09-18 09:23
103,000	55,248	0,745	0,746	15556,982	16039,499	40,970	9,463	510,619	10,109	14,288	4,880	2017-09-18 09:23
103,167	55,240	0,744	0,746	15554,597	16003,906	57,724	9,026	510,760	10,229	14,031	4,836	2017-09-18 09:23
103,334	55,237	0,745	0,746	15547,573	15999,335	62,057	9,274	510,620	10,031	13,970	4,825	2017-09-18 09:23
103,500	55,233	0,745	0,746	15536,085	15928,144	56,765	9,145	510,620	10,098	14,133	4,853	2017-09-18 09:23
103,667	55,234	0,745	0,746	15526,161	15908,704	44,837	9,351	510,620	10,057	14,171	4,860	2017-09-18 09:24
103,834	55,240	0,744	0,746	15512,072	15965,789	40,015	9,356	510,526	10,110	14,102	4,848	2017-09-18 09:24
104,000	55,241	0,744	0,746	15496,500	15975,025	41,895	9,392	510,526	9,957	14,204	4,865	2017-09-18 09:24
104,167	55,245	0,745	0,746	15489,964	15959,252	32,454	9,819	510,526	10,202	14,025	4,835	2017-09-18 09:24

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
104,334	0,204	0,605	0,523	0,258	0,353	90,793	19,249	21,693	-15,050	23,217	19,875	20,106	19,670	19,779	78,551	59,675	73,349
104,500	0,204	0,604	0,523	0,250	0,351	90,736	19,283	10,342	-16,240	20,546	19,889	20,088	19,684	19,780	78,470	59,671	73,363
104,667	0,204	0,589	0,523	0,248	0,350	90,778	19,323	10,334	-13,899	17,483	19,868	20,082	19,683	19,779	78,478	59,672	73,405
104,833	0,204	0,596	0,523	0,252	0,351	90,801	19,292	17,213	-13,338	18,038	19,885	20,119	19,690	19,780	78,472	59,677	73,430
105,000	0,205	0,587	0,523	0,250	0,353	90,735	19,297	23,743	-13,111	18,532	19,880	20,102	19,679	19,780	78,528	59,682	73,441
105,167	0,207	0,580	0,523	0,254	0,356	90,810	19,285	25,031	-11,728	20,385	19,871	20,110	19,689	19,780	78,549	59,675	73,434
105,333	0,211	0,573	0,522	0,254	0,356	90,766	19,279	22,545	-15,592	21,049	19,875	20,110	19,693	19,780	78,532	59,674	73,453
105,500	0,207	0,561	0,522	0,250	0,354	90,735	19,309	15,519	-16,810	21,638	19,871	20,094	19,693	19,783	78,451	59,675	73,457
105,667	0,207	0,579	0,522	0,250	0,353	90,736	19,306	8,614	-16,625	19,600	19,883	20,101	19,690	19,781	78,535	59,672	73,453
105,833	0,206	0,595	0,522	0,251	0,359	90,675	19,326	8,387	-16,083	18,343	19,880	20,103	19,689	19,783	78,664	59,672	73,445
106,000	0,207	0,584	0,522	0,248	0,364	90,600	19,300	7,259	-12,479	13,684	19,875	20,098	19,694	19,781	78,663	59,670	73,449
106,167	0,210	0,571	0,522	0,249	0,350	90,587	19,328	13,116	-8,745	20,700	19,869	20,107	19,692	19,780	78,590	59,664	73,307
106,333	0,207	0,569	0,522	0,245	0,348	90,606	19,396	22,736	-13,215	19,739	19,880	20,099	19,681	19,777	78,618	59,531	73,125
106,500	0,208	0,583	0,522	0,254	0,353	90,652	19,475	13,107	-14,483	21,697	19,884	20,115	19,693	19,783	78,580	59,525	73,241
106,667	0,207	0,609	0,522	0,255	0,353	90,706	19,417	17,910	-12,446	14,978	19,877	20,097	19,698	19,779	78,551	59,636	73,324
106,833	0,205	0,610	0,522	0,254	0,360	90,728	19,390	23,587	-13,701	22,099	19,862	20,094	19,697	19,781	78,599	59,689	73,282
107,000	0,207	0,592	0,522	0,247	0,360	90,781	19,396	17,124	-14,166	14,907	19,879	20,090	19,697	19,780	78,537	59,678	73,290
107,167	0,207	0,570	0,522	0,251	0,357	90,749	19,355	22,087	-14,614	24,828	19,859	20,109	19,692	19,781	78,513	59,674	73,318
107,333	0,206	0,571	0,522	0,254	0,356	90,723	19,339	9,974	-15,746	19,240	19,868	20,101	19,698	19,781	78,489	59,677	73,322
107,500	0,207	0,585	0,522	0,245	0,359	90,666	19,343	10,151	-13,755	13,827	19,873	20,107	19,707	19,781	78,530	59,682	73,312
107,667	0,207	0,568	0,522	0,250	0,351	90,652	19,359	11,366	-14,237	16,827	19,863	20,099	19,694	19,781	78,421	59,689	73,275
107,833	0,207	0,564	0,521	0,250	0,358	90,686	19,360	6,879	-15,177	18,217	19,868	20,106	19,693	19,783	78,446	59,694	73,243
108,000	0,207	0,568	0,522	0,247	0,352	90,657	19,363	16,375	-13,966	13,749	19,875	20,099	19,698	19,783	78,371	59,695	73,218
108,167	0,207	0,575	0,522	0,252	0,349	90,607	19,376	19,102	-14,545	27,174	19,871	20,101	19,710	19,784	78,282	59,706	73,195
108,333	0,207	0,578	0,522	0,251	0,355	90,652	19,381	10,888	-13,256	16,097	19,881	20,099	19,704	19,783	78,290	59,706	73,160
108,500	0,212	0,592	0,522	0,254	0,359	90,686	19,385	21,421	-12,510	16,506	19,885	20,102	19,697	19,784	78,389	59,703	73,120
108,667	0,207	0,598	0,522	0,250	0,354	90,606	19,364	24,711	-12,612	20,555	19,853	20,093	19,693	19,783	78,309	59,709	73,100
108,834	0,207	0,576	0,522	0,257	0,357	90,594	19,363	20,739	-15,275	22,397	19,875	20,102	19,717	19,785	78,180	59,717	73,113
109,000	0,216	0,548	0,522	0,251	0,350	90,539	19,374	11,235	-15,446	17,713	19,884	20,105	19,700	19,781	78,170	59,715	73,095
109,167	0,213	0,520	0,522	0,246	0,358	90,527	19,370	20,442	-13,833	16,192	19,867	20,103	19,709	19,784	78,158	59,721	73,078
109,334	0,215	0,514	0,521	0,251	0,358	90,508	19,393	18,369	-14,127	15,489	19,883	20,107	19,727	19,785	78,075	59,722	73,037
109,500	0,211	0,542	0,521	0,255	0,358	90,433	19,394	23,317	-12,350	21,848	19,889	20,106	19,693	19,785	77,946	59,717	72,997
109,667	0,210	0,551	0,521	0,248	0,351	90,490	19,380	20,673	-15,294	28,501	19,877	20,099	19,706	19,784	77,955	59,717	72,958
109,834	0,209	0,553	0,522	0,249	0,353	90,466	19,383	4,591	-10,519	15,693	19,883	20,101	19,714	19,787	77,832	59,718	72,906
110,000	0,210	0,545	0,521	0,251	0,355	90,439	19,403	23,769	-13,739	21,316	19,875	20,111	19,708	19,785	77,822	59,724	72,885
110,167	0,211	0,548	0,521	0,254	0,359	90,419	19,360	19,136	-15,517	20,809	19,889	20,102	19,709	19,788	77,712	59,717	72,838
110,334	0,210	0,560	0,521	0,249	0,354	90,484	19,377	9,910	-15,568	18,118	19,876	20,107	19,710	19,789	77,669	59,711	72,821

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
104,334	55,244	0,745	0,746	15468,032	16077,803	31,395	10,129	510,526	10,318	14,137	4,854	2017-09-18 09:24
104,500	55,237	0,745	0,746	15491,859	16012,201	35,588	10,091	510,526	10,008	14,046	4,838	2017-09-18 09:24
104,667	55,228	0,745	0,746	15533,384	16016,917	30,352	9,733	510,526	9,918	13,995	4,830	2017-09-18 09:25
104,833	55,222	0,745	0,745	15541,351	16009,887	30,936	9,911	510,526	10,070	14,045	4,838	2017-09-18 09:25
105,000	55,216	0,744	0,746	15578,916	16046,069	38,319	9,685	510,526	9,984	14,133	4,853	2017-09-18 09:25
105,167	55,213	0,744	0,745	15563,384	16060,621	49,021	9,512	510,526	10,162	14,252	4,874	2017-09-18 09:25
105,333	55,209	0,744	0,745	15579,087	16044,140	74,568	9,330	510,432	10,149	14,251	4,873	2017-09-18 09:25
105,500	55,208	0,744	0,746	15591,801	15976,965	49,879	9,034	510,432	10,018	14,153	4,857	2017-09-18 09:25
105,667	55,208	0,744	0,746	15597,319	16064,967	53,843	9,485	510,432	10,009	14,117	4,851	2017-09-18 09:26
105,833	55,210	0,744	0,745	15577,796	16154,180	45,244	9,878	510,432	10,027	14,372	4,894	2017-09-18 09:26
106,000	55,213	0,745	0,746	15598,437	16184,670	49,212	9,599	510,432	9,905	14,545	4,924	2017-09-18 09:26
106,167	55,220	0,745	0,784	16247,921	16124,415	70,389	9,282	510,432	9,954	14,012	4,832	2017-09-18 09:26
106,333	55,216	0,770	0,788	16173,072	16820,536	54,489	9,235	510,432	9,797	13,919	4,817	2017-09-18 09:26
106,500	55,214	0,780	0,788	16275,068	17007,562	55,115	9,571	510,432	10,165	14,101	4,848	2017-09-18 09:26
106,667	55,206	0,781	0,788	16363,363	16895,321	51,522	10,215	510,432	10,203	14,103	4,848	2017-09-18 09:27
106,833	55,202	0,782	0,793	16428,492	16907,987	38,312	10,257	510,432	10,145	14,391	4,898	2017-09-18 09:27
107,000	55,198	0,781	0,792	16427,472	16860,395	50,442	9,803	510,432	9,878	14,410	4,901	2017-09-18 09:27
107,167	55,196	0,782	0,792	16448,211	16845,317	49,017	9,257	510,339	10,044	14,270	4,877	2017-09-18 09:27
107,333	55,214	0,781	0,791	16413,527	16808,814	45,167	9,283	510,339	10,148	14,240	4,872	2017-09-18 09:27
107,500	55,244	0,781	0,790	16366,389	16833,372	53,162	9,613	510,339	9,806	14,357	4,892	2017-09-18 09:27
107,667	55,263	0,781	0,791	16328,220	16747,208	50,063	9,203	510,339	10,012	14,036	4,837	2017-09-18 09:28
107,833	55,271	0,781	0,791	16291,111	16747,765	53,075	9,095	510,245	9,986	14,328	4,887	2017-09-18 09:28
108,000	55,275	0,781	0,791	16266,990	16688,496	54,072	9,210	510,339	9,893	14,083	4,845	2017-09-18 09:28
108,167	55,283	0,781	0,791	16235,922	16606,684	51,977	9,366	510,339	10,069	13,973	4,826	2017-09-18 09:28
108,333	55,307	0,781	0,791	16182,046	16595,478	50,282	9,448	510,339	10,031	14,188	4,863	2017-09-18 09:28
108,500	55,320	0,782	0,791	16133,293	16712,422	80,909	9,788	510,339	10,148	14,341	4,889	2017-09-18 09:28
108,667	55,327	0,781	0,791	16108,550	16627,101	53,954	9,944	510,339	9,989	14,173	4,860	2017-09-18 09:29
108,834	55,328	0,781	0,791	16112,221	16502,934	53,485	9,391	510,339	10,282	14,290	4,880	2017-09-18 09:29
109,000	55,331	0,781	0,791	16093,517	16484,883	106,551	8,707	510,339	10,060	13,998	4,830	2017-09-18 09:29
109,167	55,343	0,781	0,791	16077,136	16474,748	91,392	8,005	510,339	9,834	14,339	4,889	2017-09-18 09:29
109,334	55,360	0,781	0,792	16047,052	16404,873	99,901	7,860	510,244	10,054	14,321	4,886	2017-09-18 09:29
109,500	55,374	0,781	0,792	15991,635	16296,295	79,016	8,544	510,244	10,218	14,315	4,884	2017-09-18 09:29
109,667	55,382	0,782	0,792	15949,033	16305,164	71,420	8,777	510,244	9,937	14,037	4,837	2017-09-18 09:30
109,834	55,388	0,781	0,791	15875,780	16184,736	64,166	8,814	510,339	9,968	14,107	4,849	2017-09-18 09:30
110,000	55,391	0,781	0,791	15853,727	16176,564	72,039	8,621	510,244	10,051	14,213	4,867	2017-09-18 09:30
110,167	55,402	0,781	0,791	15795,097	16072,497	78,383	8,706	510,244	10,175	14,351	4,891	2017-09-18 09:30
110,334	55,403	0,781	0,792	15816,516	16047,302	72,696	9,002	510,244	9,950	14,162	4,858	2017-09-18 09:30

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
110,500	0,208	0,571	0,521	0,249	0,354	90,424	19,377	16,725	-14,380	20,271	19,884	20,114	19,701	19,787	77,793	59,717	72,793
110,667	0,206	0,598	0,521	0,252	0,355	90,472	19,308	21,715	-14,350	21,522	19,893	20,103	19,721	19,788	77,787	59,710	72,754
110,834	0,207	0,586	0,521	0,242	0,357	90,433	19,353	10,284	-16,091	21,182	19,880	20,110	19,710	19,788	77,771	59,701	72,754
111,000	0,206	0,587	0,521	0,256	0,357	90,415	19,380	11,107	-12,992	13,221	19,876	20,114	19,725	19,789	77,926	59,702	72,746
111,167	0,207	0,591	0,521	0,251	0,348	90,393	19,367	21,606	-14,131	21,766	19,876	20,115	19,725	19,788	77,756	59,701	72,763
111,333	0,206	0,614	0,521	0,255	0,351	90,410	19,367	13,917	-13,230	13,749	19,878	20,113	19,723	19,792	77,771	59,699	72,781
111,500	0,208	0,618	0,521	0,252	0,354	90,400	19,333	18,650	-13,242	19,776	19,883	20,122	19,730	19,791	77,895	59,709	72,755
111,667	0,205	0,610	0,521	0,245	0,355	90,506	19,350	19,274	-14,855	24,252	19,887	20,117	19,735	19,789	77,909	59,717	72,771
111,833	0,206	0,627	0,521	0,254	0,357	90,518	19,364	14,307	-13,928	17,916	19,887	20,107	19,718	19,792	78,083	59,721	72,804
112,000	0,204	0,630	0,521	0,252	0,354	90,537	19,320	23,294	-12,887	18,729	19,888	20,115	19,730	19,793	78,110	59,729	72,843
112,167	0,205	0,634	0,520	0,249	0,361	90,601	19,346	24,598	-12,963	24,106	19,883	20,113	19,733	19,792	78,173	59,740	72,890
112,333	0,205	0,607	0,520	0,253	0,357	90,656	19,350	23,306	-14,694	23,741	19,885	20,120	19,718	19,792	78,307	59,749	72,944
112,500	0,210	0,575	0,520	0,245	0,354	90,767	19,344	15,957	-13,632	14,901	19,868	20,119	19,738	19,793	78,181	59,769	72,986
112,667	0,208	0,563	0,520	0,248	0,353	90,853	19,350	21,132	-15,171	26,786	19,887	20,124	19,726	19,793	78,100	59,769	73,035
112,833	0,206	0,578	0,520	0,252	0,354	90,848	19,348	13,635	-13,132	14,757	19,899	20,130	19,734	19,800	78,151	59,765	73,047
113,000	0,207	0,584	0,520	0,250	0,354	90,901	19,326	23,346	-12,705	20,067	19,879	20,124	19,740	19,793	78,151	59,765	73,035
113,167	0,207	0,573	0,520	0,253	0,357	90,867	19,337	23,228	-14,574	26,860	19,887	20,123	19,755	19,797	78,200	59,761	73,028

Froling_PE135kw_170918_start_cat III.DAT

Pre burn Category III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
110,500	55,407	0,780	0,790	15737,300	16133,350	57,033	9,286	510,244	9,980	14,156	4,857	2017-09-18 09:30
110,667	55,403	0,781	0,790	15712,655	16144,495	45,675	9,946	510,151	10,085	14,197	4,864	2017-09-18 09:31
110,834	55,403	0,780	0,791	15717,654	16132,092	49,663	9,645	510,151	9,682	14,263	4,876	2017-09-18 09:31
111,000	55,414	0,780	0,790	15687,118	16269,910	46,919	9,665	510,151	10,251	14,273	4,877	2017-09-18 09:31
111,167	55,422	0,781	0,791	15714,085	16123,937	50,699	9,775	510,151	10,023	13,939	4,820	2017-09-18 09:31
111,333	55,430	0,781	0,790	15709,259	16142,617	46,516	10,350	510,151	10,185	14,045	4,838	2017-09-18 09:31
111,500	55,437	0,781	0,790	15685,827	16253,820	59,784	10,460	510,151	10,081	14,179	4,861	2017-09-18 09:31
111,667	55,441	0,781	0,791	15708,076	16248,299	36,429	10,238	510,151	9,788	14,211	4,867	2017-09-18 09:32
111,833	55,442	0,781	0,791	15730,303	16398,033	47,950	10,665	510,151	10,163	14,294	4,881	2017-09-18 09:32
112,000	55,446	0,780	0,791	15765,627	16408,051	34,543	10,750	510,151	10,095	14,168	4,859	2017-09-18 09:32
112,167	55,441	0,779	0,790	15790,766	16435,442	37,002	10,842	510,057	9,952	14,423	4,903	2017-09-18 09:32
112,333	55,413	0,780	0,790	15866,941	16551,853	39,772	10,165	510,057	10,118	14,288	4,880	2017-09-18 09:32
112,500	55,402	0,781	0,791	15937,088	16442,182	68,728	9,369	510,057	9,802	14,174	4,860	2017-09-18 09:32
112,667	55,392	0,780	0,791	15991,382	16364,950	56,501	9,065	510,057	9,935	14,106	4,849	2017-09-18 09:33
112,833	55,387	0,780	0,790	15992,973	16410,140	43,799	9,440	510,057	10,079	14,179	4,861	2017-09-18 09:33
113,000	55,386	0,780	0,790	15973,026	16395,807	50,494	9,599	510,057	10,014	14,152	4,857	2017-09-18 09:33
113,167	55,386	0,781	0,791	15988,831	16464,047	49,653	9,319	510,057	10,116	14,270	4,877	2017-09-18 09:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

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	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,215	0,541	0,520	0,254	0,356	91,000	19,309	11,259	-16,989	17,924	19,891	20,117	19,734	19,792	78,002	59,760	73,013
0,192	0,209	0,549	0,520	0,257	0,354	91,139	19,326	15,037	-15,834	19,219	19,905	20,126	19,754	19,801	78,154	59,754	72,967
0,334	0,208	0,559	0,520	0,251	0,353	91,109	19,303	17,984	-15,905	24,194	19,897	20,113	19,729	19,792	77,903	59,748	72,944
0,525	0,206	0,570	0,520	0,252	0,355	91,134	19,275	12,525	-13,759	16,003	19,900	20,130	19,747	19,800	78,031	59,741	72,939
0,791	0,207	0,567	0,520	0,254	0,355	91,202	19,172	17,648	-17,202	22,718	19,887	20,119	19,746	19,795	78,129	59,732	72,939
0,849	0,206	0,576	0,520	0,254	0,354	91,197	19,092	10,818	-13,881	17,657	19,899	20,119	19,737	19,799	78,108	59,732	72,944
1,097	0,205	0,604	0,520	0,253	0,356	91,238	19,222	8,661	-16,181	17,421	19,893	20,126	19,748	19,807	78,289	59,717	72,971
1,288	0,208	0,608	0,519	0,245	0,356	91,314	19,253	14,914	-14,233	17,860	19,882	20,121	19,760	19,800	78,348	59,717	72,990
1,346	0,207	0,603	0,520	0,250	0,355	91,288	19,241	15,714	-10,539	24,147	19,884	20,118	19,744	19,796	78,273	59,714	73,010
1,524	0,207	0,588	0,519	0,251	0,354	91,257	19,199	16,960	-13,054	14,557	19,889	20,131	19,751	19,797	78,189	59,717	73,083
1,701	0,208	0,584	0,519	0,251	0,350	91,344	19,183	16,551	-12,117	12,544	19,908	20,135	19,755	19,804	78,231	59,732	73,104
1,860	0,208	0,560	0,519	0,251	0,348	91,339	19,195	20,690	-12,910	18,578	19,895	20,127	19,752	19,795	78,296	59,740	73,054
2,000	0,211	0,563	0,519	0,248	0,353	91,369	19,218	24,455	-11,652	22,053	19,900	20,139	19,754	19,803	78,381	59,742	73,043
2,167	0,209	0,573	0,519	0,259	0,353	91,387	19,231	26,531	-12,337	21,559	19,885	20,117	19,760	19,797	78,203	59,736	73,063
2,334	0,208	0,584	0,519	0,255	0,353	91,416	19,190	22,002	-14,508	26,067	19,887	20,119	19,738	19,791	78,293	59,732	73,101
2,500	0,211	0,577	0,519	0,251	0,356	91,444	19,169	16,176	-13,230	13,027	19,888	20,123	19,748	19,795	78,348	59,741	73,085
2,667	0,206	0,591	0,519	0,251	0,355	91,430	19,160	20,801	-14,407	26,118	19,901	20,119	19,751	19,793	78,331	59,748	73,101
2,833	0,206	0,613	0,519	0,250	0,359	91,409	19,176	10,027	-15,751	19,607	19,905	20,130	19,752	19,799	78,373	59,745	73,121
3,000	0,206	0,603	0,519	0,251	0,354	91,395	19,177	15,541	-15,120	19,368	19,895	20,131	19,764	19,799	78,325	59,742	73,120
3,167	0,208	0,597	0,519	0,251	0,352	91,412	19,148	18,777	-13,936	19,569	19,913	20,128	19,767	19,797	78,388	59,741	73,149
3,333	0,209	0,609	0,519	0,250	0,357	91,386	19,171	17,280	-13,453	19,888	19,905	20,123	19,748	19,797	78,358	59,744	73,151
3,500	0,209	0,582	0,519	0,252	0,361	91,372	19,216	23,310	-12,766	20,623	19,903	20,132	19,757	19,800	78,428	59,741	73,159
3,667	0,212	0,567	0,519	0,251	0,355	91,401	19,245	24,306	-13,571	24,219	19,912	20,128	19,774	19,800	78,316	59,742	73,166
3,833	0,216	0,563	0,519	0,256	0,357	91,370	19,241	17,350	-14,734	26,094	19,895	20,136	19,780	19,808	78,296	59,742	73,176
4,000	0,210	0,573	0,519	0,252	0,358	91,386	19,290	13,431	-15,330	20,743	19,908	20,139	19,800	19,821	78,250	59,746	73,144
4,167	0,210	0,570	0,519	0,248	0,355	91,405	19,268	17,630	-13,255	16,766	19,913	20,134	19,773	19,805	78,266	59,742	73,116
4,333	0,214	0,551	0,519	0,248	0,357	91,347	19,288	21,375	-13,534	20,544	19,908	20,130	19,768	19,797	78,265	59,734	73,097
4,500	0,221	0,524	0,519	0,248	0,358	91,340	19,317	15,866	-15,362	21,202	19,901	20,135	19,777	19,805	78,253	59,730	73,102
4,667	0,213	0,536	0,519	0,246	0,355	91,424	19,313	16,926	-13,681	18,119	19,899	20,140	19,761	19,801	78,154	59,726	73,101
4,833	0,214	0,546	0,518	0,250	0,354	91,499	19,337	18,877	-13,512	20,994	19,914	20,135	19,789	19,807	78,236	59,726	73,085
5,000	0,213	0,558	0,518	0,247	0,355	91,540	19,329	23,610	-13,276	20,661	19,902	20,127	19,764	19,795	78,173	59,721	73,055
5,167	0,209	0,569	0,518	0,248	0,355	91,548	19,352	20,888	-14,540	19,980	19,896	20,126	19,768	19,797	78,195	59,714	73,040
5,333	0,209	0,591	0,518	0,255	0,360	91,602	19,335	11,961	-14,724	17,933	19,912	20,134	19,761	19,797	78,209	59,710	73,029

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
0,001	55,390	9,065	8,937	180465,448	189167,892	101,464	8,515	510,057	10,141	14,246	4,873	2017-09-18 09:34
0,192	55,394	0,781	0,791	15926,686	16440,991	65,660	8,726	510,057	10,278	14,159	4,858	2017-09-18 09:34
0,334	55,383	0,779	0,790	15897,597	16176,492	59,892	8,967	509,964	10,026	14,128	4,853	2017-09-18 09:34
0,525	55,374	0,781	0,792	15939,447	16345,177	45,265	9,253	509,964	10,092	14,214	4,867	2017-09-18 09:34
0,791	55,354	0,779	0,790	15910,034	16395,323	50,838	9,169	509,965	10,149	14,190	4,863	2017-09-18 09:34
0,849	55,352	0,780	0,791	15938,353	16389,217	43,986	9,397	509,964	10,178	14,147	4,856	2017-09-18 09:34
1,097	55,340	0,779	0,790	15968,789	16560,643	41,606	10,092	509,964	10,102	14,227	4,869	2017-09-18 09:35
1,288	55,340	0,780	0,791	15998,665	16621,066	58,808	10,190	509,822	9,791	14,238	4,871	2017-09-18 09:35
1,346	55,339	0,782	0,792	16040,159	16609,747	48,975	10,083	509,965	10,016	14,219	4,868	2017-09-18 09:35
1,524	55,344	0,781	0,791	16074,276	16495,712	50,209	9,707	509,822	10,027	14,149	4,856	2017-09-18 09:35
1,701	55,347	0,780	0,790	16076,354	16500,375	59,510	9,595	509,822	10,045	13,997	4,830	2017-09-18 09:35
1,860	55,347	0,780	0,791	16051,357	16565,752	59,729	8,997	509,823	10,029	13,906	4,814	2017-09-18 09:35
2,000	55,348	0,779	0,789	15996,740	16599,166	77,549	9,083	509,823	9,910	14,127	4,852	2017-09-18 09:36
2,167	55,346	0,780	0,790	16043,336	16469,839	63,818	9,322	509,822	10,353	14,110	4,849	2017-09-18 09:36
2,334	55,340	0,780	0,790	16083,455	16563,051	59,319	9,592	509,823	10,189	14,129	4,853	2017-09-18 09:36
2,500	55,338	0,780	0,790	16072,487	16602,680	77,258	9,432	509,822	10,060	14,256	4,874	2017-09-18 09:36
2,667	55,332	0,780	0,791	16097,521	16581,304	45,866	9,770	509,822	10,042	14,186	4,862	2017-09-18 09:36
2,833	55,327	0,780	0,790	16114,044	16619,428	48,399	10,331	509,822	9,981	14,358	4,892	2017-09-18 09:36
3,000	55,324	0,780	0,790	16110,469	16586,613	47,975	10,073	509,729	10,023	14,160	4,858	2017-09-18 09:37
3,167	55,325	0,779	0,790	16126,874	16623,117	56,154	9,924	509,823	10,047	14,090	4,846	2017-09-18 09:37
3,333	55,324	0,779	0,790	16134,426	16596,826	62,224	10,227	509,729	10,012	14,284	4,879	2017-09-18 09:37
3,500	55,325	0,779	0,790	16139,608	16659,599	64,357	9,558	509,729	10,087	14,428	4,904	2017-09-18 09:37
3,667	55,324	0,779	0,789	16140,185	16555,452	82,761	9,184	509,729	10,058	14,202	4,865	2017-09-18 09:37
3,833	55,324	0,779	0,790	16156,727	16535,106	110,338	9,066	509,823	10,251	14,293	4,881	2017-09-18 09:37
4,000	55,325	0,779	0,789	16115,549	16481,002	70,635	9,328	509,729	10,062	14,336	4,888	2017-09-18 09:38
4,167	55,320	0,779	0,790	16105,014	16506,964	70,635	9,246	509,729	9,928	14,189	4,863	2017-09-18 09:38
4,333	55,316	0,780	0,790	16100,828	16540,912	95,794	8,787	509,729	9,921	14,297	4,881	2017-09-18 09:38
4,500	55,313	0,780	0,790	16104,012	16521,542	137,060	8,102	509,729	9,931	14,317	4,885	2017-09-18 09:38
4,667	55,309	0,780	0,790	16110,294	16441,125	88,685	8,412	509,729	9,852	14,216	4,868	2017-09-18 09:38
4,833	55,311	0,780	0,790	16084,469	16512,368	93,671	8,662	509,635	10,008	14,177	4,861	2017-09-18 09:38
5,000	55,309	0,780	0,790	16069,959	16457,587	88,577	8,948	509,635	9,884	14,212	4,867	2017-09-18 09:39
5,167	55,313	0,780	0,790	16046,748	16479,338	67,070	9,230	509,635	9,902	14,183	4,862	2017-09-18 09:39
5,333	55,309	0,779	0,790	16047,960	16486,684	61,827	9,770	509,635	10,181	14,410	4,901	2017-09-18 09:39

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
5,500	0,210	0,610	0,518	0,247	0,353	91,540	19,363	7,557	-15,299	19,009	19,899	20,140	19,771	19,800	78,300	59,713	73,021
5,667	0,208	0,605	0,518	0,253	0,355	91,577	19,372	14,636	-13,981	14,776	19,897	20,138	19,786	19,803	78,245	59,710	73,023
5,833	0,208	0,613	0,518	0,249	0,355	91,529	19,360	19,171	-14,498	22,572	19,904	20,135	19,792	19,805	78,270	59,710	73,037
6,000	0,209	0,618	0,518	0,253	0,352	91,511	19,396	21,019	-13,027	19,422	19,891	20,157	19,792	19,805	78,344	59,709	73,060
6,167	0,210	0,607	0,518	0,250	0,350	91,457	19,400	22,223	-12,728	25,097	19,921	20,143	19,785	19,805	78,300	59,709	73,082
6,333	0,209	0,575	0,518	0,249	0,358	91,470	19,388	15,377	-15,531	24,346	19,908	20,148	19,798	19,813	78,355	59,717	73,116
6,500	0,211	0,557	0,518	0,250	0,353	91,504	19,363	12,071	-15,039	19,639	19,906	20,135	19,791	19,800	78,331	59,718	73,127
6,667	0,208	0,542	0,518	0,253	0,357	91,459	19,372	13,732	-14,360	13,186	19,900	20,140	19,775	19,804	78,296	59,724	73,132
6,834	0,215	0,540	0,518	0,256	0,360	91,476	19,366	13,060	-15,358	18,688	19,897	20,132	19,772	19,805	78,336	59,728	73,131
7,000	0,209	0,559	0,518	0,251	0,354	91,539	19,380	9,851	-14,636	14,530	19,883	20,145	19,786	19,800	78,246	59,728	73,110
7,167	0,207	0,577	0,518	0,252	0,354	91,562	19,385	7,986	-15,807	19,320	19,896	20,151	19,784	19,800	78,100	59,726	73,102
7,334	0,205	0,595	0,518	0,256	0,350	91,602	19,375	9,292	-14,989	17,968	19,897	20,134	19,788	19,803	78,369	59,720	73,083
7,500	0,207	0,599	0,518	0,252	0,355	91,606	19,358	12,426	-14,892	15,039	19,897	20,143	19,792	19,803	78,429	59,720	73,052
7,667	0,207	0,588	0,518	0,250	0,355	91,666	19,359	10,027	-15,501	16,856	19,910	20,135	19,792	19,805	78,405	59,713	73,094
7,834	0,206	0,574	0,517	0,247	0,354	91,555	19,362	9,924	-12,849	15,264	19,901	20,147	19,784	19,804	78,319	59,714	73,125
8,000	0,212	0,557	0,518	0,251	0,356	91,511	19,372	9,325	-13,793	15,844	19,904	20,123	19,786	19,805	78,308	59,718	73,149
8,167	0,210	0,558	0,517	0,251	0,356	91,448	19,364	12,285	-13,080	10,514	19,907	20,140	19,797	19,807	78,293	59,724	73,136
8,334	0,207	0,571	0,517	0,253	0,354	91,447	19,363	22,393	-12,184	17,202	19,926	20,136	19,793	19,808	78,263	59,729	73,117
8,500	0,207	0,582	0,517	0,252	0,359	91,457	19,372	20,903	-13,132	23,012	19,913	20,139	19,799	19,805	78,230	59,721	73,085
8,667	0,209	0,584	0,517	0,254	0,352	91,569	19,376	20,290	-15,612	26,307	19,905	20,113	19,785	19,803	78,276	59,710	73,066
8,834	0,207	0,573	0,517	0,252	0,352	91,611	19,396	16,279	-15,369	21,939	19,905	20,135	19,802	19,808	78,375	59,707	73,060
9,000	0,207	0,586	0,517	0,256	0,352	91,637	19,398	13,903	-15,164	18,164	19,912	20,131	19,802	19,808	78,325	59,701	73,064
9,167	0,205	0,600	0,517	0,252	0,353	91,590	19,392	10,774	-13,961	14,544	19,911	20,143	19,803	19,808	78,335	59,703	73,083
9,333	0,206	0,602	0,517	0,250	0,357	91,610	19,359	12,839	-13,427	15,774	19,899	20,136	19,799	19,808	78,285	59,703	73,100
9,500	0,207	0,588	0,517	0,249	0,353	91,544	19,359	9,527	-14,426	16,998	19,905	20,139	19,794	19,808	78,379	59,713	73,109
9,667	0,207	0,576	0,517	0,250	0,353	91,557	19,370	7,349	-15,133	16,699	19,920	20,129	19,793	19,807	78,383	59,709	73,091
9,833	0,206	0,572	0,517	0,247	0,353	91,609	19,377	17,685	-12,466	17,105	19,900	20,144	19,798	19,811	78,471	59,710	73,108
10,000	0,207	0,583	0,517	0,251	0,355	91,557	19,353	19,180	-13,786	24,670	19,908	20,131	19,805	19,808	78,401	59,709	73,122
10,167	0,207	0,597	0,517	0,249	0,351	91,599	19,275	17,879	-14,197	18,364	19,899	20,122	19,805	19,809	78,323	59,711	73,145
10,333	0,205	0,609	0,517	0,246	0,352	91,634	19,292	15,074	-13,395	16,728	19,903	20,129	19,809	19,812	78,381	59,714	73,144
10,500	0,205	0,616	0,517	0,249	0,354	91,599	19,252	18,101	-14,757	25,305	19,907	20,151	19,814	19,812	78,516	59,714	73,135
10,667	0,209	0,593	0,517	0,249	0,355	91,589	19,163	15,161	-14,945	16,118	19,908	20,137	19,811	19,816	78,495	59,711	73,154
10,833	0,211	0,585	0,517	0,252	0,349	91,604	19,098	12,781	-14,382	16,257	19,900	20,151	19,809	19,815	78,388	59,717	73,183
11,000	0,210	0,594	0,517	0,260	0,350	91,595	19,216	11,948	-14,127	12,645	19,928	20,141	19,826	19,819	78,437	59,724	73,206
11,167	0,205	0,604	0,516	0,250	0,354	91,623	19,264	15,616	-14,078	18,932	19,900	20,144	19,806	19,809	78,458	59,725	73,189
11,333	0,205	0,609	0,516	0,255	0,349	91,558	19,289	15,335	-13,786	13,191	19,916	20,144	19,807	19,812	78,544	59,728	73,183

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
5,500	55,309	0,779	0,790	16025,319	16571,543	70,514	10,254	509,635	9,892	14,123	4,852	2017-09-18 09:39
5,667	55,312	0,780	0,790	16037,168	16536,732	60,281	10,132	509,635	10,111	14,205	4,866	2017-09-18 09:39
5,833	55,309	0,780	0,790	16041,270	16555,331	57,186	10,317	509,541	9,971	14,202	4,865	2017-09-18 09:39
6,000	55,313	0,779	0,790	16063,505	16609,621	61,810	10,453	509,635	10,120	14,098	4,847	2017-09-18 09:40
6,167	55,307	0,779	0,790	16097,208	16563,663	68,974	10,171	509,635	10,001	13,994	4,830	2017-09-18 09:40
6,333	55,304	0,779	0,789	16102,991	16610,677	66,032	9,367	509,541	9,954	14,325	4,886	2017-09-18 09:40
6,500	55,304	0,779	0,789	16120,771	16594,425	76,497	8,935	509,541	10,010	14,135	4,854	2017-09-18 09:40
6,667	55,303	0,779	0,789	16121,452	16551,668	57,203	8,544	509,541	10,111	14,278	4,878	2017-09-18 09:40
6,834	55,303	0,779	0,790	16130,816	16579,230	102,371	8,512	509,541	10,232	14,396	4,898	2017-09-18 09:40
7,000	55,305	0,780	0,790	16121,248	16520,556	63,210	8,975	509,541	10,040	14,153	4,857	2017-09-18 09:41
7,167	55,308	0,779	0,790	16100,241	16368,518	54,232	9,430	509,541	10,067	14,153	4,857	2017-09-18 09:41
7,334	55,304	0,780	0,790	16089,010	16632,200	41,054	9,887	509,541	10,242	14,005	4,831	2017-09-18 09:41
7,500	55,301	0,780	0,790	16065,886	16686,421	49,861	9,975	509,541	10,086	14,199	4,865	2017-09-18 09:41
7,667	55,300	0,779	0,791	16123,302	16664,500	50,980	9,703	509,541	9,996	14,206	4,866	2017-09-18 09:41
7,834	55,297	0,780	0,790	16143,327	16595,089	43,580	9,345	509,448	9,872	14,155	4,857	2017-09-18 09:41
8,000	55,293	0,780	0,790	16156,178	16579,176	83,765	8,919	509,541	10,034	14,221	4,868	2017-09-18 09:42
8,167	55,289	0,780	0,789	16140,224	16561,456	71,872	8,940	509,447	10,039	14,241	4,872	2017-09-18 09:42
8,334	55,291	0,779	0,790	16138,232	16513,994	53,332	9,267	509,448	10,112	14,177	4,861	2017-09-18 09:42
8,500	55,291	0,779	0,789	16092,526	16503,288	49,691	9,545	509,448	10,098	14,353	4,891	2017-09-18 09:42
8,667	55,289	0,779	0,790	16096,814	16540,430	61,254	9,604	509,448	10,144	14,086	4,845	2017-09-18 09:42
8,834	55,285	0,779	0,789	16069,969	16641,161	50,494	9,321	509,447	10,086	14,078	4,844	2017-09-18 09:42
9,000	55,284	0,779	0,789	16081,571	16599,037	50,077	9,661	509,448	10,250	14,097	4,847	2017-09-18 09:43
9,167	55,287	0,779	0,789	16094,640	16604,701	41,686	9,988	509,448	10,070	14,113	4,850	2017-09-18 09:43
9,333	55,281	0,779	0,790	16122,228	16568,406	44,813	10,038	509,448	9,988	14,276	4,878	2017-09-18 09:43
9,500	55,281	0,779	0,790	16138,168	16632,016	49,239	9,704	509,355	9,968	14,136	4,854	2017-09-18 09:43
9,667	55,283	0,779	0,790	16131,307	16647,202	53,864	9,390	509,354	10,000	14,105	4,849	2017-09-18 09:43
9,833	55,281	0,780	0,790	16130,837	16744,563	44,420	9,307	509,354	9,880	14,130	4,853	2017-09-18 09:43
10,000	55,280	0,779	0,789	16136,216	16648,292	51,338	9,578	509,354	10,055	14,191	4,863	2017-09-18 09:44
10,167	55,277	0,779	0,790	16165,869	16585,296	50,400	9,913	509,354	9,964	14,024	4,835	2017-09-18 09:44
10,333	55,273	0,779	0,789	16160,904	16628,390	37,287	10,215	509,354	9,844	14,099	4,847	2017-09-18 09:44
10,500	55,277	0,779	0,788	16134,212	16753,724	41,061	10,388	509,354	9,951	14,145	4,855	2017-09-18 09:44
10,667	55,276	0,779	0,789	16161,893	16733,102	65,799	9,820	509,354	9,967	14,195	4,864	2017-09-18 09:44
10,833	55,275	0,779	0,789	16197,401	16643,558	73,780	9,614	509,354	10,074	13,963	4,824	2017-09-18 09:44
11,000	55,271	0,779	0,790	16227,020	16675,439	68,300	9,847	509,354	10,413	14,012	4,833	2017-09-18 09:45
11,167	55,271	0,779	0,789	16198,530	16700,595	41,895	10,110	509,261	9,992	14,171	4,860	2017-09-18 09:45
11,333	55,268	0,779	0,790	16216,411	16778,910	38,788	10,226	509,261	10,202	13,961	4,824	2017-09-18 09:45

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
11,500	0,206	0,584	0,516	0,251	0,352	91,551	19,245	20,599	-12,618	16,238	19,907	20,144	19,806	19,813	78,552	59,724	73,201
11,667	0,211	0,544	0,516	0,253	0,357	91,609	19,269	24,051	-14,288	20,966	19,920	20,151	19,822	19,816	78,455	59,728	73,226
11,833	0,212	0,547	0,516	0,250	0,356	91,614	19,235	24,357	-13,365	24,106	19,924	20,154	19,826	19,819	78,440	59,728	73,232
12,000	0,206	0,572	0,516	0,249	0,353	91,696	19,267	23,246	-13,590	23,517	19,921	20,156	19,821	19,823	78,410	59,732	73,230
12,167	0,205	0,582	0,515	0,249	0,353	91,624	19,250	19,451	-15,441	25,669	19,920	20,156	19,825	19,823	78,396	59,736	73,202
12,333	0,210	0,569	0,516	0,255	0,355	91,641	19,340	19,393	-14,838	18,326	19,895	20,150	19,827	19,821	78,424	59,722	73,183
12,500	0,212	0,549	0,515	0,251	0,358	91,709	19,304	12,449	-15,577	21,692	19,912	20,130	19,815	19,813	78,316	59,709	73,178
12,667	0,210	0,545	0,516	0,258	0,352	91,794	19,252	13,037	-14,844	14,234	19,908	20,133	19,827	19,817	78,336	59,709	73,164
12,833	0,210	0,561	0,515	0,243	0,349	91,819	19,308	18,206	-15,796	24,893	19,917	20,156	19,827	19,819	78,323	59,703	73,148
13,000	0,207	0,590	0,515	0,252	0,347	91,820	19,290	12,220	-15,319	19,587	19,919	20,152	19,835	19,824	78,375	59,701	73,131
13,167	0,208	0,599	0,515	0,249	0,354	91,827	19,274	12,446	-14,769	16,952	19,917	20,156	19,826	19,820	78,352	59,701	73,104
13,334	0,207	0,584	0,515	0,251	0,354	91,828	19,298	19,003	-14,431	20,183	19,930	20,160	19,843	19,827	78,388	59,699	73,109
13,500	0,206	0,584	0,516	0,252	0,349	91,803	19,308	16,080	-15,007	23,802	19,900	20,163	19,839	19,824	78,529	59,697	73,137
13,667	0,206	0,579	0,515	0,246	0,348	91,848	19,277	15,400	-14,285	13,045	19,923	20,168	19,844	19,836	78,436	59,698	73,167
13,834	0,205	0,582	0,515	0,255	0,354	91,758	19,297	13,707	-14,804	21,255	19,911	20,146	19,835	19,816	78,433	59,701	73,197
14,000	0,211	0,585	0,515	0,256	0,351	91,695	19,331	15,923	-13,444	11,977	19,924	20,164	19,849	19,823	78,334	59,706	73,185
14,167	0,205	0,587	0,515	0,251	0,356	91,730	19,302	21,965	-13,085	23,156	19,922	20,150	19,823	19,813	78,281	59,709	73,168
14,334	0,211	0,591	0,515	0,248	0,356	91,753	19,286	20,020	-14,674	25,434	19,904	20,143	19,830	19,813	78,300	59,699	73,145
14,500	0,209	0,579	0,515	0,245	0,352	91,744	19,346	19,240	-14,590	19,954	19,917	20,154	19,835	19,819	78,246	59,699	73,101
14,667	0,207	0,576	0,515	0,252	0,347	91,756	19,311	15,358	-13,224	14,837	19,905	20,135	19,844	19,816	78,240	59,705	73,097
14,834	0,211	0,582	0,515	0,255	0,354	91,719	19,320	22,719	-13,854	22,075	19,926	20,159	19,835	19,816	78,320	59,717	73,077
15,000	0,210	0,574	0,515	0,253	0,354	91,651	19,310	16,396	-13,558	15,265	19,924	20,155	19,834	19,819	78,342	59,720	73,059
15,167	0,211	0,558	0,515	0,248	0,353	91,730	19,290	21,094	-13,133	18,724	19,913	20,158	19,837	19,816	78,100	59,722	73,056
15,334	0,210	0,557	0,515	0,255	0,353	91,720	19,293	25,259	-13,467	20,451	19,911	20,158	19,857	19,816	78,208	59,730	73,052
15,500	0,212	0,555	0,515	0,247	0,349	91,727	19,317	25,545	-14,578	23,853	19,917	20,168	19,844	19,817	78,166	59,728	73,033
15,667	0,209	0,569	0,515	0,246	0,345	91,794	19,308	17,891	-13,049	16,678	19,917	20,160	19,845	19,815	78,245	59,732	73,041
15,834	0,205	0,572	0,515	0,255	0,352	91,810	19,311	21,905	-14,825	23,386	19,903	20,147	19,839	19,815	78,076	59,728	73,010
16,000	0,208	0,579	0,514	0,250	0,349	91,814	19,265	20,843	-16,211	24,462	19,913	20,163	19,843	19,816	78,182	59,725	73,004
16,167	0,206	0,597	0,515	0,247	0,350	91,777	19,283	18,788	-13,200	18,508	19,907	20,142	19,854	19,815	78,303	59,721	72,998
16,333	0,204	0,621	0,514	0,252	0,354	91,789	19,295	16,492	-13,885	12,134	19,908	20,142	19,843	19,815	78,359	59,720	73,036
16,500	0,205	0,621	0,514	0,251	0,356	91,733	19,312	22,481	-13,436	22,978	19,917	20,148	19,836	19,812	78,392	59,722	73,063
16,667	0,205	0,603	0,514	0,260	0,355	91,706	19,311	21,077	-15,123	27,212	19,915	20,140	19,853	19,813	78,483	59,732	73,108
16,833	0,208	0,580	0,514	0,253	0,358	91,772	19,308	16,853	-14,518	17,325	19,913	20,147	19,861	19,813	78,432	59,740	73,124
17,000	0,209	0,569	0,514	0,248	0,355	91,763	19,268	15,299	-13,869	14,413	19,933	20,159	19,844	19,816	78,456	59,757	73,156
17,167	0,208	0,562	0,514	0,248	0,351	91,776	19,270	17,940	-15,116	23,619	19,922	20,173	19,849	19,816	78,396	59,763	73,160
17,333	0,212	0,565	0,514	0,251	0,349	91,767	19,269	18,477	-13,372	14,195	19,899	20,148	19,852	19,813	78,421	59,777	73,171

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
11,500	55,268	0,779	0,790	16225,866	16785,778	42,944	9,596	509,261	10,049	14,061	4,841	2017-09-18 09:45
11,667	55,271	0,779	0,789	16239,238	16689,154	77,518	8,609	509,261	10,119	14,292	4,881	2017-09-18 09:45
11,833	55,267	0,780	0,790	16264,273	16696,756	84,592	8,671	509,261	10,010	14,239	4,872	2017-09-18 09:45
12,000	55,264	0,779	0,790	16259,358	16652,393	46,547	9,305	509,261	9,967	14,123	4,852	2017-09-18 09:46
12,167	55,257	0,779	0,789	16222,634	16620,633	37,468	9,552	509,135	9,958	14,113	4,850	2017-09-18 09:46
12,333	55,260	0,779	0,789	16200,513	16668,594	72,921	9,232	509,261	10,216	14,186	4,862	2017-09-18 09:46
12,500	55,257	0,778	0,788	16188,041	16558,320	85,926	8,728	509,116	10,022	14,332	4,887	2017-09-18 09:46
12,667	55,257	0,778	0,788	16179,377	16582,609	67,466	8,621	509,261	10,334	14,085	4,845	2017-09-18 09:46
12,833	55,256	0,778	0,789	16168,851	16571,788	73,352	9,014	509,116	9,738	13,979	4,827	2017-09-18 09:46
13,000	55,253	0,779	0,790	16182,119	16649,852	54,444	9,757	509,116	10,094	13,881	4,810	2017-09-18 09:47
13,167	55,256	0,779	0,789	16134,636	16630,702	59,913	9,974	509,116	9,979	14,177	4,861	2017-09-18 09:47
13,334	55,259	0,780	0,790	16166,940	16676,520	50,066	9,602	509,116	10,057	14,166	4,859	2017-09-18 09:47
13,500	55,256	0,779	0,789	16175,495	16789,485	44,212	9,603	509,261	10,062	13,940	4,820	2017-09-18 09:47
13,667	55,252	0,779	0,789	16199,959	16689,555	45,504	9,472	509,116	9,852	13,939	4,820	2017-09-18 09:47
13,834	55,248	0,778	0,788	16212,070	16676,429	41,776	9,553	509,116	10,212	14,174	4,860	2017-09-18 09:47
14,000	55,248	0,778	0,788	16206,556	16579,003	77,084	9,630	509,116	10,248	14,057	4,840	2017-09-18 09:48
14,167	55,256	0,779	0,789	16199,758	16550,401	39,820	9,673	509,116	10,039	14,225	4,869	2017-09-18 09:48
14,334	55,281	0,778	0,789	16149,333	16559,905	78,831	9,768	509,022	9,914	14,225	4,869	2017-09-18 09:48
14,500	55,292	0,779	0,789	16102,138	16518,711	66,226	9,468	509,116	9,820	14,073	4,843	2017-09-18 09:48
14,667	55,301	0,779	0,789	16085,738	16508,695	50,921	9,390	509,022	10,074	13,872	4,808	2017-09-18 09:48
14,834	55,304	0,779	0,789	16074,253	16583,689	76,517	9,540	509,022	10,205	14,170	4,860	2017-09-18 09:48
15,000	55,305	0,780	0,789	16055,570	16617,340	71,893	9,342	509,022	10,100	14,177	4,861	2017-09-18 09:49
15,167	55,312	0,780	0,790	16059,783	16404,363	75,458	8,941	509,022	9,928	14,118	4,851	2017-09-18 09:49
15,334	55,311	0,781	0,791	16072,996	16505,692	69,645	8,926	509,022	10,183	14,113	4,850	2017-09-18 09:49
15,500	55,307	0,781	0,791	16061,739	16463,810	82,226	8,886	509,022	9,866	13,976	4,826	2017-09-18 09:49
15,667	55,305	0,782	0,792	16089,493	16551,131	65,792	9,234	509,022	9,829	13,781	4,793	2017-09-18 09:49
15,834	55,303	0,780	0,791	16039,814	16380,746	36,645	9,305	509,022	10,199	14,063	4,841	2017-09-18 09:49
16,000	55,308	0,780	0,790	16027,190	16476,773	57,814	9,483	508,928	10,006	13,967	4,825	2017-09-18 09:50
16,167	55,316	0,779	0,790	16003,838	16565,714	43,145	9,916	509,022	9,894	13,991	4,829	2017-09-18 09:50
16,333	55,327	0,780	0,790	16029,256	16625,091	32,274	10,527	508,928	10,090	14,175	4,861	2017-09-18 09:50
16,500	55,334	0,780	0,791	16060,390	16651,588	41,519	10,535	508,928	10,042	14,233	4,871	2017-09-18 09:50
16,667	55,340	0,779	0,790	16079,660	16718,755	38,952	10,063	508,928	10,417	14,193	4,864	2017-09-18 09:50
16,833	55,344	0,780	0,790	16086,504	16670,686	58,871	9,488	508,928	10,121	14,316	4,885	2017-09-18 09:50
17,000	55,350	0,779	0,790	16119,018	16671,701	63,273	9,217	508,839	9,907	14,201	4,865	2017-09-18 09:51
17,167	55,352	0,780	0,790	16119,933	16616,284	59,302	9,050	508,835	9,935	14,058	4,840	2017-09-18 09:51
17,333	55,354	0,779	0,790	16122,056	16620,593	84,248	9,137	508,928	10,045	13,962	4,824	2017-09-18 09:51

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
17,500	0,210	0,565	0,514	0,248	0,355	91,803	19,236	21,749	-13,379	21,616	19,920	20,158	19,852	19,817	78,396	59,780	73,178
17,667	0,208	0,588	0,514	0,252	0,352	91,773	19,234	21,278	-14,204	25,996	19,907	20,152	19,852	19,815	78,388	59,785	73,181
17,833	0,209	0,603	0,514	0,255	0,351	91,724	19,290	11,414	-14,968	18,018	19,920	20,163	19,870	19,819	78,490	59,789	73,168
18,000	0,206	0,597	0,514	0,250	0,352	91,749	19,302	8,993	-15,998	17,359	19,908	20,165	19,853	19,817	78,547	59,789	73,163
18,167	0,207	0,595	0,514	0,254	0,352	91,714	19,270	8,688	-15,206	16,839	19,909	20,150	19,858	19,816	78,487	59,783	73,187
18,333	0,209	0,581	0,514	0,254	0,351	91,728	19,290	8,567	-14,890	13,150	19,915	20,158	19,856	19,820	78,528	59,787	73,237
18,500	0,209	0,563	0,514	0,250	0,349	91,639	19,302	20,886	-13,862	16,109	19,919	20,173	19,868	19,821	78,537	59,796	73,252
18,667	0,211	0,553	0,514	0,255	0,350	91,649	19,294	20,585	-14,062	26,350	19,917	20,168	19,872	19,820	78,451	59,806	73,252
18,833	0,210	0,555	0,514	0,251	0,353	91,582	19,214	20,296	-14,133	21,469	19,907	20,154	19,860	19,819	78,284	59,800	73,253
19,000	0,213	0,551	0,514	0,249	0,350	91,567	19,244	13,706	-13,773	14,303	19,908	20,156	19,864	19,821	78,374	59,808	73,218
19,167	0,208	0,549	0,514	0,246	0,349	91,567	19,270	20,615	-10,961	29,433	19,916	20,167	19,861	19,821	78,355	59,810	73,167
19,333	0,207	0,559	0,513	0,252	0,353	91,530	19,208	16,942	-14,097	19,387	19,920	20,154	19,858	19,817	78,324	59,799	73,151
19,500	0,213	0,561	0,514	0,250	0,350	91,574	19,280	12,612	-14,427	14,890	19,925	20,152	19,872	19,820	78,327	59,792	73,127
19,667	0,208	0,560	0,513	0,247	0,352	91,562	19,290	13,706	-12,816	16,871	19,907	20,155	19,866	19,816	78,323	59,793	73,104
19,833	0,210	0,552	0,513	0,250	0,345	91,568	19,280	18,445	-14,488	22,251	19,926	20,163	19,861	19,819	78,271	59,792	73,090
20,000	0,213	0,554	0,513	0,255	0,349	91,624	19,259	11,742	-13,484	13,442	19,917	20,162	19,861	19,821	78,075	59,783	73,105
20,167	0,209	0,547	0,513	0,253	0,349	91,566	19,310	20,419	-14,208	25,063	19,926	20,163	19,872	19,821	78,095	59,784	73,106
20,334	0,209	0,545	0,513	0,256	0,349	91,496	19,329	12,790	-13,777	11,095	19,911	20,168	19,875	19,821	78,050	59,781	73,068
20,500	0,215	0,539	0,513	0,252	0,350	91,436	19,303	21,306	-14,733	14,987	19,925	20,162	19,889	19,821	78,023	59,784	73,040
20,667	0,209	0,545	0,513	0,249	0,347	91,431	19,291	18,045	-14,750	29,263	19,929	20,160	19,873	19,820	78,030	59,781	73,006
20,834	0,211	0,565	0,513	0,247	0,353	91,487	19,233	12,209	-14,018	15,392	19,934	20,156	19,872	19,820	78,151	59,777	72,973
21,000	0,208	0,585	0,513	0,249	0,346	91,469	19,256	22,654	-14,233	22,859	19,928	20,156	19,872	19,823	78,093	59,777	72,948
21,167	0,210	0,589	0,513	0,249	0,355	91,429	19,295	16,473	-12,930	15,409	19,919	20,167	19,877	19,823	78,087	59,773	72,948
21,334	0,210	0,570	0,513	0,247	0,353	91,443	19,315	15,232	-15,263	18,375	19,924	20,175	19,878	19,827	78,023	59,771	72,950
21,500	0,209	0,582	0,513	0,251	0,349	91,485	19,291	19,069	-15,714	25,518	19,929	20,160	19,873	19,819	78,058	59,777	72,950
21,667	0,211	0,593	0,513	0,250	0,349	91,446	19,327	13,574	-14,784	17,062	19,908	20,168	19,885	19,817	78,072	59,772	72,944
21,834	0,206	0,588	0,513	0,247	0,344	91,489	19,291	16,004	-14,397	19,171	19,920	20,172	19,875	19,821	78,080	59,765	72,931
22,000	0,206	0,602	0,513	0,252	0,351	91,503	19,294	20,108	-13,152	19,035	19,928	20,156	19,873	19,817	78,160	59,744	72,942
22,167	0,204	0,597	0,513	0,247	0,350	91,484	19,287	14,369	-13,414	14,423	19,913	20,158	19,873	19,816	78,111	59,733	72,944
22,334	0,212	0,578	0,513	0,248	0,358	91,463	19,327	16,500	-12,822	15,081	19,925	20,159	19,877	19,820	78,266	59,729	72,973
22,500	0,213	0,572	0,513	0,253	0,352	91,418	19,350	20,276	-14,185	24,997	19,932	20,158	19,870	19,816	78,307	59,730	72,989
22,667	0,206	0,589	0,512	0,247	0,348	91,485	19,340	19,431	-13,700	17,156	19,912	20,164	19,881	19,819	78,187	59,742	73,004
22,834	0,207	0,590	0,513	0,245	0,347	91,490	19,374	14,979	-14,567	19,363	19,925	20,162	19,893	19,825	78,169	59,745	73,016
23,000	0,206	0,591	0,512	0,249	0,352	91,542	19,353	19,328	-15,054	22,476	19,934	20,169	19,895	19,819	78,207	59,750	72,996
23,167	0,204	0,592	0,512	0,245	0,349	91,523	19,359	18,959	-14,762	24,742	19,920	20,172	19,877	19,821	78,251	59,752	72,967
23,333	0,205	0,591	0,512	0,250	0,351	91,463	19,335	13,912	-14,176	16,436	19,932	20,163	19,896	19,823	78,273	59,745	72,982

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
17,500	55,355	0,779	0,790	16128,548	16586,395	68,950	9,131	508,928	9,925	14,210	4,867	2017-09-18 09:51
17,667	55,351	0,779	0,790	16130,508	16580,584	60,059	9,691	508,928	10,065	14,098	4,847	2017-09-18 09:51
17,833	55,342	0,780	0,790	16138,302	16683,061	62,845	10,075	508,835	10,183	14,026	4,835	2017-09-18 09:51
18,000	55,339	0,780	0,790	16134,918	16739,349	45,237	9,928	508,835	9,989	14,095	4,847	2017-09-18 09:52
18,167	55,343	0,780	0,790	16149,103	16695,983	51,317	9,886	508,835	10,154	14,094	4,847	2017-09-18 09:52
18,333	55,352	0,780	0,791	16210,637	16730,220	62,237	9,519	508,835	10,151	14,024	4,835	2017-09-18 09:52
18,500	55,354	0,780	0,791	16214,796	16731,152	62,005	9,067	508,835	10,016	13,964	4,824	2017-09-18 09:52
18,667	55,358	0,780	0,790	16196,944	16634,903	77,320	8,824	508,835	10,193	13,999	4,830	2017-09-18 09:52
18,833	55,363	0,780	0,790	16194,912	16494,559	72,942	8,886	508,835	10,049	14,125	4,852	2017-09-18 09:52
19,000	55,366	0,779	0,790	16153,889	16550,632	88,244	8,786	508,835	9,975	14,018	4,834	2017-09-18 09:53
19,167	55,366	0,779	0,790	16106,139	16533,876	56,150	8,732	508,835	9,840	13,973	4,826	2017-09-18 09:53
19,333	55,370	0,780	0,790	16099,621	16529,297	51,946	8,982	508,740	10,092	14,136	4,854	2017-09-18 09:53
19,500	55,364	0,780	0,790	16069,370	16534,801	87,608	9,037	508,835	9,992	13,993	4,829	2017-09-18 09:53
19,667	55,359	0,780	0,790	16053,778	16527,706	55,514	8,990	508,740	9,863	14,072	4,843	2017-09-18 09:53
19,833	55,362	0,779	0,790	16051,534	16477,522	72,706	8,790	508,740	10,019	13,811	4,798	2017-09-18 09:53
20,000	55,363	0,780	0,789	16044,632	16312,747	89,700	8,857	508,740	10,213	13,955	4,823	2017-09-18 09:54
20,167	55,368	0,779	0,789	16043,815	16308,908	66,542	8,687	508,740	10,126	13,976	4,826	2017-09-18 09:54
20,334	55,376	0,780	0,789	16002,287	16293,890	66,042	8,625	508,740	10,230	13,965	4,824	2017-09-18 09:54
20,500	55,384	0,780	0,790	15981,661	16281,257	103,955	8,487	508,740	10,087	13,992	4,829	2017-09-18 09:54
20,667	55,388	0,779	0,789	15930,902	16259,958	62,679	8,615	508,740	9,974	13,865	4,807	2017-09-18 09:54
20,834	55,395	0,780	0,790	15907,216	16404,812	76,462	9,127	508,740	9,883	14,102	4,848	2017-09-18 09:54
21,000	55,398	0,780	0,791	15905,187	16348,708	56,202	9,613	508,741	9,951	13,846	4,804	2017-09-18 09:55
21,167	55,396	0,781	0,790	15893,778	16354,101	68,516	9,722	508,741	9,954	14,214	4,867	2017-09-18 09:55
21,334	55,390	0,779	0,790	15890,059	16270,417	68,856	9,246	508,647	9,886	14,111	4,850	2017-09-18 09:55
21,500	55,359	0,780	0,790	15915,304	16305,690	65,344	9,557	508,647	10,029	13,969	4,825	2017-09-18 09:55
21,667	55,334	0,779	0,789	15914,906	16308,643	78,720	9,830	508,647	9,997	13,968	4,825	2017-09-18 09:55
21,834	55,327	0,779	0,789	15905,936	16312,490	43,156	9,706	508,647	9,881	13,778	4,792	2017-09-18 09:55
22,000	55,327	0,779	0,788	15914,444	16404,105	47,384	10,049	508,647	10,079	14,021	4,834	2017-09-18 09:56
22,167	55,328	0,780	0,790	15941,348	16396,858	35,804	9,921	508,647	9,870	13,988	4,828	2017-09-18 09:56
22,334	55,336	0,779	0,789	15949,228	16528,243	81,423	9,441	508,647	9,922	14,328	4,887	2017-09-18 09:56
22,500	55,338	0,779	0,789	15957,896	16560,875	89,098	9,303	508,647	10,122	14,094	4,847	2017-09-18 09:56
22,667	55,339	0,779	0,789	15978,732	16428,082	46,324	9,726	508,553	9,881	13,909	4,815	2017-09-18 09:56
22,834	55,342	0,780	0,790	15991,087	16429,585	49,469	9,751	508,647	9,795	13,875	4,809	2017-09-18 09:56
23,000	55,340	0,779	0,790	15983,192	16454,915	46,929	9,774	508,553	9,973	14,098	4,847	2017-09-18 09:57
23,167	55,335	0,780	0,790	15959,524	16499,657	33,945	9,801	508,553	9,815	13,951	4,822	2017-09-18 09:57
23,333	55,327	0,780	0,791	15995,569	16522,365	41,081	9,767	508,553	9,989	14,030	4,836	2017-09-18 09:57

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
23,500	0,208	0,567	0,512	0,251	0,353	91,468	19,334	22,996	-13,323	16,707	19,919	20,168	19,874	19,820	78,127	59,744	72,996
23,667	0,208	0,560	0,512	0,249	0,348	91,420	19,338	23,916	-13,934	17,427	19,929	20,161	19,890	19,819	78,147	59,745	73,006
23,833	0,208	0,564	0,512	0,248	0,348	91,389	19,362	23,912	-13,575	21,372	19,917	20,169	19,896	19,821	78,235	59,741	72,987
24,000	0,211	0,578	0,512	0,250	0,347	91,420	19,401	24,860	-13,867	23,504	19,925	20,173	19,895	19,821	78,173	59,734	72,965
24,167	0,207	0,591	0,512	0,251	0,349	91,423	19,413	27,120	-14,578	21,433	19,934	20,179	19,903	19,827	78,290	59,725	72,958
24,333	0,206	0,584	0,512	0,245	0,352	91,442	19,392	24,343	-15,246	25,690	19,923	20,184	19,898	19,825	78,298	59,714	72,959
24,500	0,206	0,593	0,512	0,247	0,352	91,482	19,370	22,212	-12,490	24,235	19,916	20,172	19,882	19,824	78,218	59,709	73,002
24,667	0,210	0,590	0,512	0,251	0,354	91,495	19,378	22,879	-14,247	15,726	19,931	20,196	19,907	19,833	78,095	59,714	73,058
24,833	0,208	0,592	0,512	0,249	0,350	91,576	19,336	22,501	-15,801	28,510	19,937	20,184	19,914	19,832	78,280	59,728	73,035
25,000	0,210	0,591	0,512	0,253	0,346	91,555	19,361	13,219	-16,384	19,154	19,940	20,168	19,885	19,824	78,338	59,725	72,983
25,167	0,207	0,605	0,512	0,254	0,347	91,474	19,373	9,449	-15,993	17,552	19,934	20,193	19,901	19,832	78,269	59,714	72,996
25,333	0,205	0,602	0,512	0,252	0,349	91,509	19,407	5,178	-35,583	37,144	19,933	20,181	19,902	19,831	78,350	59,713	73,023
25,500	0,206	0,600	0,512	0,243	0,349	91,486	19,310	8,272	-15,675	23,758	19,940	20,176	19,916	19,827	78,386	59,717	73,039
25,667	0,203	0,606	0,512	0,251	0,350	91,564	19,388	15,398	-14,281	11,803	19,919	20,172	19,898	19,828	78,367	59,718	73,082
25,833	0,205	0,617	0,512	0,246	0,349	91,575	19,407	14,292	-13,120	17,302	19,942	20,191	19,907	19,833	78,458	59,722	73,125
26,000	0,207	0,600	0,512	0,250	0,355	91,542	19,413	17,653	-14,940	25,828	19,936	20,180	19,915	19,828	78,408	59,720	73,120
26,167	0,210	0,577	0,511	0,246	0,351	91,524	19,405	14,870	-14,673	16,485	19,932	20,173	19,914	19,831	78,435	59,721	73,135
26,333	0,213	0,552	0,511	0,249	0,352	91,537	19,422	9,829	-14,894	19,438	19,933	20,184	19,899	19,833	78,359	59,720	73,125
26,500	0,209	0,570	0,512	0,256	0,353	91,519	19,404	10,906	-13,059	24,019	19,937	20,173	19,903	19,829	78,389	59,724	73,128
26,667	0,212	0,563	0,511	0,251	0,352	91,488	19,405	18,170	-14,045	17,277	19,934	20,171	19,908	19,829	78,293	59,718	73,117
26,833	0,210	0,557	0,511	0,244	0,357	91,518	19,405	24,020	-12,661	18,268	19,924	20,176	19,903	19,831	78,255	59,725	73,106
27,000	0,212	0,549	0,511	0,251	0,353	91,466	19,392	21,571	-16,010	27,612	19,910	20,181	19,911	19,827	78,211	59,720	73,079
27,167	0,214	0,560	0,512	0,253	0,356	91,462	19,412	19,012	-16,973	25,035	19,933	20,179	19,903	19,828	78,325	59,713	73,050
27,334	0,213	0,555	0,511	0,252	0,350	91,467	19,441	15,119	-14,081	15,739	19,932	20,172	19,910	19,829	78,266	59,709	73,029
27,500	0,214	0,566	0,511	0,253	0,351	91,486	19,434	13,098	-15,124	12,764	19,923	20,175	19,900	19,825	78,058	59,701	73,037
27,667	0,210	0,596	0,511	0,248	0,354	91,526	19,410	20,381	-16,541	26,872	19,937	20,177	19,908	19,829	78,211	59,695	73,017
27,834	0,208	0,621	0,511	0,254	0,356	91,566	19,397	16,089	-17,792	23,451	19,928	20,180	19,915	19,829	78,083	59,690	72,985
28,000	0,208	0,616	0,511	0,253	0,351	91,545	19,404	13,198	-13,430	16,658	19,925	20,179	19,910	19,829	78,323	59,685	72,971
28,167	0,212	0,592	0,511	0,254	0,354	91,523	19,413	12,010	-15,255	13,710	19,937	20,187	19,912	19,831	78,300	59,675	72,971
28,334	0,214	0,575	0,511	0,252	0,351	91,510	19,429	14,692	-14,978	18,400	19,937	20,177	19,915	19,828	78,266	59,668	73,000
28,500	0,214	0,563	0,511	0,249	0,352	91,476	19,371	11,882	-16,944	18,174	19,925	20,184	19,916	19,829	78,304	59,671	73,024
28,667	0,211	0,565	0,511	0,254	0,349	91,485	19,394	6,908	-16,086	17,009	19,921	20,172	19,915	19,831	78,239	59,679	73,019
28,834	0,213	0,576	0,511	0,257	0,351	91,485	19,448	11,395	-14,563	13,689	19,938	20,175	19,915	19,833	78,235	59,685	73,004
29,000	0,206	0,598	0,511	0,242	0,348	91,446	19,426	11,964	-12,969	10,189	19,923	20,176	19,928	19,831	78,312	59,678	73,021
29,167	0,206	0,611	0,510	0,256	0,355	91,438	19,424	15,994	-15,280	20,026	19,933	20,180	19,920	19,832	78,253	59,675	73,021
29,334	0,209	0,585	0,511	0,252	0,351	91,421	19,360	13,450	-13,214	12,085	19,929	20,187	19,923	19,832	78,297	59,677	73,050

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
23,500	55,312	0,780	0,790	16013,959	16412,058	55,518	9,169	508,553	10,026	14,133	4,853	2017-09-18 09:57
23,667	55,303	0,780	0,791	16038,364	16411,629	56,348	9,009	508,553	9,949	13,919	4,816	2017-09-18 09:57
23,833	55,293	0,780	0,791	16037,752	16503,093	61,021	9,110	508,553	9,908	13,929	4,818	2017-09-18 09:57
24,000	55,285	0,780	0,790	16002,306	16444,188	75,625	9,451	508,553	10,015	13,899	4,813	2017-09-18 09:58
24,167	55,287	0,780	0,790	15996,229	16574,565	52,373	9,764	508,553	10,034	13,956	4,823	2017-09-18 09:58
24,333	55,287	0,780	0,789	15979,937	16572,092	43,767	9,603	508,460	9,791	14,060	4,841	2017-09-18 09:58
24,500	55,285	0,779	0,789	16019,960	16493,823	46,522	9,831	508,460	9,879	14,068	4,842	2017-09-18 09:58
24,667	55,291	0,780	0,789	16070,633	16395,418	69,141	9,738	508,553	10,022	14,161	4,858	2017-09-18 09:58
24,833	55,289	0,778	0,789	16043,090	16520,448	55,313	9,803	508,460	9,945	14,012	4,833	2017-09-18 09:58
25,000	55,284	0,779	0,790	16012,986	16593,036	68,050	9,776	508,460	10,115	13,829	4,801	2017-09-18 09:59
25,167	55,280	0,780	0,790	16029,262	16552,182	51,960	10,120	508,460	10,175	13,876	4,809	2017-09-18 09:59
25,333	55,275	0,779	0,790	16062,104	16616,104	37,114	10,040	508,460	10,070	13,976	4,826	2017-09-18 09:59
25,500	55,265	0,780	0,790	16084,095	16648,959	45,668	10,000	508,460	9,723	13,967	4,825	2017-09-18 09:59
25,667	55,257	0,780	0,789	16125,743	16631,232	29,737	10,155	508,460	10,038	14,013	4,833	2017-09-18 09:59
25,833	55,251	0,779	0,789	16169,373	16686,749	37,256	10,431	508,460	9,856	13,952	4,822	2017-09-18 09:59
26,000	55,249	0,779	0,789	16166,044	16655,585	52,783	9,991	508,460	9,991	14,190	4,863	2017-09-18 10:00
26,167	55,249	0,779	0,789	16175,295	16682,079	70,201	9,431	508,318	9,830	14,032	4,836	2017-09-18 10:00
26,333	55,255	0,780	0,790	16170,853	16623,770	89,700	8,806	508,318	9,977	14,064	4,841	2017-09-18 10:00
26,500	55,257	0,780	0,790	16184,054	16649,636	65,180	9,261	508,460	10,226	14,138	4,854	2017-09-18 10:00
26,667	55,255	0,780	0,789	16153,211	16565,936	81,100	9,076	508,318	10,025	14,068	4,842	2017-09-18 10:00
26,833	55,253	0,779	0,790	16167,826	16520,897	70,771	8,913	508,318	9,772	14,298	4,882	2017-09-18 10:00
27,000	55,248	0,780	0,790	16139,508	16500,436	82,556	8,734	508,318	10,024	14,126	4,852	2017-09-18 10:01
27,167	55,245	0,779	0,790	16111,227	16589,490	92,903	9,006	508,460	10,111	14,252	4,874	2017-09-18 10:01
27,334	55,238	0,779	0,790	16097,381	16535,857	86,559	8,875	508,318	10,077	13,983	4,828	2017-09-18 10:01
27,500	55,232	0,780	0,789	16108,272	16373,314	97,569	9,142	508,318	10,119	14,034	4,836	2017-09-18 10:01
27,667	55,229	0,779	0,790	16096,529	16505,481	71,862	9,897	508,318	9,936	14,159	4,858	2017-09-18 10:01
27,834	55,226	0,779	0,789	16060,341	16392,954	56,380	10,528	508,224	10,177	14,259	4,875	2017-09-18 10:01
28,000	55,226	0,780	0,789	16050,992	16636,230	59,295	10,401	508,224	10,100	14,022	4,834	2017-09-18 10:02
28,167	55,229	0,779	0,790	16066,126	16605,397	82,775	9,801	508,224	10,151	14,172	4,860	2017-09-18 10:02
28,334	55,228	0,780	0,789	16075,106	16599,781	98,302	9,370	508,224	10,086	14,051	4,839	2017-09-18 10:02
28,500	55,226	0,780	0,790	16103,802	16631,437	95,165	9,070	508,224	9,941	14,087	4,845	2017-09-18 10:02
28,667	55,225	0,779	0,789	16097,264	16543,618	79,262	9,134	508,224	10,176	13,972	4,826	2017-09-18 10:02
28,834	55,225	0,779	0,790	16100,449	16539,096	91,850	9,395	508,224	10,271	14,044	4,838	2017-09-18 10:02
29,000	55,224	0,780	0,789	16099,952	16622,064	46,106	9,961	508,225	9,685	13,936	4,819	2017-09-18 10:03
29,167	55,221	0,780	0,789	16091,811	16577,722	43,594	10,267	508,131	10,236	14,189	4,863	2017-09-18 10:03
29,334	55,220	0,780	0,790	16139,564	16624,535	65,941	9,623	508,224	10,097	14,046	4,838	2017-09-18 10:03

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
29,500	0,210	0,563	0,511	0,253	0,355	91,448	19,356	19,526	-13,215	17,591	19,920	20,179	19,925	19,833	78,265	59,685	73,054
29,667	0,210	0,559	0,510	0,245	0,348	91,509	19,343	25,904	-17,374	21,916	19,937	20,188	19,903	19,832	78,432	59,682	73,051
29,833	0,205	0,577	0,510	0,254	0,351	91,529	19,366	22,164	-16,146	26,890	19,929	20,183	19,933	19,831	78,361	59,686	73,060
30,000	0,208	0,587	0,510	0,253	0,353	91,508	19,387	9,554	-16,052	20,542	19,935	20,180	19,923	19,835	78,226	59,687	73,086
30,167	0,208	0,563	0,510	0,258	0,357	91,456	19,396	12,196	-14,660	12,928	19,927	20,164	19,923	19,832	78,209	59,687	73,064
30,333	0,211	0,542	0,510	0,250	0,350	91,421	19,415	16,351	-14,090	15,994	19,932	20,196	19,932	19,837	78,223	59,687	73,063
30,500	0,210	0,556	0,510	0,257	0,355	91,403	19,425	19,758	-13,723	24,266	19,941	20,180	19,939	19,844	78,218	59,681	73,044
30,667	0,211	0,565	0,510	0,251	0,351	91,436	19,382	8,203	-16,798	19,530	19,922	20,184	19,936	19,837	78,166	59,677	73,005
30,833	0,212	0,552	0,510	0,244	0,351	91,322	19,345	10,013	-13,872	14,036	19,928	20,180	19,933	19,836	78,154	59,672	72,990
31,000	0,211	0,536	0,510	0,252	0,347	91,349	19,403	17,662	-13,974	23,281	19,942	20,181	19,945	19,839	78,041	59,667	72,986
31,167	0,217	0,533	0,510	0,250	0,361	91,395	19,395	15,642	-16,064	19,009	19,935	20,183	19,939	19,840	78,030	59,668	72,946
31,333	0,206	0,569	0,510	0,248	0,356	91,453	19,343	12,924	-14,381	14,268	19,937	20,200	19,948	19,849	77,926	59,656	72,908
31,500	0,204	0,608	0,510	0,251	0,354	91,469	19,327	14,632	-13,967	13,217	19,950	20,200	19,933	19,848	78,137	59,654	72,869
31,667	0,205	0,613	0,510	0,246	0,352	91,441	19,139	16,760	-12,985	13,747	19,956	20,195	19,957	19,850	78,143	59,642	72,854
31,833	0,205	0,601	0,510	0,248	0,349	91,440	19,306	20,622	-14,535	26,617	19,944	20,184	19,933	19,846	78,215	59,638	72,861
32,000	0,207	0,578	0,510	0,245	0,350	91,373	19,339	18,730	-13,583	15,206	19,940	20,185	19,948	19,840	78,092	59,629	72,865
32,167	0,208	0,568	0,510	0,248	0,355	91,375	19,374	19,723	-13,733	17,465	19,940	20,217	19,936	19,845	78,084	59,632	72,925
32,333	0,207	0,564	0,510	0,255	0,349	91,406	19,348	18,306	-14,323	21,012	19,925	20,205	19,948	19,840	77,976	59,642	72,928
32,500	0,207	0,582	0,510	0,253	0,351	91,349	19,343	13,970	-12,885	12,165	19,941	20,206	19,944	19,841	77,980	59,647	72,920
32,667	0,214	0,568	0,509	0,256	0,349	91,362	19,363	17,789	-14,344	22,597	19,965	20,209	19,947	19,853	78,080	59,652	72,884
32,833	0,209	0,566	0,509	0,245	0,346	91,377	19,267	21,454	-13,498	17,399	19,962	20,200	19,960	19,844	77,955	59,671	72,843
33,000	0,210	0,560	0,510	0,250	0,350	91,349	19,292	17,018	-14,892	24,291	19,932	20,200	19,949	19,843	77,979	59,671	72,856
33,167	0,210	0,564	0,509	0,247	0,350	91,360	19,340	14,861	-14,056	14,088	19,940	20,202	19,953	19,844	77,976	59,674	72,855
33,333	0,207	0,566	0,509	0,253	0,347	91,403	19,373	19,471	-15,377	26,898	19,951	20,211	19,962	19,853	78,075	59,682	72,870
33,500	0,209	0,578	0,509	0,252	0,352	91,467	19,347	14,085	-15,851	19,478	19,964	20,213	19,966	19,857	78,154	59,694	72,850
33,667	0,209	0,586	0,509	0,256	0,347	91,478	19,326	9,544	-16,038	18,013	19,949	20,213	19,952	19,845	78,116	59,698	72,861
33,834	0,207	0,597	0,509	0,251	0,348	91,454	19,329	9,402	-14,934	16,024	19,949	20,205	19,973	19,852	78,234	59,705	72,893
34,000	0,206	0,604	0,509	0,248	0,348	91,560	19,327	8,587	-14,289	17,445	19,952	20,210	19,968	19,850	78,177	59,707	72,916
34,167	0,204	0,609	0,509	0,254	0,355	91,631	19,329	12,559	-13,922	18,570	19,956	20,203	19,962	19,857	78,222	59,714	72,940
34,334	0,206	0,600	0,509	0,250	0,349	91,626	19,297	14,377	-13,000	14,497	19,939	20,196	19,961	19,844	78,245	59,720	72,948
34,500	0,206	0,584	0,509	0,248	0,356	91,670	19,301	9,178	-14,970	20,165	19,946	20,201	19,953	19,845	78,173	59,730	72,969
34,667	0,209	0,561	0,509	0,255	0,351	91,650	19,272	12,568	-13,018	15,968	19,946	20,189	19,953	19,845	78,267	59,734	72,994
34,834	0,213	0,552	0,509	0,251	0,348	91,685	19,246	12,743	-13,586	10,583	19,945	20,213	19,969	19,849	78,311	59,753	73,016
35,000	0,207	0,565	0,509	0,255	0,352	91,661	19,300	22,563	-12,096	20,825	19,956	20,218	19,971	19,852	78,254	59,765	73,017
35,167	0,210	0,578	0,509	0,247	0,358	91,703	19,304	23,709	-13,013	24,499	19,940	20,180	19,956	19,844	78,311	59,776	73,005
35,334	0,208	0,570	0,509	0,252	0,353	91,743	19,290	12,605	-15,483	19,871	19,929	20,192	19,967	19,841	78,246	59,777	73,009

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
29,500	55,218	0,779	0,790	16136,440	16549,789	72,015	9,078	508,224	10,113	14,183	4,862	2017-09-18 10:03
29,667	55,221	0,780	0,790	16131,537	16730,667	71,591	8,973	508,130	9,807	13,920	4,817	2017-09-18 10:03
29,833	55,217	0,780	0,790	16154,369	16671,450	42,329	9,430	508,130	10,168	14,047	4,839	2017-09-18 10:03
30,000	55,214	0,780	0,791	16200,351	16550,591	56,595	9,670	508,131	10,119	14,118	4,851	2017-09-18 10:04
30,167	55,217	0,779	0,790	16156,760	16514,131	60,264	9,079	508,130	10,330	14,288	4,880	2017-09-18 10:04
30,333	55,220	0,778	0,789	16134,770	16500,871	77,824	8,538	508,130	9,987	13,986	4,828	2017-09-18 10:04
30,500	55,217	0,779	0,789	16108,544	16517,869	73,113	8,899	508,130	10,293	14,208	4,866	2017-09-18 10:04
30,667	55,213	0,779	0,790	16105,309	16483,958	77,963	9,131	508,131	10,048	14,056	4,840	2017-09-18 10:04
30,833	55,212	0,780	0,790	16088,905	16481,653	83,234	8,808	508,130	9,764	14,044	4,838	2017-09-18 10:04
31,000	55,213	0,780	0,790	16081,439	16391,808	75,020	8,408	508,131	10,097	13,895	4,812	2017-09-18 10:05
31,167	55,213	0,779	0,790	16046,340	16355,283	111,217	8,316	508,037	9,991	14,441	4,906	2017-09-18 10:05
31,333	55,210	0,778	0,789	16000,202	16270,572	47,780	9,232	508,037	9,909	14,249	4,873	2017-09-18 10:05
31,500	55,213	0,779	0,790	15976,616	16474,081	33,935	10,210	508,037	10,023	14,153	4,857	2017-09-18 10:05
31,667	55,209	0,779	0,790	15965,253	16494,581	36,440	10,327	508,037	9,858	14,064	4,841	2017-09-18 10:05
31,833	55,209	0,779	0,789	15967,555	16551,491	42,311	10,020	508,036	9,930	13,956	4,823	2017-09-18 10:05
32,000	55,209	0,779	0,789	15962,632	16448,261	50,973	9,440	508,037	9,816	14,000	4,830	2017-09-18 10:06
32,167	55,212	0,779	0,789	16017,417	16448,749	56,553	9,193	508,037	9,925	14,201	4,865	2017-09-18 10:06
32,333	55,234	0,779	0,790	16009,309	16343,959	53,777	9,106	508,037	10,201	13,942	4,820	2017-09-18 10:06
32,500	55,272	0,779	0,790	15974,458	16340,472	54,246	9,540	508,037	10,137	14,058	4,840	2017-09-18 10:06
32,667	55,291	0,779	0,789	15910,048	16421,778	96,607	9,202	507,943	10,235	13,961	4,824	2017-09-18 10:06
32,833	55,299	0,779	0,789	15852,477	16285,461	62,845	9,139	507,943	9,810	13,826	4,800	2017-09-18 10:06
33,000	55,300	0,778	0,789	15864,412	16297,701	72,637	9,001	508,037	9,984	14,001	4,831	2017-09-18 10:07
33,167	55,305	0,778	0,789	15864,632	16286,406	69,350	9,112	507,943	9,893	14,016	4,833	2017-09-18 10:07
33,333	55,309	0,778	0,789	15868,410	16375,097	52,179	9,147	507,943	10,116	13,892	4,812	2017-09-18 10:07
33,500	55,312	0,779	0,789	15858,705	16450,524	62,025	9,451	507,943	10,074	14,078	4,844	2017-09-18 10:07
33,667	55,312	0,780	0,790	15876,357	16428,882	61,793	9,644	507,932	10,226	13,877	4,809	2017-09-18 10:07
33,834	55,311	0,779	0,789	15901,557	16517,123	49,806	9,936	507,943	10,034	13,921	4,817	2017-09-18 10:07
34,000	55,312	0,780	0,790	15929,057	16472,336	47,356	10,106	507,942	9,940	13,913	4,815	2017-09-18 10:08
34,167	55,325	0,780	0,790	15942,354	16504,396	32,732	10,221	507,943	10,166	14,198	4,865	2017-09-18 10:08
34,334	55,342	0,779	0,789	15918,516	16513,481	47,770	10,001	507,849	10,001	13,945	4,821	2017-09-18 10:08
34,500	55,355	0,779	0,789	15926,232	16432,480	42,523	9,603	507,849	9,929	14,249	4,873	2017-09-18 10:08
34,667	55,360	0,779	0,789	15949,361	16518,017	64,746	9,036	507,849	10,182	14,058	4,840	2017-09-18 10:08
34,834	55,366	0,779	0,789	15966,899	16532,087	88,230	8,791	507,849	10,050	13,907	4,814	2017-09-18 10:08
35,000	55,368	0,779	0,789	15957,724	16474,246	51,957	9,123	507,849	10,207	14,063	4,841	2017-09-18 10:09
35,167	55,372	0,779	0,790	15963,410	16524,347	68,106	9,446	507,849	9,894	14,306	4,883	2017-09-18 10:09
35,334	55,371	0,780	0,790	15967,320	16470,916	60,090	9,256	507,849	10,099	14,120	4,851	2017-09-18 10:09

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
35,500	0,208	0,570	0,509	0,254	0,351	91,776	19,318	13,041	-12,740	9,846	19,946	20,187	19,954	19,843	78,288	59,779	73,044
35,667	0,215	0,564	0,509	0,254	0,352	91,835	19,287	20,354	-11,928	23,619	19,952	20,208	19,966	19,844	78,290	59,791	73,052
35,834	0,209	0,576	0,508	0,253	0,347	91,849	19,276	18,451	-14,767	25,888	19,940	20,212	19,957	19,845	78,143	59,797	73,040
36,000	0,214	0,570	0,508	0,255	0,349	91,855	19,284	15,611	-14,301	12,039	19,962	20,203	19,958	19,850	78,257	59,803	73,048
36,167	0,213	0,565	0,508	0,256	0,349	91,865	19,234	23,232	-11,944	21,885	19,952	20,203	19,973	19,846	78,309	59,806	73,050
36,334	0,211	0,580	0,508	0,251	0,355	91,942	19,227	22,139	-13,596	24,935	19,961	20,210	19,969	19,848	78,207	59,808	73,043
36,500	0,210	0,584	0,508	0,249	0,356	91,976	19,293	21,663	-14,113	22,926	19,940	20,204	19,966	19,848	78,332	59,812	73,060
36,667	0,207	0,579	0,507	0,254	0,351	92,026	19,286	19,105	-14,557	25,336	19,957	20,209	19,964	19,856	78,365	59,818	73,066
36,833	0,210	0,577	0,508	0,252	0,350	92,012	19,300	14,466	-14,158	17,364	19,965	20,236	19,997	19,869	78,477	59,834	73,095
37,000	0,208	0,569	0,508	0,252	0,354	91,977	19,259	11,224	-14,201	15,382	19,960	20,211	19,974	19,856	78,408	59,842	73,116
37,167	0,210	0,559	0,508	0,253	0,356	91,958	19,289	11,759	-14,092	19,072	19,960	20,229	19,985	19,858	78,413	59,847	73,149
37,333	0,209	0,563	0,508	0,255	0,355	92,002	19,295	10,447	-13,168	12,327	19,960	20,218	19,978	19,852	78,296	59,855	73,164
37,500	0,208	0,581	0,508	0,255	0,350	92,042	19,323	17,944	-15,432	25,390	19,970	20,210	19,973	19,852	78,394	59,862	73,164
37,667	0,207	0,602	0,507	0,256	0,352	92,104	19,327	13,586	-13,245	14,907	19,939	20,208	19,986	19,856	78,354	59,871	73,158
37,833	0,207	0,596	0,507	0,257	0,351	92,217	19,288	12,166	-13,497	16,964	19,945	20,204	19,973	19,848	78,432	59,871	73,152
38,000	0,207	0,591	0,507	0,250	0,351	92,207	19,308	19,645	-14,358	24,706	19,956	20,214	19,982	19,853	78,617	59,878	73,144
38,167	0,205	0,611	0,507	0,254	0,354	92,162	19,285	17,666	-14,485	17,400	19,937	20,213	19,980	19,846	78,516	59,870	73,190
38,333	0,206	0,608	0,507	0,253	0,347	92,152	19,327	17,360	-15,144	23,421	19,957	20,218	19,990	19,854	78,560	59,874	73,229
38,500	0,208	0,587	0,507	0,256	0,353	92,174	19,386	17,405	-13,658	17,456	19,945	20,233	19,974	19,857	78,599	59,883	73,247
38,667	0,206	0,584	0,507	0,253	0,357	92,131	19,397	15,006	-13,427	12,826	19,970	20,221	20,006	19,866	78,576	59,892	73,263
38,833	0,207	0,591	0,507	0,252	0,355	92,018	19,356	21,208	-13,121	19,490	19,944	20,209	19,980	19,845	78,642	59,898	73,264
39,000	0,206	0,606	0,507	0,253	0,349	92,045	19,319	21,490	-15,197	25,423	19,957	20,220	19,982	19,856	78,536	59,906	73,283
39,167	0,206	0,604	0,507	0,257	0,349	92,056	19,342	18,653	-14,843	23,570	19,948	20,216	19,990	19,861	78,638	59,917	73,303
39,333	0,204	0,608	0,507	0,249	0,357	92,032	19,351	18,112	-14,208	22,125	19,954	20,218	19,978	19,853	78,622	59,928	73,305
39,500	0,204	0,603	0,507	0,258	0,355	91,973	19,359	16,954	-16,651	22,564	19,949	20,201	19,975	19,849	78,821	59,933	73,309
39,667	0,210	0,585	0,507	0,249	0,351	91,952	19,373	12,000	-14,684	16,367	19,952	20,216	19,973	19,850	78,668	59,940	73,352
39,833	0,205	0,574	0,507	0,251	0,356	91,995	19,404	11,880	-13,527	10,119	19,947	20,208	19,980	19,846	78,586	59,945	73,422
40,000	0,208	0,579	0,507	0,250	0,350	92,065	19,425	21,782	-12,594	17,938	19,941	20,210	19,986	19,848	78,715	59,959	73,407
40,167	0,208	0,587	0,507	0,252	0,348	92,117	19,383	25,894	-12,261	21,158	19,954	20,218	19,973	19,850	78,757	59,963	73,397
40,333	0,205	0,610	0,507	0,250	0,349	92,123	19,397	23,033	-13,966	20,312	19,936	20,226	19,985	19,853	78,700	59,965	73,395
40,500	0,205	0,618	0,506	0,249	0,357	92,074	19,407	20,474	-15,959	28,315	19,956	20,216	19,991	19,853	78,839	59,960	73,407
40,667	0,206	0,597	0,506	0,253	0,347	92,024	19,406	15,539	-15,362	18,921	19,943	20,217	19,996	19,860	78,663	59,951	73,379
40,834	0,208	0,559	0,506	0,261	0,358	92,071	19,411	15,058	-15,545	22,516	19,957	20,210	19,982	19,849	78,626	59,936	73,401
41,000	0,215	0,533	0,506	0,252	0,349	91,994	19,436	13,618	-14,192	14,187	19,958	20,222	19,995	19,857	78,605	59,927	73,383
41,167	0,210	0,537	0,506	0,248	0,347	91,917	19,461	14,813	-14,024	18,168	19,959	20,226	20,002	19,866	78,648	59,920	73,356
41,334	0,213	0,541	0,506	0,248	0,350	91,911	19,428	18,224	-13,864	19,544	19,949	20,224	19,986	19,853	78,525	59,920	73,349

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
35,500	55,378	0,779	0,789	15981,267	16500,128	58,440	9,244	507,849	10,177	14,055	4,840	2017-09-18 10:09
35,667	55,382	0,779	0,790	15990,357	16485,453	99,831	9,104	507,849	10,160	14,077	4,844	2017-09-18 10:09
35,834	55,380	0,780	0,789	15968,796	16363,463	63,721	9,394	507,756	10,106	13,893	4,812	2017-09-18 10:09
36,000	55,387	0,779	0,789	15959,861	16449,378	92,382	9,259	507,756	10,207	13,951	4,822	2017-09-18 10:10
36,167	55,395	0,779	0,789	15968,046	16490,332	91,027	9,119	507,756	10,226	13,945	4,821	2017-09-18 10:10
36,334	55,406	0,779	0,790	15955,676	16401,283	79,499	9,496	507,756	10,037	14,194	4,864	2017-09-18 10:10
36,500	55,414	0,779	0,790	15965,515	16503,095	69,596	9,606	507,756	9,966	14,227	4,870	2017-09-18 10:10
36,667	55,418	0,779	0,790	15968,344	16535,387	53,815	9,464	507,616	10,159	14,054	4,840	2017-09-18 10:10
36,833	55,425	0,779	0,790	15986,279	16619,193	69,576	9,429	507,756	10,083	14,015	4,833	2017-09-18 10:10
37,000	55,430	0,780	0,790	16003,891	16554,815	57,641	9,234	507,756	10,096	14,151	4,856	2017-09-18 10:11
37,167	55,431	0,779	0,790	16043,133	16542,609	69,357	8,972	507,756	10,133	14,246	4,873	2017-09-18 10:11
37,333	55,437	0,778	0,789	16032,552	16420,176	63,669	9,065	507,756	10,216	14,206	4,866	2017-09-18 10:11
37,500	55,438	0,779	0,789	16029,088	16515,438	60,660	9,535	507,756	10,187	14,016	4,833	2017-09-18 10:11
37,667	55,429	0,779	0,789	16037,581	16474,450	49,854	10,040	507,616	10,231	14,075	4,843	2017-09-18 10:11
37,833	55,423	0,779	0,789	16035,363	16544,623	53,138	9,888	507,616	10,267	14,027	4,835	2017-09-18 10:11
38,000	55,423	0,779	0,791	16053,223	16707,203	54,472	9,773	507,616	10,004	14,041	4,837	2017-09-18 10:12
38,167	55,425	0,780	0,790	16084,690	16628,107	38,969	10,284	507,616	10,178	14,144	4,855	2017-09-18 10:12
38,333	55,434	0,780	0,790	16106,824	16665,891	48,204	10,209	507,616	10,120	13,897	4,813	2017-09-18 10:12
38,500	55,442	0,779	0,790	16111,227	16682,755	59,944	9,679	507,523	10,225	14,122	4,851	2017-09-18 10:12
38,667	55,450	0,779	0,790	16116,022	16640,436	44,834	9,610	507,616	10,115	14,265	4,876	2017-09-18 10:12
38,833	55,451	0,778	0,789	16094,546	16689,749	49,448	9,784	507,522	10,087	14,203	4,865	2017-09-18 10:12
39,000	55,457	0,779	0,789	16112,857	16592,388	45,293	10,138	507,522	10,129	13,973	4,826	2017-09-18 10:13
39,167	55,462	0,779	0,789	16131,778	16681,168	44,511	10,111	507,522	10,285	13,966	4,825	2017-09-18 10:13
39,333	55,467	0,779	0,789	16130,361	16665,979	31,812	10,202	507,522	9,971	14,299	4,882	2017-09-18 10:13
39,500	55,465	0,780	0,790	16151,893	16851,582	34,136	10,077	507,523	10,324	14,190	4,863	2017-09-18 10:13
39,667	55,463	0,780	0,790	16193,896	16703,015	68,526	9,624	507,522	9,952	14,045	4,838	2017-09-18 10:13
39,833	55,462	0,780	0,789	16242,923	16624,345	38,448	9,350	507,522	10,034	14,222	4,869	2017-09-18 10:13
40,000	55,461	0,780	0,790	16242,302	16726,588	57,161	9,469	507,523	9,985	13,985	4,828	2017-09-18 10:14
40,167	55,449	0,780	0,789	16234,771	16764,665	59,805	9,685	507,522	10,073	13,935	4,819	2017-09-18 10:14
40,333	55,422	0,780	0,790	16260,251	16713,939	40,442	10,244	507,523	10,015	13,944	4,821	2017-09-18 10:14
40,500	55,409	0,779	0,789	16278,578	16832,256	40,877	10,447	507,428	9,960	14,276	4,878	2017-09-18 10:14
40,667	55,403	0,779	0,789	16258,806	16678,915	44,208	9,930	507,428	10,117	13,874	4,809	2017-09-18 10:14
40,834	55,407	0,780	0,790	16284,089	16666,657	59,666	8,978	507,429	10,437	14,332	4,887	2017-09-18 10:14
41,000	55,413	0,779	0,790	16260,385	16650,187	104,619	8,316	507,428	10,061	13,943	4,821	2017-09-18 10:15
41,167	55,415	0,779	0,789	16227,317	16689,809	68,248	8,413	507,428	9,914	13,895	4,812	2017-09-18 10:15
41,334	55,417	0,778	0,789	16204,196	16561,450	91,666	8,537	507,428	9,928	14,013	4,833	2017-09-18 10:15

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
41,500	0,209	0,556	0,507	0,254	0,354	91,945	19,436	12,739	-14,204	18,796	19,954	20,203	19,986	19,849	78,605	59,916	73,324
41,667	0,207	0,565	0,506	0,249	0,351	91,913	19,437	17,420	-15,458	23,096	19,956	20,214	19,981	19,849	78,614	59,909	73,295
41,834	0,209	0,570	0,506	0,253	0,348	91,884	19,403	13,793	-14,776	15,867	19,947	20,218	19,999	19,850	78,552	59,901	73,287
42,000	0,209	0,574	0,506	0,255	0,351	91,897	19,377	12,094	-14,759	15,999	19,960	20,221	19,983	19,850	78,414	59,902	73,286
42,167	0,210	0,581	0,506	0,255	0,350	91,893	19,348	13,612	-12,784	11,344	19,948	20,201	19,994	19,852	78,508	59,904	73,260
42,334	0,208	0,575	0,506	0,254	0,350	91,851	19,385	20,708	-13,249	19,626	19,943	20,222	19,986	19,850	78,551	59,904	73,237
42,500	0,207	0,568	0,506	0,252	0,349	91,816	19,386	20,110	-12,830	16,953	19,947	20,212	19,978	19,853	78,474	59,889	73,243
42,667	0,209	0,563	0,506	0,252	0,346	91,784	19,406	23,283	-13,450	24,758	19,948	20,216	19,992	19,853	78,433	59,882	73,237
42,834	0,210	0,544	0,506	0,252	0,353	91,796	19,419	18,697	-16,592	28,309	19,952	20,218	20,007	19,858	78,417	59,879	73,229
43,000	0,209	0,555	0,506	0,247	0,353	91,827	19,437	16,061	-15,710	18,522	19,959	20,220	20,004	19,866	78,441	59,874	73,220
43,167	0,207	0,577	0,506	0,257	0,357	91,900	19,423	20,905	-13,456	15,946	19,963	20,220	20,010	19,864	78,425	59,871	73,185
43,333	0,207	0,594	0,506	0,251	0,348	91,899	19,429	22,457	-13,252	22,012	20,001	20,264	20,040	19,896	78,378	59,869	73,179
43,500	0,207	0,586	0,506	0,253	0,356	91,808	19,401	27,174	-13,880	21,138	19,976	20,234	20,003	19,862	78,232	59,865	73,156
43,667	0,206	0,578	0,506	0,252	0,357	91,697	19,420	23,538	-15,304	26,695	19,960	20,232	20,006	19,864	78,392	59,867	73,149
43,833	0,208	0,568	0,506	0,250	0,355	91,764	19,420	12,897	-16,117	18,776	19,972	20,233	20,020	19,866	78,286	59,863	73,113
44,000	0,209	0,565	0,505	0,253	0,358	91,773	19,411	19,852	-15,602	18,309	19,957	20,250	20,002	19,866	78,281	59,855	73,122
44,167	0,205	0,605	0,505	0,253	0,352	91,774	19,429	17,019	-13,763	14,740	19,972	20,229	20,008	19,865	78,335	59,853	73,105
44,333	0,206	0,618	0,505	0,257	0,348	91,793	19,412	20,015	-14,464	22,601	19,955	20,232	19,994	19,860	78,359	59,831	73,100
44,500	0,204	0,608	0,505	0,251	0,349	91,847	19,452	20,173	-15,559	24,632	19,968	20,234	20,008	19,869	78,508	59,795	73,120
44,667	0,207	0,595	0,505	0,254	0,347	91,898	19,428	18,712	-15,057	19,441	19,959	20,237	20,025	19,870	78,560	59,773	73,137
44,833	0,203	0,603	0,506	0,248	0,346	91,914	19,450	14,374	-14,414	12,606	19,963	20,224	20,027	19,869	78,607	59,763	73,171
45,000	0,203	0,622	0,505	0,251	0,343	91,901	19,419	22,781	-13,545	24,010	19,973	20,233	20,015	19,868	78,551	59,764	73,205
45,167	0,204	0,624	0,505	0,248	0,349	91,927	19,418	22,039	-15,732	25,520	19,952	20,224	20,016	19,868	78,462	59,764	73,230
45,333	0,204	0,615	0,505	0,258	0,350	91,883	19,436	21,144	-14,124	14,608	19,978	20,226	20,016	19,866	78,644	59,771	73,241
45,500	0,208	0,592	0,505	0,251	0,358	91,844	19,419	22,742	-12,864	24,688	19,957	20,225	20,012	19,862	78,640	59,776	73,256
45,667	0,207	0,563	0,505	0,254	0,353	91,831	19,379	24,432	-14,158	22,592	19,957	20,226	20,019	19,868	78,539	59,781	73,271
45,833	0,220	0,535	0,505	0,256	0,354	91,849	19,385	14,711	-15,550	22,979	19,964	20,233	20,020	19,870	78,429	59,775	73,279
46,000	0,216	0,520	0,505	0,253	0,353	91,862	19,406	17,460	-14,965	16,634	19,959	20,223	20,025	19,866	78,358	59,784	73,248
46,167	0,212	0,529	0,505	0,254	0,352	91,862	19,426	17,468	-14,460	13,821	19,960	20,236	20,025	19,866	78,338	59,763	73,205
46,333	0,213	0,533	0,505	0,253	0,355	91,738	19,420	22,188	-13,359	24,493	19,952	20,224	20,028	19,864	78,309	59,753	73,154
46,500	0,214	0,528	0,463	0,252	0,352	91,701	19,395	16,142	-13,538	22,154	19,968	20,230	20,025	19,865	78,297	59,734	73,116
46,667	0,213	0,543	0,463	0,255	0,349	91,698	19,367	149,702	-114,731	126,510	19,973	20,232	20,023	19,870	78,336	59,724	73,078
46,833	0,208	0,572	0,467	0,252	0,354	91,672	19,321	187,780	-37,220	48,519	19,966	20,224	20,016	19,865	78,115	59,717	73,025
47,000	0,207	0,591	0,463	0,261	0,358	91,650	19,380	40,572	-31,562	32,004	19,960	20,234	20,027	19,864	78,231	59,701	73,028
47,167	0,207	0,595	0,463	0,248	0,356	91,690	19,401	1,683	-31,330	27,145	19,965	20,237	20,021	19,868	78,366	59,687	73,016
47,334	0,209	0,578	0,464	0,252	0,355	91,781	19,420	21,400	-25,874	16,933	19,973	20,225	20,019	19,864	78,197	59,685	73,013

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
41,500	55,419	0,778	0,789	16182,402	16630,727	65,166	8,888	507,522	10,146	14,151	4,856	2017-09-18 10:15
41,667	55,422	0,778	0,789	16158,479	16652,147	54,906	9,122	507,428	9,945	14,053	4,840	2017-09-18 10:15
41,834	55,421	0,780	0,789	16157,191	16632,815	65,399	9,244	507,335	10,128	13,924	4,817	2017-09-18 10:15
42,000	55,413	0,779	0,790	16169,730	16502,148	62,647	9,340	507,428	10,212	14,038	4,837	2017-09-18 10:16
42,167	55,400	0,780	0,789	16146,226	16590,984	68,669	9,516	507,428	10,181	13,986	4,828	2017-09-18 10:16
42,334	55,396	0,779	0,790	16149,356	16619,937	55,733	9,375	507,335	10,161	14,019	4,834	2017-09-18 10:16
42,500	55,386	0,780	0,789	16154,056	16571,516	50,188	9,194	507,335	10,086	13,944	4,821	2017-09-18 10:16
42,667	55,384	0,779	0,789	16142,342	16538,445	64,294	9,063	507,335	10,092	13,855	4,805	2017-09-18 10:16
42,834	55,388	0,779	0,789	16127,476	16523,783	68,540	8,588	507,336	10,092	14,124	4,852	2017-09-18 10:16
43,000	55,390	0,780	0,789	16123,178	16557,238	65,420	8,870	507,335	9,875	14,136	4,854	2017-09-18 10:17
43,167	55,394	0,779	0,789	16089,957	16542,200	50,084	9,422	507,335	10,287	14,299	4,882	2017-09-18 10:17
43,333	55,396	0,779	0,790	16088,083	16500,177	49,253	9,860	507,335	10,023	13,916	4,816	2017-09-18 10:17
43,500	55,396	0,779	0,789	16049,065	16374,720	53,253	9,641	507,335	10,125	14,238	4,871	2017-09-18 10:17
43,667	55,398	0,779	0,789	16043,005	16506,529	42,930	9,457	507,335	10,071	14,299	4,882	2017-09-18 10:17
43,833	55,383	0,779	0,788	16010,997	16410,095	58,676	9,202	507,335	10,018	14,201	4,865	2017-09-18 10:17
44,000	55,319	0,779	0,789	16094,410	16421,297	62,307	9,133	507,240	10,103	14,305	4,883	2017-09-18 10:18
44,167	55,276	0,780	0,789	16113,710	16481,037	40,411	10,117	507,241	10,126	14,071	4,843	2017-09-18 10:18
44,333	55,255	0,779	0,789	16144,085	16509,297	47,975	10,459	507,240	10,262	13,929	4,818	2017-09-18 10:18
44,500	55,247	0,779	0,789	16157,859	16680,621	31,412	10,196	507,240	10,036	13,979	4,827	2017-09-18 10:18
44,667	55,240	0,780	0,789	16182,732	16756,604	54,865	9,879	507,241	10,174	13,894	4,812	2017-09-18 10:18
44,833	55,240	0,779	0,788	16200,054	16801,434	29,932	10,082	507,335	9,915	13,838	4,802	2017-09-18 10:18
45,000	55,242	0,779	0,789	16238,507	16740,307	28,490	10,553	507,241	10,032	13,725	4,783	2017-09-18 10:19
45,167	55,241	0,780	0,789	16263,275	16683,741	33,677	10,599	507,147	9,910	13,968	4,825	2017-09-18 10:19
45,333	55,245	0,780	0,790	16284,647	16840,066	33,337	10,384	507,241	10,307	13,993	4,829	2017-09-18 10:19
45,500	55,241	0,780	0,789	16295,586	16841,363	60,980	9,805	507,147	10,035	14,301	4,882	2017-09-18 10:19
45,667	55,229	0,779	0,789	16304,120	16715,097	49,229	9,076	507,147	10,153	14,114	4,850	2017-09-18 10:19
45,833	55,209	0,779	0,789	16341,452	16628,896	130,573	8,375	507,147	10,241	14,144	4,855	2017-09-18 10:19
46,000	55,201	0,779	0,789	16309,284	16550,372	105,425	7,996	507,147	10,139	14,108	4,849	2017-09-18 10:20
46,167	55,202	0,780	0,789	16271,230	16567,106	81,959	8,222	507,147	10,141	14,084	4,845	2017-09-18 10:20
46,333	55,197	0,780	0,789	16237,445	16548,963	91,784	8,318	507,147	10,115	14,182	4,862	2017-09-18 10:20
46,500	55,192	0,779	0,790	16223,924	16548,795	96,642	8,200	499,338	10,070	14,074	4,843	2017-09-18 10:20
46,667	55,196	0,780	0,789	16170,204	16608,893	86,534	8,564	499,325	10,205	13,959	4,823	2017-09-18 10:20
46,833	55,193	0,780	0,789	16126,578	16408,470	59,739	9,309	500,029	10,066	14,170	4,860	2017-09-18 10:20
47,000	55,189	0,779	0,789	16138,789	16519,663	52,599	9,775	499,232	10,436	14,327	4,887	2017-09-18 10:21
47,167	55,190	0,778	0,789	16113,696	16634,982	54,055	9,878	499,326	9,904	14,246	4,873	2017-09-18 10:21
47,334	55,184	0,779	0,789	16117,668	16496,245	62,429	9,444	499,468	10,086	14,182	4,862	2017-09-18 10:21

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
47,500	0,207	0,562	0,464	0,257	0,349	91,779	19,423	24,485	-23,629	17,773	19,965	20,223	20,041	19,866	78,218	59,681	73,059
47,667	0,210	0,568	0,464	0,256	0,354	91,858	19,449	15,975	-22,248	20,048	19,984	20,225	20,032	19,870	78,242	59,689	73,023
47,834	0,208	0,567	0,464	0,256	0,351	91,953	19,411	16,970	-21,482	17,979	19,978	20,229	20,016	19,868	78,313	59,681	72,975
48,000	0,211	0,568	0,464	0,252	0,357	92,018	19,388	14,009	-19,025	10,252	19,964	20,220	20,020	19,862	78,224	59,672	72,962
48,167	0,208	0,562	0,449	0,256	0,351	92,084	19,422	16,518	-18,057	16,438	19,982	20,229	20,020	19,869	78,230	59,666	72,967
48,334	0,208	0,568	0,462	0,250	0,349	92,163	19,425	22,023	-16,176	19,096	19,965	20,233	20,036	19,862	78,189	59,658	72,952
48,500	0,205	0,587	0,463	0,251	0,348	92,211	19,376	23,082	-16,905	24,697	19,967	20,236	20,027	19,866	78,250	59,651	72,950
48,667	0,204	0,610	0,462	0,250	0,351	92,322	19,369	20,132	-15,133	12,314	19,965	20,222	20,037	19,864	78,257	59,651	72,959
48,834	0,204	0,612	0,462	0,255	0,352	92,292	19,355	24,488	-16,393	19,587	19,974	20,226	20,013	19,861	78,276	59,643	72,975
49,000	0,207	0,576	0,462	0,255	0,350	92,321	19,363	23,673	-16,549	26,191	19,956	20,233	20,019	19,862	78,375	59,651	72,979
49,167	0,208	0,546	0,462	0,255	0,351	92,330	19,402	11,619	-16,937	19,030	19,967	20,228	20,044	19,869	78,303	59,656	73,005
49,334	0,209	0,545	0,462	0,255	0,355	92,340	19,409	11,519	-15,631	14,521	19,959	20,236	20,034	19,868	78,292	59,654	73,046
49,500	0,207	0,554	0,462	0,262	0,354	92,333	19,402	12,938	-12,630	9,513	19,974	20,240	20,027	19,872	78,340	59,662	73,027
49,667	0,209	0,555	0,462	0,250	0,350	92,389	19,422	21,983	-12,727	18,837	19,969	20,236	20,034	19,868	78,300	59,664	73,006
49,834	0,205	0,573	0,462	0,255	0,350	92,457	19,350	21,501	-15,603	29,514	19,973	20,244	20,061	19,877	78,398	59,659	73,013
50,000	0,206	0,585	0,462	0,250	0,352	92,507	19,372	15,149	-16,018	18,445	19,973	20,236	20,044	19,869	78,406	59,652	73,019
50,167	0,205	0,592	0,462	0,256	0,355	92,519	19,403	12,219	-12,961	9,711	19,968	20,228	20,024	19,865	78,361	59,650	73,023
50,333	0,205	0,589	0,462	0,260	0,349	92,537	19,414	20,899	-15,886	26,251	19,965	20,232	20,032	19,864	78,450	59,642	73,052
50,500	0,207	0,574	0,462	0,256	0,354	92,539	19,333	13,981	-12,841	12,732	19,966	20,237	20,038	19,865	78,379	59,647	73,046
50,667	0,208	0,552	0,462	0,264	0,354	92,497	19,347	22,593	-13,938	20,661	19,960	20,241	20,053	19,868	78,509	59,652	73,062
50,833	0,207	0,560	0,462	0,249	0,354	92,526	19,264	18,230	-16,405	24,467	19,968	20,217	20,037	19,868	78,435	59,678	73,051
51,000	0,206	0,565	0,462	0,251	0,352	92,549	19,317	11,616	-15,539	19,423	19,977	20,245	20,046	19,874	78,317	59,698	73,074
51,167	0,207	0,569	0,462	0,252	0,349	92,526	19,355	9,732	-15,299	17,614	19,981	20,233	20,050	19,878	78,327	59,715	73,098
51,333	0,204	0,559	0,462	0,255	0,346	92,492	19,342	10,490	-14,104	16,611	19,973	20,232	20,059	19,870	78,373	59,726	73,089
51,500	0,207	0,551	0,462	0,253	0,353	92,507	19,330	18,169	-13,589	19,301	19,967	20,219	20,040	19,868	78,359	59,730	73,056
51,667	0,207	0,555	0,462	0,252	0,355	92,530	19,346	19,019	-13,647	20,112	19,982	20,244	20,066	19,881	78,328	59,724	73,048
51,833	0,207	0,561	0,461	0,252	0,349	92,452	19,273	19,657	-15,568	25,705	19,984	20,246	20,056	19,880	78,446	59,717	73,062
52,000	0,204	0,580	0,461	0,256	0,353	92,497	19,260	15,641	-14,798	19,205	19,969	20,241	20,042	19,873	78,441	59,718	73,055
52,167	0,204	0,607	0,461	0,261	0,349	92,543	19,294	15,699	-14,170	15,803	19,971	20,232	20,046	19,872	78,545	59,717	73,066
52,333	0,203	0,614	0,461	0,249	0,352	92,502	19,309	13,552	-12,932	13,131	19,968	20,234	20,058	19,872	78,491	59,714	73,108
52,500	0,206	0,583	0,461	0,251	0,345	92,526	19,286	21,721	-12,416	17,964	19,963	20,230	20,044	19,866	78,505	59,718	73,155
52,667	0,205	0,577	0,461	0,249	0,345	92,576	19,278	20,942	-13,608	22,643	19,964	20,240	20,058	19,872	78,571	59,740	73,171
52,833	0,204	0,585	0,461	0,253	0,347	92,564	19,253	14,170	-13,491	12,631	19,985	20,242	20,062	19,873	78,525	59,760	73,198
53,000	0,207	0,586	0,461	0,256	0,348	92,588	19,289	23,783	-13,599	24,786	19,993	20,252	20,060	19,882	78,559	59,776	73,229
53,167	0,205	0,582	0,461	0,254	0,348	92,559	19,262	19,874	-14,140	21,786	19,976	20,243	20,055	19,869	78,540	59,788	73,214
53,333	0,204	0,592	0,461	0,259	0,353	92,670	19,219	14,867	-14,294	14,430	19,982	20,246	20,053	19,869	78,676	59,797	73,225

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
47,500	55,180	0,779	0,789	16158,726	16517,869	50,473	9,048	499,561	10,292	13,976	4,826	2017-09-18 10:21
47,667	55,172	0,779	0,789	16133,368	16535,283	70,621	9,194	499,467	10,223	14,173	4,860	2017-09-18 10:21
47,834	55,163	0,779	0,789	16110,419	16598,067	60,337	9,168	499,561	10,229	14,042	4,838	2017-09-18 10:21
48,000	55,161	0,780	0,790	16108,644	16544,641	76,674	9,195	499,467	10,093	14,278	4,878	2017-09-18 10:22
48,167	55,161	0,779	0,789	16100,403	16549,887	59,308	9,049	496,745	10,232	14,028	4,835	2017-09-18 10:22
48,334	55,155	0,780	0,790	16109,791	16534,128	58,471	9,188	499,139	10,000	13,966	4,825	2017-09-18 10:22
48,500	55,158	0,779	0,789	16092,415	16584,220	39,000	9,664	499,232	10,059	13,939	4,820	2017-09-18 10:22
48,667	55,157	0,779	0,789	16086,467	16585,939	34,539	10,252	499,139	9,987	14,054	4,840	2017-09-18 10:22
48,834	55,158	0,779	0,789	16109,221	16606,461	32,687	10,301	499,138	10,187	14,073	4,843	2017-09-18 10:22
49,000	55,157	0,780	0,790	16131,751	16705,196	48,979	9,406	499,139	10,201	14,012	4,833	2017-09-18 10:23
49,167	55,155	0,780	0,790	16167,818	16645,860	56,109	8,640	499,139	10,181	14,060	4,841	2017-09-18 10:23
49,334	55,149	0,780	0,789	16186,497	16627,085	65,163	8,622	499,139	10,205	14,197	4,864	2017-09-18 10:23
49,500	55,143	0,780	0,789	16172,628	16657,593	50,553	8,849	499,139	10,468	14,149	4,856	2017-09-18 10:23
49,667	55,139	0,779	0,790	16166,964	16613,729	65,333	8,870	499,139	10,007	14,016	4,833	2017-09-18 10:23
49,834	55,135	0,780	0,789	16165,482	16714,804	38,128	9,335	499,138	10,184	14,017	4,833	2017-09-18 10:23
50,000	55,133	0,779	0,789	16178,942	16713,120	42,767	9,619	499,139	10,005	14,097	4,847	2017-09-18 10:24
50,167	55,129	0,780	0,790	16191,739	16689,542	39,782	9,807	499,045	10,229	14,181	4,862	2017-09-18 10:24
50,333	55,154	0,779	0,788	16171,919	16757,318	36,652	9,721	499,045	10,381	13,970	4,825	2017-09-18 10:24
50,500	55,197	0,778	0,789	16144,785	16676,606	50,914	9,359	499,045	10,251	14,164	4,859	2017-09-18 10:24
50,667	55,217	0,780	0,790	16154,317	16821,026	57,609	8,798	499,045	10,579	14,178	4,861	2017-09-18 10:24
50,833	55,228	0,780	0,791	16147,255	16746,013	53,232	9,010	499,045	9,956	14,173	4,860	2017-09-18 10:24
51,000	55,228	0,780	0,790	16146,543	16615,331	43,990	9,121	499,045	10,038	14,074	4,843	2017-09-18 10:25
51,167	55,224	0,780	0,790	16180,923	16606,409	49,851	9,215	499,045	10,092	13,969	4,825	2017-09-18 10:25
51,333	55,221	0,780	0,791	16191,531	16642,987	35,811	8,985	499,045	10,206	13,829	4,801	2017-09-18 10:25
51,500	55,220	0,780	0,789	16132,834	16623,682	48,843	8,776	499,045	10,118	14,104	4,848	2017-09-18 10:25
51,667	55,218	0,780	0,790	16131,557	16600,332	52,988	8,864	499,045	10,074	14,205	4,866	2017-09-18 10:25
51,833	55,218	0,780	0,789	16142,504	16717,890	49,455	9,032	498,951	10,069	13,943	4,821	2017-09-18 10:25
52,000	55,210	0,780	0,789	16142,738	16700,152	33,094	9,507	498,951	10,240	14,124	4,852	2017-09-18 10:26
52,167	55,222	0,779	0,789	16134,798	16788,469	31,193	10,173	498,951	10,436	13,972	4,826	2017-09-18 10:26
52,333	55,245	0,779	0,790	16163,850	16739,066	27,020	10,350	498,951	9,973	14,092	4,846	2017-09-18 10:26
52,500	55,269	0,779	0,789	16176,611	16747,115	46,734	9,571	498,951	10,055	13,787	4,794	2017-09-18 10:26
52,667	55,284	0,779	0,789	16163,667	16776,118	41,099	9,420	498,951	9,967	13,811	4,798	2017-09-18 10:26
52,833	55,293	0,779	0,789	16185,049	16716,102	35,609	9,614	498,951	10,116	13,865	4,807	2017-09-18 10:26
53,000	55,295	0,778	0,789	16212,903	16712,715	51,057	9,649	498,857	10,228	13,916	4,816	2017-09-18 10:27
53,167	55,289	0,778	0,789	16208,564	16690,660	42,179	9,558	498,857	10,165	13,929	4,818	2017-09-18 10:27
53,333	55,292	0,778	0,789	16218,149	16812,704	33,948	9,810	498,857	10,353	14,124	4,852	2017-09-18 10:27

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
53,500	0,205	0,602	0,461	0,251	0,352	92,697	19,277	22,244	-13,817	26,268	19,973	20,242	20,041	19,869	78,589	59,800	73,239
53,667	0,205	0,614	0,461	0,245	0,353	92,690	19,287	20,728	-13,740	17,432	19,976	20,241	20,057	19,874	78,656	59,804	73,260
53,833	0,209	0,605	0,461	0,254	0,351	92,644	19,306	18,469	-15,703	24,333	19,998	20,245	20,070	19,880	78,674	59,811	73,266
54,000	0,204	0,584	0,461	0,255	0,354	92,590	19,300	18,611	-13,538	12,604	19,982	20,246	20,069	19,877	78,676	59,811	73,271
54,167	0,205	0,583	0,461	0,249	0,350	92,617	19,271	19,074	-15,213	22,016	19,978	20,232	20,067	19,873	78,721	59,811	73,294
54,334	0,207	0,568	0,463	0,254	0,355	92,557	19,226	4,818	-12,653	15,972	19,972	20,244	20,067	19,876	78,715	59,812	73,328
54,500	0,208	0,555	0,448	0,254	0,345	92,501	19,188	10,124	-12,757	12,864	19,962	20,220	20,054	19,862	78,664	59,822	73,355
54,667	0,210	0,546	0,461	0,261	0,349	92,435	19,214	12,058	-13,656	16,896	20,001	20,255	20,087	19,884	78,528	59,843	73,356
54,834	0,208	0,543	0,460	0,253	0,349	92,442	19,197	21,622	-12,880	18,883	20,006	20,259	20,079	19,888	78,628	59,855	73,337
55,000	0,208	0,544	0,460	0,253	0,346	92,412	19,235	22,986	-14,804	25,775	19,978	20,250	20,078	19,874	78,528	59,865	73,287
55,167	0,210	0,548	0,460	0,255	0,354	92,373	19,214	12,925	-16,312	14,759	19,973	20,241	20,068	19,870	78,517	59,858	73,272
55,334	0,208	0,557	0,460	0,253	0,347	92,395	19,220	14,678	-13,188	14,765	19,986	20,247	20,059	19,870	78,467	59,858	73,253
55,500	0,207	0,561	0,460	0,253	0,347	92,525	19,166	19,554	-13,246	16,145	19,981	20,257	20,080	19,874	78,398	59,866	73,247
55,667	0,206	0,572	0,460	0,254	0,353	92,540	19,189	19,552	-14,726	29,396	19,972	20,228	20,055	19,865	78,514	59,865	73,222
55,834	0,207	0,573	0,460	0,255	0,348	92,498	19,256	18,661	-10,892	14,048	19,976	20,250	20,074	19,876	78,512	59,853	73,191
56,000	0,208	0,574	0,460	0,250	0,350	92,412	19,330	19,497	-14,649	26,485	19,987	20,254	20,063	19,868	78,390	59,850	73,195
56,167	0,206	0,581	0,460	0,249	0,347	92,372	19,313	16,243	-13,996	12,712	19,976	20,226	20,063	19,862	78,490	59,849	73,187
56,334	0,207	0,577	0,460	0,247	0,350	92,336	19,282	24,507	-11,813	20,259	19,981	20,249	20,068	19,866	78,421	59,853	73,174
56,500	0,207	0,564	0,460	0,260	0,350	92,289	19,245	25,220	-12,260	25,631	19,984	20,258	20,076	19,870	78,290	59,863	73,182
56,667	0,207	0,571	0,459	0,256	0,345	92,247	19,244	21,437	-14,956	27,375	19,991	20,254	20,066	19,873	78,304	59,875	73,179
56,834	0,206	0,586	0,459	0,250	0,354	92,253	19,291	19,244	-13,553	14,165	19,977	20,249	20,066	19,865	78,402	59,882	73,145
57,000	0,205	0,599	0,459	0,254	0,355	92,336	19,273	24,045	-13,585	22,441	19,985	20,240	20,081	19,869	78,502	59,883	73,160
57,167	0,205	0,588	0,459	0,256	0,349	92,320	19,387	16,427	-12,998	15,832	19,981	20,253	20,076	19,876	78,579	59,885	73,181
57,333	0,205	0,579	0,459	0,245	0,347	92,326	19,341	21,053	-13,193	18,799	19,965	20,240	20,063	19,869	78,471	59,889	73,181
57,500	0,206	0,562	0,459	0,259	0,352	92,350	19,266	23,961	-13,235	19,269	19,976	20,246	20,079	19,860	78,435	59,886	73,194
57,667	0,208	0,560	0,459	0,258	0,345	92,410	19,303	21,693	-15,559	27,877	19,976	20,225	20,070	19,861	78,451	59,885	73,209
57,833	0,208	0,568	0,459	0,256	0,349	92,406	19,351	12,366	-16,487	17,229	19,970	20,229	20,070	19,862	78,448	59,892	73,202
58,000	0,205	0,590	0,459	0,248	0,346	92,392	19,279	20,562	-13,805	14,258	19,981	20,242	20,083	19,866	78,564	59,893	73,172
58,167	0,206	0,624	0,450	0,247	0,350	92,367	19,260	23,629	-13,978	21,155	19,978	20,241	20,079	19,865	78,641	59,896	73,182
58,333	0,204	0,623	0,445	0,263	0,350	92,415	19,303	23,461	-12,914	24,790	19,983	20,238	20,080	19,866	78,598	59,896	73,232
58,500	0,206	0,591	0,453	0,245	0,347	92,397	19,362	20,626	-16,167	25,032	19,974	20,247	20,092	19,873	78,653	59,913	73,307
58,667	0,205	0,585	0,457	0,253	0,348	92,383	19,314	33,779	-130,605	41,100	19,976	20,259	20,079	19,866	78,575	59,932	73,321
58,833	0,205	0,585	0,456	0,250	0,353	92,360	19,295	72,596	-22,913	34,041	19,993	20,250	20,087	19,872	78,674	59,952	73,318
59,000	0,206	0,577	0,498	0,258	0,354	92,332	19,344	24,420	-23,337	79,965	19,978	20,237	20,066	19,861	78,645	59,956	73,306
59,167	0,207	0,554	0,498	0,255	0,352	92,295	19,285	40,778	-24,383	28,457	20,005	20,251	20,093	19,880	78,597	59,957	73,328
59,333	0,207	0,554	0,498	0,257	0,353	92,275	19,442	27,506	-20,379	20,956	19,981	20,238	20,075	19,860	78,540	59,955	73,328

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
53,500	55,291	0,778	0,789	16221,241	16726,755	38,535	10,056	498,857	10,048	14,086	4,845	2017-09-18 10:27
53,667	55,291	0,778	0,789	16243,714	16787,630	37,701	10,359	498,858	9,788	14,119	4,851	2017-09-18 10:27
53,833	55,292	0,778	0,789	16240,591	16792,878	61,633	10,116	498,858	10,157	14,039	4,837	2017-09-18 10:27
54,000	55,296	0,778	0,788	16230,175	16784,584	32,743	9,601	498,857	10,202	14,170	4,860	2017-09-18 10:28
54,167	55,309	0,778	0,789	16258,476	16828,375	36,877	9,564	498,858	9,959	13,997	4,830	2017-09-18 10:28
54,334	55,330	0,779	0,789	16278,519	16837,327	49,656	9,193	499,326	10,146	14,187	4,863	2017-09-18 10:28
54,500	55,340	0,779	0,790	16305,854	16782,787	58,687	8,871	496,558	10,157	13,818	4,799	2017-09-18 10:28
54,667	55,354	0,779	0,789	16280,580	16655,184	72,480	8,650	498,857	10,434	13,940	4,820	2017-09-18 10:28
54,834	55,356	0,778	0,790	16269,130	16716,459	59,322	8,565	498,764	10,119	13,951	4,822	2017-09-18 10:28
55,000	55,359	0,778	0,789	16205,612	16605,416	57,015	8,611	498,764	10,128	13,844	4,803	2017-09-18 10:29
55,167	55,359	0,779	0,789	16192,159	16617,694	69,600	8,707	498,764	10,195	14,147	4,856	2017-09-18 10:29
55,334	55,363	0,780	0,790	16193,624	16595,945	57,863	8,913	498,764	10,106	13,887	4,811	2017-09-18 10:29
55,500	55,364	0,779	0,789	16161,477	16521,622	54,284	9,019	498,764	10,136	13,898	4,813	2017-09-18 10:29
55,667	55,368	0,778	0,789	16145,137	16601,670	42,944	9,295	498,764	10,146	14,118	4,851	2017-09-18 10:29
55,834	55,371	0,778	0,789	16110,403	16596,556	51,769	9,325	498,764	10,209	13,905	4,814	2017-09-18 10:29
56,000	55,379	0,778	0,789	16104,200	16493,462	56,810	9,342	498,764	10,012	13,996	4,830	2017-09-18 10:30
56,167	55,395	0,778	0,789	16088,949	16598,461	44,028	9,536	498,764	9,945	13,868	4,808	2017-09-18 10:30
56,334	55,409	0,779	0,789	16053,959	16542,363	49,670	9,435	498,764	9,886	13,985	4,828	2017-09-18 10:30
56,500	55,419	0,779	0,790	16082,562	16429,357	52,384	9,090	498,680	10,383	14,015	4,833	2017-09-18 10:30
56,667	55,427	0,779	0,790	16067,339	16427,551	49,035	9,272	498,624	10,222	13,795	4,795	2017-09-18 10:30
56,834	55,426	0,777	0,788	16006,072	16470,055	47,568	9,652	498,624	9,985	14,158	4,858	2017-09-18 10:30
57,000	55,417	0,778	0,789	16032,199	16570,006	36,641	9,981	498,624	10,180	14,195	4,864	2017-09-18 10:31
57,167	55,413	0,778	0,789	16058,986	16639,627	40,425	9,698	498,624	10,227	13,974	4,826	2017-09-18 10:31
57,333	55,414	0,779	0,789	16069,274	16555,596	36,238	9,464	498,624	9,812	13,891	4,812	2017-09-18 10:31
57,500	55,411	0,778	0,789	16081,698	16511,398	42,725	9,046	498,624	10,371	14,067	4,842	2017-09-18 10:31
57,667	55,417	0,778	0,789	16088,657	16528,013	60,761	8,999	498,530	10,314	13,813	4,798	2017-09-18 10:31
57,833	55,426	0,777	0,789	16070,484	16497,565	56,838	9,204	498,624	10,245	13,975	4,826	2017-09-18 10:31
58,000	55,435	0,778	0,788	16010,444	16611,199	41,471	9,754	498,530	9,930	13,826	4,800	2017-09-18 10:32
58,167	55,446	0,777	0,789	16024,582	16670,661	48,166	10,591	496,831	9,895	13,995	4,830	2017-09-18 10:32
58,333	55,457	0,779	0,789	16071,855	16656,418	30,491	10,569	495,855	10,506	14,011	4,832	2017-09-18 10:32
58,500	55,461	0,779	0,789	16127,337	16691,037	42,732	9,787	497,524	9,815	13,875	4,809	2017-09-18 10:32
58,667	55,465	0,778	0,789	16134,926	16591,471	41,304	9,633	498,155	10,104	13,904	4,814	2017-09-18 10:32
58,833	55,461	0,778	0,789	16142,261	16663,457	41,533	9,624	498,062	9,999	14,118	4,851	2017-09-18 10:32
59,000	55,457	0,779	0,789	16129,771	16650,459	42,947	9,429	505,839	10,330	14,155	4,857	2017-09-18 10:33
59,167	55,458	0,779	0,790	16170,315	16600,997	50,066	8,843	505,840	10,202	14,069	4,842	2017-09-18 10:33
59,333	55,458	0,780	0,790	16168,692	16572,268	50,723	8,861	505,839	10,284	14,119	4,851	2017-09-18 10:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
59,500	0,207	0,569	0,497	0,250	0,347	92,308	19,380	25,861	-20,535	27,032	19,977	20,247	20,073	19,858	78,629	59,961	73,299
59,667	0,206	0,604	0,497	0,265	0,354	92,359	19,408	23,827	-20,472	30,349	19,977	20,239	20,079	19,857	78,660	59,957	73,276
59,833	0,203	0,623	0,497	0,254	0,357	92,407	19,416	18,961	-18,793	19,670	19,982	20,239	20,085	19,860	78,676	59,949	73,283
60,000	0,204	0,622	0,497	0,259	0,351	92,368	19,428	18,546	-14,842	17,895	19,978	20,230	20,076	19,861	78,767	59,948	73,307
60,167	0,205	0,597	0,456	0,255	0,352	92,351	19,459	10,290	-55,979	31,704	19,985	20,245	20,088	19,862	78,702	59,951	73,345
60,333	0,204	0,591	0,442	0,257	0,351	92,279	19,423	32,326	-22,821	24,494	19,982	20,234	20,089	19,865	78,779	59,947	73,391
60,500	0,205	0,593	0,442	0,249	0,356	92,211	19,470	179,202	-19,122	34,391	19,983	20,254	20,102	19,865	78,706	59,947	73,384
60,667	0,205	0,577	0,467	0,257	0,353	92,097	19,449	192,408	-33,037	29,027	19,973	20,247	20,089	19,861	78,791	59,941	73,374
60,833	0,207	0,566	0,467	0,251	0,348	92,013	19,459	257,551	-25,207	136,465	19,981	20,228	20,079	19,860	78,814	59,927	73,359
61,000	0,208	0,557	0,472	0,254	0,353	91,935	19,492	34,640	-29,748	45,569	19,978	20,225	20,076	19,862	78,730	59,921	73,383
61,167	0,204	0,567	0,481	0,251	0,355	91,873	19,420	-35,924	-40,393	46,552	19,987	20,221	20,087	19,861	78,676	59,922	73,388
61,334	0,208	0,576	0,531	0,245	0,354	91,845	19,420	-8,839	-27,022	3,416	19,977	20,245	20,081	19,860	78,530	59,922	73,359
61,500	0,207	0,562	0,555	0,258	0,350	91,725	19,386	13,628	-30,179	45,957	19,985	20,238	20,089	19,860	78,607	59,921	73,337
61,667	0,207	0,570	0,563	0,250	0,348	91,612	19,420	9,812	-24,945	28,048	19,979	20,250	20,079	19,862	78,406	59,912	73,299
61,834	0,206	0,571	0,562	0,246	0,348	91,443	19,407	11,344	-22,065	24,715	19,985	20,245	20,080	19,861	78,259	59,909	73,302
62,000	0,208	0,568	0,563	0,250	0,346	91,335	19,391	9,691	-21,967	24,360	19,972	20,243	20,072	19,860	78,359	59,906	73,228
62,167	0,208	0,569	0,563	0,246	0,348	91,210	19,437	17,861	-21,073	22,906	19,982	20,229	20,083	19,862	78,328	59,897	73,185
62,334	0,207	0,579	0,562	0,244	0,349	91,076	19,429	8,216	-17,525	23,345	19,974	20,226	20,083	19,862	78,452	59,875	73,164
62,500	0,206	0,583	0,570	0,254	0,351	91,030	19,295	11,560	-16,877	20,696	19,979	20,229	20,101	19,861	78,325	59,859	73,133
62,667	0,206	0,584	0,562	0,250	0,347	90,963	19,287	12,190	-14,538	18,797	19,986	20,249	20,097	19,862	78,166	59,842	73,108
62,834	0,205	0,573	0,549	0,251	0,344	90,937	19,286	18,960	-14,084	31,095	19,983	20,237	20,083	19,861	78,010	59,835	73,060
63,000	0,210	0,559	0,562	0,257	0,344	90,885	19,352	16,653	-17,407	30,824	19,978	20,233	20,094	19,858	78,075	59,815	73,020
63,167	0,213	0,531	0,563	0,251	0,344	90,919	19,415	13,082	-16,307	21,687	19,979	20,245	20,097	19,860	78,041	59,806	72,973
63,334	0,214	0,522	0,562	0,252	0,347	90,962	19,299	18,124	-16,372	31,902	19,969	20,235	20,098	19,861	77,794	59,795	72,940
63,500	0,213	0,529	0,562	0,246	0,348	91,038	19,385	14,574	-15,009	22,993	19,985	20,245	20,095	19,866	78,044	59,788	72,933
63,667	0,209	0,548	0,562	0,253	0,349	91,025	19,406	13,855	-14,779	18,943	19,989	20,241	20,097	19,861	77,878	59,779	72,871
63,833	0,210	0,568	0,565	0,251	0,353	91,049	19,385	21,349	-13,653	25,293	19,974	20,235	20,085	19,862	78,027	59,772	72,852
64,000	0,210	0,581	0,564	0,248	0,348	91,023	19,369	23,627	-40,895	35,114	19,991	20,254	20,076	19,864	78,039	59,767	72,821
64,167	0,206	0,580	0,565	0,245	0,353	91,026	19,402	23,049	-16,879	33,218	19,977	20,275	20,100	19,860	77,886	59,749	72,835
64,333	0,210	0,569	0,564	0,250	0,351	91,037	19,392	74,029	-16,926	27,715	19,977	20,273	20,089	19,864	77,892	59,740	72,850
64,500	0,209	0,554	0,564	0,249	0,351	90,975	19,290	195,730	-14,343	34,819	19,985	20,250	20,104	19,861	77,937	59,748	72,821
64,667	0,213	0,549	0,564	0,248	0,352	91,000	19,248	38,503	-8,162	20,706	19,982	20,235	20,096	19,861	77,797	59,738	72,821
64,833	0,211	0,534	0,566	0,246	0,353	90,957	19,108	3,516	-9999,000	20,692	19,977	20,246	20,092	19,858	77,709	59,736	72,786
65,000	0,213	0,527	0,565	0,257	0,346	90,870	19,253	18,021	20,387	20,686	19,986	20,235	20,100	19,861	77,661	59,728	72,750
65,167	0,217	0,528	0,564	0,245	0,348	90,823	19,199	28,084	20,409	20,768	19,965	20,252	20,087	19,860	77,716	59,720	72,690
65,333	0,212	0,561	0,564	0,252	0,350	90,714	19,287	24,911	20,520	20,784	19,999	20,254	19,961	19,862	77,696	59,706	72,654

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
59,500	55,454	0,780	0,789	16141,520	16645,746	50,508	9,223	505,759	9,980	13,896	4,812	2017-09-18 10:33
59,667	55,457	0,778	0,789	16117,336	16653,586	42,850	10,108	505,745	10,612	14,144	4,855	2017-09-18 10:33
59,833	55,454	0,778	0,788	16105,019	16676,229	26,485	10,570	505,745	10,152	14,295	4,881	2017-09-18 10:33
60,000	55,433	0,779	0,789	16154,575	16762,409	32,906	10,538	505,745	10,359	14,040	4,837	2017-09-18 10:34
60,167	55,411	0,778	0,789	16215,730	16677,956	38,351	9,924	497,971	10,194	14,071	4,843	2017-09-18 10:34
60,333	55,403	0,778	0,788	16240,004	16762,065	30,794	9,765	495,434	10,280	14,054	4,840	2017-09-18 10:34
60,500	55,398	0,777	0,788	16250,749	16681,525	36,436	9,822	495,340	9,948	14,245	4,873	2017-09-18 10:34
60,667	55,388	0,778	0,789	16250,478	16779,082	36,658	9,433	499,992	10,287	14,119	4,851	2017-09-18 10:34
60,833	55,387	0,778	0,789	16243,461	16807,437	53,829	9,148	500,030	10,041	13,908	4,815	2017-09-18 10:34
61,000	55,390	0,778	0,789	16258,142	16737,828	60,115	8,926	500,964	10,164	14,124	4,852	2017-09-18 10:35
61,167	55,390	0,779	0,790	16286,381	16703,389	34,640	9,187	502,651	10,036	14,184	4,862	2017-09-18 10:35
61,334	55,386	0,779	0,789	16247,279	16571,753	56,619	9,396	512,025	9,792	14,140	4,855	2017-09-18 10:35
61,500	55,391	0,778	0,789	16222,818	16625,661	51,960	9,053	516,470	10,314	14,014	4,833	2017-09-18 10:35
61,667	55,390	0,778	0,789	16191,433	16456,656	48,812	9,257	518,035	9,994	13,937	4,820	2017-09-18 10:35
61,834	55,380	0,778	0,789	16198,240	16338,108	45,286	9,273	517,932	9,858	13,939	4,820	2017-09-18 10:35
62,000	55,368	0,779	0,790	16161,620	16439,014	58,680	9,188	518,027	10,012	13,858	4,806	2017-09-18 10:36
62,167	55,359	0,779	0,790	16134,549	16414,235	57,519	9,214	518,027	9,827	13,923	4,817	2017-09-18 10:36
62,334	55,354	0,779	0,789	16100,545	16560,026	52,175	9,484	517,932	9,777	13,957	4,823	2017-09-18 10:36
62,500	55,350	0,779	0,789	16084,126	16455,130	43,993	9,583	519,429	10,166	14,032	4,836	2017-09-18 10:36
62,667	55,344	0,778	0,789	16051,359	16314,164	46,710	9,592	517,933	9,990	13,876	4,809	2017-09-18 10:36
62,834	55,344	0,778	0,788	16006,050	16163,965	41,731	9,323	515,449	10,053	13,749	4,787	2017-09-18 10:36
63,000	55,344	0,778	0,789	15972,271	16249,117	68,936	8,968	517,840	10,275	13,776	4,792	2017-09-18 10:37
63,167	55,344	0,778	0,789	15927,928	16220,707	86,788	8,286	518,027	10,032	13,780	4,792	2017-09-18 10:37
63,334	55,344	0,778	0,789	15898,938	16017,189	95,589	8,040	517,840	10,099	13,863	4,807	2017-09-18 10:37
63,500	55,340	0,779	0,789	15898,712	16259,486	89,786	8,213	517,840	9,843	13,916	4,816	2017-09-18 10:37
63,667	55,339	0,778	0,789	15848,788	16104,560	62,404	8,695	517,840	10,124	13,977	4,827	2017-09-18 10:37
63,833	55,335	0,779	0,789	15840,693	16267,641	71,667	9,196	518,444	10,052	14,111	4,850	2017-09-18 10:37
64,000	55,332	0,778	0,789	15810,939	16266,138	72,772	9,522	518,258	9,937	13,933	4,819	2017-09-18 10:38
64,167	55,328	0,778	0,789	15819,550	16133,532	46,707	9,504	518,351	9,798	14,126	4,852	2017-09-18 10:38
64,333	55,325	0,777	0,789	15846,500	16137,351	71,017	9,218	518,258	10,014	14,036	4,837	2017-09-18 10:38
64,500	55,323	0,778	0,789	15810,653	16186,474	66,869	8,855	518,258	9,956	14,043	4,838	2017-09-18 10:38
64,667	55,322	0,778	0,789	15826,039	16072,810	92,045	8,714	518,258	9,906	14,093	4,847	2017-09-18 10:38
64,833	55,322	0,778	0,789	15792,695	15995,495	79,408	8,362	518,538	9,844	14,111	4,850	2017-09-18 10:38
65,000	55,317	0,778	0,789	15755,806	15960,732	89,991	8,168	518,351	10,273	13,852	4,805	2017-09-18 10:39
65,167	55,315	0,778	0,789	15714,819	16025,238	111,964	8,199	518,258	9,820	13,931	4,818	2017-09-18 10:39
65,333	55,313	0,779	0,789	15680,235	16038,056	84,050	9,033	518,258	10,074	13,988	4,828	2017-09-18 10:39

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
65,500	0,211	0,560	0,564	0,249	0,352	90,687	19,342	18,619	20,554	20,785	19,964	20,255	19,936	19,861	77,870	59,707	72,643
65,667	0,206	0,573	0,568	0,254	0,355	90,670	19,409	21,075	20,596	20,800	19,966	20,239	19,936	19,864	77,690	59,698	72,658
65,833	0,208	0,585	0,574	0,251	0,357	90,705	19,426	21,045	20,626	20,794	19,991	20,250	19,938	19,866	77,754	59,691	72,678
66,000	0,204	0,598	0,561	0,253	0,353	90,623	19,410	12,113	20,655	20,834	19,982	20,254	19,938	19,864	77,805	59,691	72,636
66,167	0,206	0,601	0,561	0,256	0,347	90,598	19,365	7,542	20,679	20,824	19,990	20,258	19,947	19,861	77,884	59,683	72,640
66,333	0,208	0,585	0,565	0,256	0,354	90,541	19,295	12,136	20,692	20,827	19,970	20,249	19,927	19,860	77,783	59,681	72,672
66,500	0,208	0,577	0,561	0,253	0,351	90,510	19,250	13,997	20,704	20,846	19,979	20,258	19,931	19,861	77,767	59,682	72,663
66,667	0,209	0,573	0,584	0,251	0,351	90,498	19,322	9,118	20,739	20,862	19,986	20,250	19,948	19,862	77,681	59,682	72,673
66,833	0,208	0,586	0,602	0,247	0,354	90,467	19,317	10,307	20,743	20,854	19,976	20,255	19,932	19,861	77,619	59,674	72,632
67,000	0,207	0,581	0,602	0,251	0,350	90,456	19,361	16,967	20,753	20,861	19,993	20,256	19,931	19,862	77,576	59,667	72,595
67,167	0,207	0,590	0,602	0,251	0,352	90,399	19,335	18,829	20,780	20,875	19,974	20,246	19,927	19,860	77,852	59,658	72,565
67,333	0,206	0,582	0,602	0,253	0,351	90,437	19,325	22,515	20,788	20,882	19,981	20,251	19,951	19,861	77,700	59,651	72,558
67,500	0,208	0,582	0,602	0,247	0,347	90,447	19,279	17,012	20,805	20,880	19,961	20,255	19,934	19,861	77,759	59,644	72,584
67,667	0,205	0,604	0,602	0,245	0,351	90,456	19,308	17,736	20,806	20,880	19,979	20,241	19,943	19,861	77,852	59,638	72,601
67,834	0,206	0,615	0,602	0,251	0,354	90,432	19,312	19,755	20,822	20,886	19,976	20,247	19,943	19,860	77,817	59,646	72,585
68,000	0,208	0,602	0,602	0,248	0,350	90,426	19,329	13,788	20,839	20,908	19,979	20,247	19,938	19,861	77,944	59,639	72,611
68,167	0,206	0,582	0,602	0,244	0,350	90,414	19,312	16,795	20,845	20,908	19,978	20,243	19,951	19,861	77,888	59,639	72,640
68,334	0,206	0,572	0,602	0,254	0,349	90,383	19,365	8,686	20,853	20,914	19,991	20,252	19,956	19,862	78,035	59,643	72,703
68,500	0,207	0,583	0,602	0,258	0,353	90,465	19,335	14,793	20,870	20,924	19,970	20,241	19,938	19,862	78,018	59,652	72,727
68,667	0,204	0,604	0,602	0,248	0,351	90,433	19,325	24,303	20,865	20,925	19,977	20,229	19,959	19,862	78,098	59,660	72,735
68,834	0,205	0,612	0,601	0,247	0,351	90,518	19,363	18,495	20,887	20,937	19,970	20,239	19,947	19,862	77,995	59,659	72,771
69,000	0,207	0,604	0,601	0,247	0,350	90,515	19,340	17,220	20,886	20,933	19,969	20,255	19,959	19,861	78,099	59,662	72,809
69,167	0,204	0,599	0,602	0,241	0,351	90,537	19,326	12,055	20,897	20,947	19,972	20,242	19,946	19,862	78,103	59,663	72,829
69,334	0,208	0,601	0,601	0,246	0,354	90,596	19,371	18,725	20,912	20,950	19,960	20,258	19,965	19,862	78,093	59,662	72,848
69,500	0,210	0,574	0,601	0,251	0,351	90,694	19,385	14,646	20,937	20,951	19,963	20,232	19,953	19,864	78,064	59,668	72,852
69,667	0,208	0,573	0,601	0,248	0,350	90,716	19,411	13,013	20,920	20,959	19,991	20,245	19,959	19,862	78,124	59,672	72,834
69,834	0,208	0,582	0,601	0,251	0,355	90,857	19,361	14,506	20,957	20,954	19,965	20,242	19,960	19,861	78,147	59,666	72,821
70,000	0,207	0,580	0,601	0,252	0,351	90,909	19,365	10,019	20,958	20,972	19,970	20,249	19,952	19,864	78,243	59,666	72,840
70,167	0,208	0,590	0,601	0,247	0,350	90,964	19,361	8,994	20,975	20,969	19,956	20,241	19,964	19,865	78,249	59,666	72,861
70,334	0,205	0,602	0,601	0,253	0,352	90,972	19,356	14,500	20,984	20,969	19,980	20,254	19,959	19,866	78,258	59,668	72,884
70,500	0,203	0,606	0,601	0,253	0,351	91,072	19,368	14,757	20,986	20,981	19,977	20,245	19,955	19,866	78,235	59,667	72,906
70,667	0,210	0,600	0,601	0,248	0,351	91,075	19,351	15,058	20,997	20,988	19,980	20,238	19,964	19,866	78,292	59,672	72,928
70,833	0,206	0,602	0,601	0,254	0,355	91,195	19,335	9,890	20,997	20,990	19,961	20,255	19,980	19,865	78,352	59,671	72,944
71,000	0,206	0,597	0,601	0,248	0,355	91,240	19,339	12,624	21,014	20,994	19,989	20,250	19,976	19,869	78,417	59,670	72,962
71,167	0,209	0,577	0,601	0,247	0,354	91,167	19,313	15,064	21,001	21,003	19,964	20,254	19,968	19,868	78,362	59,664	72,996
71,333	0,214	0,555	0,601	0,251	0,352	91,219	19,334	12,152	21,027	21,016	19,981	20,250	19,982	19,866	78,354	59,667	73,031

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
65,500	55,312	0,779	0,789	15675,739	16177,060	74,405	8,998	518,258	9,976	14,093	4,847	2017-09-18 10:39
65,667	55,305	0,778	0,789	15678,740	16009,886	42,551	9,331	518,971	10,177	14,211	4,867	2017-09-18 10:39
65,833	55,300	0,778	0,788	15694,418	16081,359	60,566	9,626	520,130	10,041	14,261	4,875	2017-09-18 10:39
66,000	55,297	0,778	0,789	15668,064	16112,005	35,005	9,947	517,744	10,112	14,117	4,851	2017-09-18 10:40
66,167	55,292	0,779	0,789	15690,047	16216,864	43,166	10,022	517,744	10,228	13,898	4,813	2017-09-18 10:40
66,333	55,287	0,779	0,789	15724,608	16130,636	56,230	9,626	518,351	10,221	14,170	4,860	2017-09-18 10:40
66,500	55,283	0,779	0,790	15724,372	16106,978	55,942	9,415	517,651	10,123	14,055	4,840	2017-09-18 10:40
66,667	55,277	0,778	0,789	15720,261	16017,247	65,792	9,329	522,073	10,057	14,031	4,836	2017-09-18 10:40
66,833	55,275	0,778	0,788	15665,105	15969,506	56,723	9,656	525,428	9,874	14,174	4,860	2017-09-18 10:40
67,000	55,272	0,777	0,788	15644,319	15921,520	53,854	9,536	525,428	10,022	14,001	4,831	2017-09-18 10:41
67,167	55,272	0,779	0,789	15632,414	16212,220	52,585	9,739	525,336	10,037	14,073	4,843	2017-09-18 10:41
67,333	55,269	0,779	0,789	15636,524	16083,871	45,244	9,548	525,336	10,126	14,026	4,835	2017-09-18 10:41
67,500	55,261	0,779	0,789	15664,267	16134,821	60,344	9,543	525,336	9,890	13,889	4,811	2017-09-18 10:41
67,667	55,257	0,779	0,789	15675,364	16226,533	40,651	10,091	525,336	9,787	14,021	4,834	2017-09-18 10:41
67,834	55,255	0,778	0,789	15671,577	16175,063	47,971	10,373	525,336	10,059	14,173	4,860	2017-09-18 10:41
68,000	55,251	0,778	0,789	15692,541	16297,043	59,586	10,055	525,336	9,921	14,018	4,834	2017-09-18 10:42
68,167	55,245	0,778	0,788	15715,227	16240,945	46,835	9,539	525,336	9,749	14,017	4,833	2017-09-18 10:42
68,334	55,237	0,778	0,788	15766,421	16368,683	48,402	9,291	525,335	10,147	13,951	4,822	2017-09-18 10:42
68,500	55,233	0,778	0,788	15805,598	16339,063	54,434	9,584	525,336	10,305	14,139	4,854	2017-09-18 10:42
68,667	55,226	0,779	0,789	15820,294	16428,867	34,338	10,107	525,336	9,915	14,060	4,841	2017-09-18 10:42
68,834	55,220	0,779	0,789	15862,210	16332,439	38,542	10,303	525,240	9,880	14,025	4,835	2017-09-18 10:42
69,000	55,216	0,778	0,788	15893,433	16413,184	54,715	10,106	525,240	9,883	14,011	4,832	2017-09-18 10:43
69,167	55,216	0,778	0,788	15907,945	16407,739	34,741	9,978	525,336	9,658	14,026	4,835	2017-09-18 10:43
69,334	55,210	0,778	0,789	15937,835	16404,806	59,705	10,031	525,147	9,839	14,147	4,856	2017-09-18 10:43
69,500	55,204	0,778	0,789	15961,269	16382,415	71,664	9,362	525,240	10,026	14,047	4,839	2017-09-18 10:43
69,667	55,200	0,778	0,789	15934,174	16428,036	58,044	9,330	525,240	9,915	13,998	4,830	2017-09-18 10:43
69,834	55,194	0,779	0,789	15936,606	16463,339	59,917	9,550	525,240	10,025	14,204	4,865	2017-09-18 10:43
70,000	55,193	0,779	0,789	15953,690	16546,133	54,000	9,498	525,240	10,068	14,036	4,837	2017-09-18 10:44
70,167	55,186	0,779	0,789	15986,080	16551,305	59,826	9,739	525,241	9,887	14,011	4,832	2017-09-18 10:44
70,334	55,181	0,780	0,789	16008,866	16579,363	40,383	10,060	525,147	10,100	14,090	4,846	2017-09-18 10:44
70,500	55,176	0,779	0,789	16024,323	16545,605	27,448	10,156	525,147	10,104	14,027	4,835	2017-09-18 10:44
70,667	55,170	0,779	0,789	16049,070	16586,406	68,940	9,988	525,147	9,938	14,026	4,835	2017-09-18 10:44
70,833	55,166	0,778	0,788	16058,107	16618,903	44,212	10,059	525,147	10,163	14,184	4,862	2017-09-18 10:44
71,000	55,170	0,778	0,788	16074,464	16687,461	42,728	9,923	525,147	9,909	14,181	4,862	2017-09-18 10:45
71,167	55,169	0,777	0,788	16099,489	16629,367	65,222	9,419	525,147	9,894	14,141	4,855	2017-09-18 10:45
71,333	55,168	0,778	0,789	16142,741	16630,359	97,211	8,864	525,147	10,030	14,076	4,844	2017-09-18 10:45

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
71,500	0,215	0,531	0,601	0,253	0,355	91,214	19,337	12,005	21,032	21,003	19,978	20,242	19,976	19,868	78,292	59,679	73,033
71,667	0,218	0,558	0,601	0,251	0,350	91,159	19,337	6,909	21,045	21,002	19,982	20,234	19,973	19,868	78,321	59,687	73,013
71,833	0,210	0,577	0,601	0,253	0,350	91,218	19,331	10,784	21,046	21,015	19,961	20,237	19,994	19,868	78,317	59,691	72,994
72,000	0,212	0,570	0,600	0,257	0,353	91,171	19,338	10,018	21,057	21,031	19,982	20,243	19,968	19,868	78,307	59,682	73,016
72,167	0,216	0,573	0,600	0,251	0,351	91,169	19,312	13,329	21,058	21,018	19,972	20,243	19,976	19,868	78,351	59,678	73,004
72,333	0,212	0,576	0,600	0,251	0,351	91,149	19,307	17,596	21,066	21,027	19,969	20,249	19,989	19,868	78,301	59,679	72,985
72,500	0,214	0,583	0,600	0,255	0,350	91,139	19,308	14,909	21,068	21,024	19,968	20,238	19,978	19,865	78,203	59,677	72,985
72,667	0,216	0,569	0,600	0,247	0,354	91,058	19,302	12,314	21,087	21,037	19,987	20,238	19,985	19,870	78,231	59,671	72,989
72,833	0,212	0,567	0,600	0,251	0,350	91,152	19,290	15,324	21,092	21,049	19,986	20,250	19,990	19,869	78,168	59,670	73,012
73,000	0,217	0,567	0,600	0,249	0,356	91,138	19,325	22,940	21,099	21,054	19,982	20,251	20,002	19,866	78,222	59,664	72,997
73,167	0,212	0,559	0,600	0,248	0,348	91,057	19,271	17,314	21,096	21,067	19,977	20,247	19,987	19,869	78,235	59,668	72,955
73,333	0,218	0,546	0,600	0,256	0,351	91,023	19,305	9,186	21,097	21,063	19,985	20,249	19,997	19,870	78,218	59,667	72,960
73,500	0,217	0,539	0,600	0,251	0,351	90,987	19,354	6,388	21,093	21,046	19,986	20,237	19,989	19,868	78,038	59,658	72,944
73,667	0,213	0,532	0,600	0,249	0,355	90,886	19,349	12,516	21,125	21,054	19,995	20,237	20,001	19,870	78,003	59,656	72,909
73,833	0,217	0,531	0,600	0,254	0,350	90,884	19,334	12,286	21,123	21,055	19,985	20,249	20,020	19,869	78,019	59,647	72,836
74,000	0,219	0,540	0,600	0,256	0,349	90,862	19,407	16,678	21,131	21,063	19,972	20,236	19,990	19,868	77,903	59,639	72,775
74,167	0,214	0,563	0,600	0,257	0,355	90,892	19,388	14,759	21,132	21,079	19,974	20,260	20,004	19,869	77,853	59,617	72,744
74,333	0,216	0,578	0,600	0,250	0,355	90,906	19,315	13,484	21,134	21,070	19,976	20,259	20,006	19,872	77,975	59,604	72,720
74,500	0,211	0,570	0,600	0,252	0,354	90,891	19,350	12,413	21,147	21,082	19,971	20,241	20,024	19,870	77,821	59,593	72,692
74,667	0,214	0,562	0,600	0,254	0,353	90,865	19,390	17,749	21,163	21,072	19,978	20,250	20,002	19,870	78,026	59,592	72,696
74,834	0,213	0,579	0,600	0,254	0,353	90,923	19,373	13,647	21,152	21,096	19,977	20,247	20,020	19,869	77,709	59,621	72,689
75,000	0,206	0,595	0,600	0,244	0,350	90,970	19,302	19,914	21,169	21,088	19,980	20,237	20,023	19,872	77,883	59,638	72,708
75,167	0,209	0,598	0,600	0,251	0,349	90,971	19,330	18,244	21,173	21,087	19,984	20,250	20,015	19,872	77,992	59,652	72,666
75,334	0,212	0,604	0,600	0,251	0,349	90,985	19,320	13,936	21,190	21,101	19,991	20,247	20,033	19,874	77,998	59,660	72,688
75,500	0,212	0,606	0,600	0,246	0,352	90,954	19,198	14,355	21,180	21,089	19,971	20,246	20,031	19,870	78,035	59,670	72,715
75,667	0,213	0,584	0,600	0,251	0,354	90,968	19,277	15,336	21,185	21,083	19,995	20,247	20,016	19,870	77,995	59,672	72,734
75,834	0,212	0,566	0,599	0,247	0,354	90,942	19,273	9,347	21,203	21,096	20,003	20,242	20,033	19,873	77,969	59,672	72,766
76,000	0,210	0,580	0,599	0,245	0,351	90,974	19,309	15,035	21,189	21,117	19,973	20,234	20,045	19,874	77,946	59,687	72,750
76,167	0,208	0,587	0,599	0,250	0,353	90,998	19,313	10,734	21,206	21,106	19,986	20,246	20,046	19,874	77,955	59,689	72,746
76,334	0,207	0,589	0,599	0,253	0,349	91,084	19,309	8,665	21,223	21,106	19,986	20,241	20,035	19,872	78,038	59,687	72,753
76,500	0,209	0,610	0,599	0,253	0,353	91,068	19,335	19,647	21,219	21,118	19,980	20,241	20,045	19,872	78,108	59,694	72,747
76,667	0,207	0,631	0,599	0,249	0,347	91,110	19,319	18,601	21,219	21,118	19,985	20,244	20,050	19,873	78,054	59,707	72,782
76,834	0,205	0,640	0,599	0,250	0,352	91,199	19,315	13,197	21,228	21,130	19,991	20,253	20,028	19,873	78,312	59,720	72,801
77,000	0,207	0,624	0,599	0,246	0,350	91,259	19,316	16,036	21,233	21,131	19,997	20,254	20,041	19,876	78,313	59,745	72,874
77,167	0,208	0,600	0,599	0,248	0,351	91,296	19,326	22,946	21,240	21,135	19,995	20,240	20,041	19,874	78,405	59,767	72,974
77,333	0,206	0,606	0,599	0,242	0,352	91,294	19,309	18,656	21,234	21,144	19,989	20,234	20,048	19,874	78,427	59,795	73,025

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
71,500	55,166	0,779	0,789	16153,166	16580,366	102,691	8,280	525,147	10,133	14,186	4,862	2017-09-18 10:45
71,667	55,166	0,780	0,790	16157,651	16621,684	123,530	8,939	525,147	10,035	13,997	4,830	2017-09-18 10:45
71,833	55,163	0,779	0,790	16133,012	16606,859	73,137	9,414	525,147	10,138	13,991	4,829	2017-09-18 10:45
72,000	55,161	0,778	0,788	16125,103	16578,977	85,110	9,259	525,053	10,281	14,108	4,849	2017-09-18 10:46
72,167	55,157	0,778	0,789	16137,069	16612,983	105,880	9,335	525,053	10,043	14,027	4,835	2017-09-18 10:46
72,333	55,158	0,779	0,788	16107,522	16584,826	80,259	9,406	525,053	10,040	14,057	4,840	2017-09-18 10:46
72,500	55,151	0,778	0,788	16108,162	16499,057	95,481	9,587	525,053	10,198	13,996	4,830	2017-09-18 10:46
72,667	55,153	0,778	0,789	16122,141	16529,153	110,717	9,229	525,053	9,860	14,152	4,857	2017-09-18 10:46
72,833	55,153	0,778	0,789	16154,847	16468,941	84,227	9,174	525,053	10,023	14,002	4,831	2017-09-18 10:46
73,000	55,155	0,779	0,790	16143,754	16542,555	115,685	9,180	525,053	9,963	14,241	4,872	2017-09-18 10:47
73,167	55,154	0,779	0,790	16116,329	16555,285	85,270	8,971	525,053	9,928	13,910	4,815	2017-09-18 10:47
73,333	55,154	0,780	0,789	16104,242	16545,727	117,638	8,641	525,053	10,229	14,024	4,835	2017-09-18 10:47
73,500	55,149	0,779	0,789	16095,754	16388,723	113,163	8,474	525,053	10,043	14,032	4,836	2017-09-18 10:47
73,667	55,147	0,779	0,790	16074,437	16348,580	92,215	8,309	524,961	9,972	14,201	4,865	2017-09-18 10:47
73,833	55,146	0,778	0,789	15985,081	16358,109	111,940	8,269	525,053	10,159	13,987	4,828	2017-09-18 10:47
74,000	55,145	0,778	0,789	15939,279	16248,020	123,746	8,493	525,053	10,234	13,956	4,823	2017-09-18 10:48
74,167	55,149	0,778	0,788	15891,975	16228,971	94,932	9,073	524,961	10,290	14,181	4,862	2017-09-18 10:48
74,333	55,186	0,777	0,788	15835,858	16328,396	105,616	9,452	524,961	9,998	14,197	4,864	2017-09-18 10:48
74,500	55,224	0,777	0,788	15782,705	16205,175	76,910	9,254	524,961	10,069	14,166	4,859	2017-09-18 10:48
74,667	55,242	0,778	0,789	15771,487	16404,480	94,949	9,040	524,961	10,170	14,138	4,854	2017-09-18 10:48
74,834	55,257	0,777	0,789	15759,802	16080,429	91,788	9,474	524,961	10,156	14,106	4,849	2017-09-18 10:48
75,000	55,264	0,779	0,789	15776,792	16251,538	48,378	9,866	524,961	9,776	14,013	4,833	2017-09-18 10:49
75,167	55,268	0,778	0,789	15725,505	16321,777	65,844	9,956	524,960	10,027	13,946	4,821	2017-09-18 10:49
75,334	55,264	0,779	0,789	15745,904	16339,780	81,552	10,112	524,957	10,056	13,958	4,823	2017-09-18 10:49
75,500	55,265	0,778	0,789	15782,955	16342,910	83,647	10,141	524,960	9,848	14,086	4,845	2017-09-18 10:49
75,667	55,263	0,778	0,789	15799,040	16311,273	88,932	9,592	524,961	10,043	14,150	4,856	2017-09-18 10:49
75,834	55,263	0,778	0,789	15829,337	16288,095	82,813	9,149	524,817	9,881	14,179	4,861	2017-09-18 10:49
76,000	55,267	0,779	0,789	15809,722	16264,724	72,908	9,492	524,817	9,782	14,040	4,837	2017-09-18 10:50
76,167	55,283	0,779	0,789	15785,458	16278,843	58,360	9,686	524,817	9,984	14,130	4,853	2017-09-18 10:50
76,334	55,311	0,778	0,789	15760,599	16328,321	50,487	9,736	524,817	10,116	13,943	4,821	2017-09-18 10:50
76,500	55,330	0,778	0,789	15737,692	16389,066	67,056	10,256	524,817	10,101	14,128	4,853	2017-09-18 10:50
76,667	55,340	0,778	0,789	15768,178	16318,167	53,801	10,771	524,724	9,942	13,891	4,812	2017-09-18 10:50
76,834	55,348	0,779	0,789	15777,946	16561,836	37,715	11,011	524,817	10,007	14,093	4,847	2017-09-18 10:50
77,000	55,351	0,778	0,789	15841,833	16532,535	54,239	10,607	524,724	9,825	14,005	4,831	2017-09-18 10:51
77,167	55,352	0,779	0,789	15926,932	16599,947	56,807	10,005	524,724	9,911	14,050	4,839	2017-09-18 10:51
77,333	55,354	0,780	0,789	15982,640	16613,991	46,297	10,156	524,724	9,673	14,067	4,842	2017-09-18 10:51

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
77,500	0,205	0,614	0,599	0,247	0,348	91,321	19,307	16,444	21,241	21,139	19,982	20,245	20,049	19,873	78,447	59,814	73,046
77,667	0,206	0,618	0,599	0,251	0,351	91,334	19,333	19,569	21,260	21,127	19,999	20,246	20,049	19,874	78,405	59,822	73,091
77,833	0,208	0,587	0,599	0,248	0,351	91,387	19,363	8,769	21,271	21,142	19,990	20,238	20,059	19,877	78,471	59,832	73,102
78,000	0,209	0,559	0,598	0,253	0,347	91,404	19,313	14,014	21,284	21,142	19,994	20,257	20,056	19,878	78,404	59,834	73,118
78,167	0,213	0,552	0,599	0,253	0,350	91,429	19,283	15,171	21,283	21,142	19,975	20,251	20,061	19,876	78,396	59,835	73,128
78,333	0,210	0,568	0,599	0,247	0,352	91,480	19,279	20,481	21,291	21,150	19,980	20,241	20,058	19,877	78,402	59,843	73,125
78,500	0,209	0,586	0,599	0,250	0,356	91,492	19,260	20,922	21,279	21,152	19,995	20,264	20,071	19,876	78,340	59,849	73,118
78,667	0,210	0,590	0,598	0,249	0,353	91,530	19,290	17,302	21,285	21,147	19,995	20,255	20,066	19,876	78,437	59,858	73,101
78,833	0,213	0,564	0,598	0,258	0,355	91,500	19,285	15,559	21,298	21,148	19,994	20,250	20,086	19,877	78,456	59,863	73,077
79,000	0,215	0,557	0,598	0,250	0,356	91,533	19,274	19,645	21,302	21,177	19,977	20,247	20,091	19,876	78,478	59,862	73,104
79,167	0,215	0,569	0,598	0,249	0,355	91,595	19,298	17,854	21,302	21,165	19,984	20,240	20,083	19,874	78,379	59,870	73,104
79,333	0,212	0,558	0,598	0,247	0,351	91,614	19,321	13,197	21,296	21,176	19,985	20,246	20,083	19,876	78,475	59,874	73,120
79,500	0,217	0,543	0,598	0,249	0,350	91,621	19,312	14,857	21,302	21,189	19,988	20,245	20,086	19,877	78,316	59,877	73,131
79,667	0,213	0,555	0,598	0,255	0,349	91,667	19,300	14,990	21,311	21,203	19,998	20,251	20,073	19,878	78,414	59,878	73,137
79,833	0,214	0,587	0,598	0,254	0,353	91,715	19,290	15,890	21,334	21,195	19,992	20,258	20,089	19,878	78,397	59,875	73,118
80,000	0,208	0,605	0,598	0,250	0,353	91,766	19,320	20,194	21,331	21,177	19,994	20,251	20,082	19,876	78,454	59,874	73,113
80,167	0,208	0,593	0,598	0,254	0,348	91,752	19,311	19,816	21,321	21,191	20,001	20,251	20,097	19,876	78,437	59,867	73,117
80,333	0,208	0,588	0,598	0,252	0,348	91,702	19,323	9,777	21,326	21,202	19,988	20,242	20,093	19,877	78,582	59,873	73,144
80,500	0,212	0,564	0,598	0,252	0,353	91,724	19,312	13,590	21,331	21,193	19,998	20,257	20,087	19,877	78,495	59,881	73,170
80,667	0,216	0,552	0,598	0,250	0,347	91,688	19,336	12,581	21,334	21,208	20,011	20,244	20,100	19,878	78,464	59,894	73,178
80,833	0,221	0,544	0,598	0,252	0,356	91,670	19,330	12,583	21,339	21,202	20,007	20,238	20,097	19,880	78,216	59,900	73,182
81,000	0,213	0,532	0,598	0,249	0,353	91,670	19,321	7,204	21,368	21,205	19,992	20,254	20,114	19,881	78,383	59,905	73,174
81,167	0,217	0,544	0,598	0,255	0,351	91,705	19,323	12,907	21,361	21,207	20,001	20,258	20,109	19,881	78,284	59,908	73,129
81,334	0,210	0,581	0,598	0,256	0,350	91,771	19,334	15,875	21,371	21,210	19,992	20,251	20,118	19,878	78,238	59,908	73,085
81,500	0,205	0,611	0,597	0,251	0,356	91,858	19,320	15,196	21,374	21,210	19,988	20,246	20,109	19,880	78,285	59,900	73,060
81,667	0,211	0,628	0,597	0,248	0,349	91,857	19,338	20,953	21,373	21,225	19,997	20,257	20,095	19,881	78,529	59,892	73,028
81,834	0,205	0,628	0,597	0,253	0,349	91,864	19,366	22,646	21,375	21,228	20,015	20,262	20,118	19,882	78,340	59,883	73,039
82,000	0,208	0,618	0,597	0,249	0,352	91,886	19,310	11,197	21,385	21,204	20,002	20,238	20,092	19,880	78,521	59,882	73,113
82,167	0,211	0,611	0,597	0,251	0,345	91,892	19,303	11,062	21,375	21,216	20,007	20,252	20,129	19,882	78,555	59,894	73,154
82,334	0,214	0,584	0,597	0,252	0,353	91,877	19,300	16,819	21,374	21,229	19,988	20,250	20,122	19,882	78,572	59,906	73,168
82,500	0,212	0,574	0,597	0,256	0,352	91,900	19,293	15,773	21,386	21,228	19,998	20,240	20,122	19,882	78,547	59,922	73,212
82,667	0,210	0,589	0,597	0,248	0,346	91,861	19,296	16,927	21,390	21,231	20,011	20,250	20,134	19,881	78,563	59,929	73,240
82,834	0,207	0,583	0,597	0,244	0,351	91,862	19,333	23,814	21,400	21,232	19,996	20,278	20,129	19,884	78,513	59,939	73,239
83,000	0,215	0,576	0,597	0,252	0,352	91,829	19,417	20,437	21,399	21,240	20,022	20,262	20,138	19,884	78,493	59,945	73,241
83,167	0,212	0,574	0,597	0,245	0,346	91,924	19,404	22,222	21,411	21,246	20,005	20,255	20,134	19,882	78,566	59,952	73,237
83,334	0,211	0,586	0,597	0,252	0,348	91,905	19,409	21,741	21,421	21,251	20,020	20,244	20,139	19,882	78,517	59,945	73,236

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
77,500	55,351	0,779	0,789	15995,452	16601,590	40,647	10,354	524,817	9,861	13,938	4,820	2017-09-18 10:51
77,667	55,346	0,778	0,789	16035,499	16545,155	48,187	10,455	524,724	10,046	14,045	4,838	2017-09-18 10:51
77,833	55,343	0,778	0,789	16050,589	16580,262	56,435	9,665	524,723	9,932	14,032	4,836	2017-09-18 10:51
78,000	55,348	0,778	0,788	16045,954	16525,215	62,533	8,987	524,630	10,129	13,896	4,812	2017-09-18 10:52
78,167	55,362	0,778	0,789	16053,822	16528,613	92,292	8,807	524,723	10,129	13,997	4,830	2017-09-18 10:52
78,333	55,378	0,779	0,789	16048,575	16531,688	73,161	9,198	524,724	9,879	14,062	4,841	2017-09-18 10:52
78,500	55,384	0,779	0,790	16051,367	16476,398	66,845	9,638	524,723	10,018	14,232	4,870	2017-09-18 10:52
78,667	55,388	0,779	0,790	16034,657	16564,175	72,525	9,740	524,630	9,948	14,133	4,853	2017-09-18 10:52
78,833	55,386	0,779	0,789	15985,458	16567,950	89,293	9,107	524,630	10,305	14,186	4,863	2017-09-18 10:52
79,000	55,383	0,779	0,789	16018,707	16593,692	98,598	8,914	524,631	9,990	14,225	4,869	2017-09-18 10:53
79,167	55,382	0,778	0,789	16012,573	16479,208	103,083	9,227	524,630	9,977	14,192	4,863	2017-09-18 10:53
79,333	55,378	0,779	0,789	16031,873	16567,238	81,309	8,950	524,631	9,879	14,049	4,839	2017-09-18 10:53
79,500	55,375	0,779	0,789	16044,394	16431,032	112,141	8,567	524,631	9,942	14,002	4,831	2017-09-18 10:53
79,667	55,374	0,778	0,789	16062,915	16496,326	90,780	8,867	524,537	10,209	13,955	4,823	2017-09-18 10:53
79,833	55,374	0,779	0,790	16056,034	16496,225	93,688	9,673	524,630	10,160	14,124	4,852	2017-09-18 10:53
80,000	55,382	0,778	0,789	16040,301	16541,738	56,560	10,131	524,536	10,017	14,134	4,854	2017-09-18 10:54
80,167	55,387	0,778	0,789	16027,262	16533,000	55,108	9,828	524,537	10,158	13,940	4,820	2017-09-18 10:54
80,333	55,400	0,778	0,789	16033,112	16655,533	60,330	9,697	524,613	10,078	13,903	4,814	2017-09-18 10:54
80,500	55,409	0,778	0,789	16049,329	16562,446	82,730	9,110	524,537	10,061	14,108	4,849	2017-09-18 10:54
80,667	55,409	0,778	0,789	16062,725	16522,384	106,280	8,807	524,536	9,980	13,877	4,809	2017-09-18 10:54
80,833	55,411	0,778	0,789	16075,800	16304,492	140,048	8,605	524,536	10,070	14,252	4,874	2017-09-18 10:54
81,000	55,415	0,779	0,790	16070,882	16456,318	91,430	8,288	524,536	9,972	14,128	4,853	2017-09-18 10:55
81,167	55,415	0,779	0,789	16010,089	16372,676	115,737	8,589	524,536	10,210	14,029	4,835	2017-09-18 10:55
81,334	55,419	0,779	0,789	15972,781	16326,634	72,369	9,526	524,536	10,253	13,994	4,829	2017-09-18 10:55
81,500	55,415	0,778	0,788	15939,183	16364,528	38,740	10,263	524,442	10,037	14,245	4,873	2017-09-18 10:55
81,667	55,413	0,778	0,789	15919,638	16591,742	76,511	10,700	524,442	9,909	13,969	4,825	2017-09-18 10:55
81,834	55,415	0,779	0,789	15938,382	16439,769	41,068	10,699	524,442	10,122	13,950	4,822	2017-09-18 10:55
82,000	55,417	0,780	0,791	16028,960	16623,689	55,959	10,456	524,443	9,980	14,065	4,842	2017-09-18 10:56
82,167	55,427	0,779	0,789	16028,778	16634,655	77,800	10,287	524,442	10,054	13,816	4,799	2017-09-18 10:56
82,334	55,433	0,779	0,789	16043,725	16632,810	95,623	9,605	524,443	10,071	14,121	4,851	2017-09-18 10:56
82,500	55,435	0,779	0,789	16069,192	16587,853	83,609	9,354	524,443	10,251	14,065	4,842	2017-09-18 10:56
82,667	55,439	0,778	0,788	16075,520	16580,059	70,840	9,715	524,443	9,931	13,840	4,803	2017-09-18 10:56
82,834	55,438	0,779	0,790	16106,587	16553,812	51,557	9,587	524,443	9,778	14,031	4,836	2017-09-18 10:56
83,000	55,410	0,779	0,789	16117,695	16522,790	101,461	9,404	524,442	10,080	14,086	4,845	2017-09-18 10:57
83,167	55,380	0,779	0,789	16140,864	16594,948	82,042	9,342	524,374	9,813	13,831	4,801	2017-09-18 10:57
83,334	55,363	0,778	0,789	16164,835	16534,276	74,829	9,649	524,349	10,092	13,916	4,816	2017-09-18 10:57

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
83,500	0,208	0,612	0,597	0,253	0,350	91,935	19,401	18,312	21,408	21,258	19,994	20,250	20,147	19,885	78,667	59,928	73,199
83,667	0,209	0,600	0,597	0,247	0,353	91,929	19,429	13,206	21,419	21,246	20,005	20,257	20,145	19,886	78,614	59,912	73,202
83,834	0,221	0,567	0,597	0,249	0,351	91,982	19,346	20,047	21,421	21,252	20,014	20,248	20,167	19,885	78,642	59,896	73,226
84,000	0,213	0,556	0,597	0,256	0,357	91,926	19,366	22,949	21,409	21,250	20,013	20,248	20,142	19,882	78,672	59,890	73,258
84,167	0,211	0,570	0,597	0,252	0,352	91,929	19,413	20,581	21,422	21,263	20,001	20,257	20,159	19,884	78,648	59,892	73,264
84,333	0,213	0,583	0,597	0,255	0,350	91,887	19,448	12,905	21,436	21,283	19,985	20,258	20,168	19,886	78,688	59,896	73,249
84,500	0,212	0,585	0,597	0,250	0,350	91,876	19,435	15,288	21,425	21,248	20,019	20,246	20,160	19,882	78,729	59,904	73,289
84,667	0,209	0,572	0,597	0,260	0,353	91,916	19,412	17,709	21,447	21,270	20,010	20,249	20,171	19,885	78,610	59,904	73,307
84,833	0,213	0,572	0,596	0,250	0,351	92,023	19,416	18,506	21,438	21,267	19,993	20,245	20,165	19,886	78,388	59,916	73,322
85,000	0,214	0,571	0,596	0,253	0,345	92,009	19,392	17,772	21,447	21,270	20,007	20,259	20,169	19,886	78,606	59,920	73,309
85,167	0,215	0,582	0,596	0,245	0,344	92,025	19,400	20,138	21,455	21,284	20,018	20,253	20,160	19,886	78,559	59,916	73,233
85,333	0,208	0,585	0,596	0,258	0,347	92,047	19,397	21,635	21,471	21,279	20,020	20,266	20,180	19,888	78,624	59,900	73,239
85,500	0,210	0,583	0,596	0,255	0,343	92,108	19,402	18,625	21,459	21,278	19,997	20,254	20,164	19,888	78,525	59,877	73,256
85,667	0,217	0,560	0,596	0,250	0,349	92,128	19,410	16,304	21,451	21,289	20,007	20,258	20,180	19,888	78,475	59,863	73,258
85,833	0,215	0,533	0,596	0,245	0,347	92,086	19,503	13,960	21,464	21,299	20,028	20,271	20,194	19,890	78,620	59,862	73,222
86,000	0,217	0,535	0,595	0,252	0,353	92,052	19,456	14,429	21,467	21,295	20,000	20,254	20,182	19,888	78,606	59,853	73,209
86,167	0,212	0,559	0,596	0,255	0,349	92,079	19,495	11,019	21,473	21,306	20,018	20,249	20,179	19,892	78,508	59,846	73,224
86,333	0,214	0,574	0,596	0,255	0,346	92,090	19,470	13,006	21,484	21,304	19,988	20,254	20,194	19,889	78,522	59,853	73,226
86,500	0,218	0,594	0,595	0,259	0,351	92,130	19,470	22,727	21,473	21,320	20,011	20,269	20,198	19,890	78,630	59,858	73,213
86,667	0,210	0,609	0,595	0,250	0,354	92,157	19,408	19,558	21,488	21,312	20,002	20,262	20,192	19,892	78,729	59,859	73,217
86,833	0,214	0,602	0,595	0,245	0,352	92,205	19,395	22,873	21,480	21,318	20,024	20,270	20,205	19,893	78,571	59,861	73,230
87,000	0,212	0,599	0,595	0,252	0,352	92,238	19,414	22,698	21,496	21,316	20,011	20,276	20,214	19,889	78,714	59,858	73,271
87,167	0,209	0,589	0,595	0,257	0,344	92,189	19,447	16,887	21,500	21,321	20,014	20,273	20,203	19,894	78,703	59,865	73,274
87,333	0,218	0,560	0,595	0,251	0,356	92,181	19,478	14,707	21,494	21,334	20,018	20,262	20,214	19,893	78,754	59,855	73,298
87,500	0,211	0,560	0,595	0,251	0,350	92,182	19,426	21,335	21,505	21,325	20,014	20,277	20,218	19,894	78,703	59,853	73,297
87,667	0,211	0,566	0,595	0,253	0,353	92,224	19,435	18,648	21,501	21,338	20,027	20,264	20,227	19,896	78,687	59,853	73,321
87,833	0,210	0,570	0,595	0,247	0,351	92,212	19,459	17,862	21,510	21,330	20,027	20,270	20,217	19,898	78,671	59,850	73,332
88,000	0,213	0,555	0,595	0,257	0,348	92,199	19,450	16,070	21,510	21,343	20,018	20,261	20,230	19,898	78,672	59,861	73,343
88,167	0,217	0,552	0,595	0,250	0,349	92,157	19,454	11,576	21,514	21,339	20,021	20,265	20,232	19,900	78,744	59,857	73,310
88,334	0,218	0,556	0,595	0,251	0,351	92,156	19,395	7,388	21,518	21,352	20,018	20,277	20,245	19,904	78,528	59,855	73,287
88,500	0,214	0,568	0,595	0,254	0,354	92,157	19,429	10,744	21,522	21,343	20,017	20,274	20,239	19,898	78,591	59,850	73,294
88,667	0,210	0,572	0,595	0,257	0,353	92,072	19,469	10,295	21,527	21,347	20,031	20,282	20,240	19,904	78,556	59,858	73,237
88,834	0,211	0,587	0,595	0,256	0,345	92,014	19,420	11,459	21,519	21,354	20,017	20,291	20,248	19,906	78,667	59,843	73,203
89,000	0,214	0,583	0,595	0,258	0,351	91,955	19,484	8,812	21,519	21,348	20,025	20,283	20,255	19,902	78,676	59,830	73,203
89,167	0,206	0,584	0,594	0,253	0,353	91,945	19,467	14,174	21,514	21,365	20,017	20,289	20,247	19,902	78,694	59,827	73,230
89,334	0,209	0,595	0,594	0,252	0,353	91,955	19,438	21,684	21,523	21,361	20,004	20,273	20,260	19,900	78,548	59,819	73,243

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
83,500	55,355	0,778	0,789	16138,813	16680,504	60,358	10,309	524,349	10,120	14,006	4,831	2017-09-18 10:57
83,667	55,354	0,779	0,789	16142,485	16665,294	65,788	9,996	524,349	9,876	14,108	4,849	2017-09-18 10:57
83,834	55,352	0,778	0,789	16157,040	16692,146	136,893	9,167	524,348	9,944	14,031	4,836	2017-09-18 10:57
84,000	55,359	0,779	0,789	16174,862	16732,421	89,495	8,897	524,349	10,245	14,290	4,880	2017-09-18 10:58
84,167	55,367	0,779	0,790	16192,013	16720,515	75,885	9,255	524,349	10,096	14,099	4,847	2017-09-18 10:58
84,333	55,363	0,779	0,790	16201,218	16746,009	88,682	9,566	524,349	10,218	14,018	4,834	2017-09-18 10:58
84,500	55,363	0,779	0,789	16210,925	16765,555	85,384	9,621	524,349	9,989	13,985	4,828	2017-09-18 10:58
84,667	55,359	0,779	0,789	16230,732	16662,657	66,879	9,291	524,349	10,395	14,101	4,848	2017-09-18 10:58
84,833	55,350	0,778	0,789	16239,463	16442,414	89,050	9,297	524,256	10,000	14,038	4,837	2017-09-18 10:58
85,000	55,327	0,779	0,788	16241,825	16643,227	96,277	9,274	524,256	10,113	13,807	4,797	2017-09-18 10:59
85,167	55,312	0,778	0,790	16222,672	16596,463	101,916	9,546	524,256	9,806	13,753	4,788	2017-09-18 10:59
85,333	55,307	0,779	0,790	16223,395	16675,295	54,917	9,613	524,256	10,325	13,886	4,811	2017-09-18 10:59
85,500	55,300	0,778	0,789	16240,560	16603,085	68,081	9,572	524,256	10,199	13,728	4,783	2017-09-18 10:59
85,667	55,297	0,778	0,788	16219,326	16561,078	117,071	9,001	524,256	9,982	13,973	4,826	2017-09-18 10:59
85,833	55,304	0,778	0,789	16199,544	16698,880	98,691	8,327	524,256	9,806	13,899	4,813	2017-09-18 10:59
86,000	55,305	0,778	0,789	16192,885	16687,671	113,837	8,372	524,119	10,093	14,112	4,850	2017-09-18 11:00
86,167	55,311	0,779	0,789	16201,125	16628,071	80,954	8,980	524,256	10,216	13,960	4,824	2017-09-18 11:00
86,333	55,312	0,779	0,790	16216,890	16642,257	95,672	9,356	524,256	10,188	13,833	4,802	2017-09-18 11:00
86,500	55,311	0,779	0,790	16197,785	16738,716	119,816	9,845	524,119	10,364	14,054	4,840	2017-09-18 11:00
86,667	55,307	0,779	0,790	16210,289	16808,069	68,568	10,224	524,118	9,997	14,162	4,858	2017-09-18 11:00
86,833	55,297	0,779	0,789	16223,648	16662,436	93,087	10,047	524,119	9,792	14,067	4,842	2017-09-18 11:00
87,000	55,284	0,779	0,789	16261,866	16801,406	85,725	9,980	524,119	10,073	14,093	4,847	2017-09-18 11:01
87,167	55,273	0,778	0,789	16273,103	16762,047	65,104	9,720	524,119	10,290	13,762	4,789	2017-09-18 11:01
87,333	55,269	0,778	0,789	16302,346	16818,509	123,548	8,993	524,119	10,043	14,257	4,875	2017-09-18 11:01
87,500	55,264	0,778	0,789	16298,194	16777,892	76,809	9,006	524,119	10,051	13,981	4,827	2017-09-18 11:01
87,667	55,264	0,778	0,789	16323,122	16766,485	76,156	9,150	524,118	10,100	14,101	4,848	2017-09-18 11:01
87,833	55,265	0,779	0,789	16324,867	16763,452	72,939	9,257	524,119	9,883	14,051	4,839	2017-09-18 11:01
88,000	55,273	0,779	0,789	16335,126	16753,664	90,648	8,872	524,119	10,284	13,930	4,818	2017-09-18 11:02
88,167	55,271	0,779	0,789	16316,308	16831,842	117,116	8,803	524,025	9,997	13,970	4,825	2017-09-18 11:02
88,334	55,267	0,779	0,790	16307,006	16647,286	123,065	8,899	524,025	10,045	14,033	4,836	2017-09-18 11:02
88,500	55,267	0,779	0,790	16310,200	16700,427	95,502	9,209	524,119	10,147	14,142	4,855	2017-09-18 11:02
88,667	55,263	0,778	0,789	16249,550	16636,680	70,739	9,289	524,025	10,266	14,103	4,848	2017-09-18 11:02
88,834	55,253	0,779	0,789	16221,389	16767,584	79,266	9,686	524,025	10,260	13,810	4,798	2017-09-18 11:02
89,000	55,242	0,779	0,790	16251,530	16785,063	93,174	9,577	524,025	10,317	14,055	4,840	2017-09-18 11:03
89,167	55,240	0,779	0,790	16283,945	16812,834	48,034	9,599	523,950	10,123	14,133	4,853	2017-09-18 11:03
89,334	55,233	0,779	0,790	16298,139	16694,989	66,264	9,878	523,930	10,069	14,106	4,849	2017-09-18 11:03

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
89,500	0,207	0,590	0,594	0,248	0,352	91,913	19,475	23,830	21,522	21,359	20,042	20,289	20,251	19,906	78,610	59,823	73,259
89,667	0,205	0,585	0,594	0,252	0,351	91,831	19,469	14,332	21,525	21,359	20,038	20,281	20,256	19,908	78,622	59,820	73,239
89,834	0,207	0,570	0,594	0,256	0,348	91,840	19,488	11,697	21,546	21,354	20,026	20,277	20,285	19,909	78,537	59,819	73,222
90,000	0,213	0,563	0,594	0,258	0,353	91,873	19,446	7,347	21,534	21,360	20,040	20,287	20,272	19,909	78,584	59,810	73,224
90,167	0,215	0,565	0,594	0,249	0,348	91,817	19,455	13,057	21,536	21,369	20,025	20,289	20,274	19,906	78,431	59,803	73,187
90,334	0,208	0,573	0,594	0,245	0,349	91,732	19,477	16,701	21,539	21,364	20,030	20,274	20,252	19,906	78,455	59,803	73,166
90,500	0,206	0,601	0,594	0,252	0,352	91,759	19,369	12,638	21,544	21,368	20,038	20,289	20,277	19,908	78,454	59,791	73,120
90,667	0,206	0,607	0,594	0,248	0,352	91,760	19,383	18,701	21,535	21,372	20,035	20,290	20,281	19,909	78,475	59,785	73,097
90,834	0,208	0,588	0,594	0,244	0,352	91,785	19,398	12,542	21,526	21,363	20,027	20,274	20,291	19,908	78,481	59,775	73,104
91,000	0,210	0,564	0,594	0,255	0,358	91,776	19,425	10,171	21,547	21,388	20,040	20,278	20,272	19,909	78,373	59,775	73,120
91,167	0,211	0,568	0,594	0,251	0,357	91,832	19,450	10,509	21,543	21,381	20,040	20,279	20,285	19,909	78,444	59,779	73,113
91,333	0,208	0,593	0,594	0,263	0,351	91,861	19,438	19,697	21,534	21,375	20,020	20,278	20,296	19,909	78,408	59,772	73,083
91,500	0,208	0,600	0,594	0,251	0,356	91,844	19,429	24,719	21,553	21,386	20,033	20,297	20,302	19,912	78,512	59,763	73,091
91,667	0,208	0,595	0,594	0,248	0,360	91,860	19,406	22,826	21,552	21,393	20,037	20,283	20,303	19,913	78,533	59,767	73,095
91,833	0,207	0,594	0,594	0,253	0,355	91,788	19,374	14,204	21,534	21,390	20,035	20,295	20,298	19,914	78,557	59,769	73,101
92,000	0,206	0,604	0,594	0,254	0,353	91,771	19,263	17,048	21,547	21,394	20,035	20,300	20,316	19,914	78,583	59,768	73,137
92,167	0,208	0,583	0,594	0,252	0,352	91,756	19,347	14,129	21,564	21,421	20,041	20,301	20,333	19,925	78,521	59,783	73,152
92,333	0,209	0,574	0,594	0,249	0,356	91,792	19,387	21,437	21,571	21,402	20,039	20,307	20,331	19,917	78,510	59,788	73,170
92,500	0,207	0,591	0,594	0,249	0,354	91,821	19,432	23,028	21,569	21,406	20,043	20,291	20,320	19,917	78,549	59,792	73,172
92,667	0,206	0,602	0,594	0,251	0,354	91,759	19,432	14,342	21,556	21,402	20,030	20,291	20,335	19,918	78,514	59,796	73,163
92,833	0,207	0,605	0,594	0,251	0,356	91,828	19,413	10,692	21,556	21,401	20,029	20,298	20,320	19,914	78,540	59,796	73,164
93,000	0,208	0,591	0,593	0,251	0,350	91,779	19,416	21,193	21,560	21,403	20,022	20,286	20,321	19,914	78,528	59,789	73,145
93,167	0,206	0,591	0,593	0,253	0,353	91,747	19,411	22,047	21,582	21,411	20,037	20,280	20,328	19,914	78,485	59,787	73,139
93,333	0,211	0,585	0,593	0,250	0,352	91,685	19,423	15,844	21,598	21,420	20,041	20,297	20,334	19,914	78,574	59,779	73,125
93,500	0,207	0,590	0,593	0,261	0,350	91,679	19,424	16,524	21,578	21,410	20,030	20,290	20,329	19,910	78,428	59,772	73,148
93,667	0,206	0,587	0,594	0,252	0,352	91,630	19,425	18,446	21,581	21,403	20,037	20,291	20,337	19,912	78,514	59,775	73,176
93,833	0,212	0,572	0,593	0,248	0,355	91,593	19,416	20,247	21,602	21,417	20,047	20,301	20,333	19,918	78,458	59,784	73,160
94,000	0,206	0,573	0,593	0,257	0,357	91,585	19,403	18,842	21,598	21,419	20,041	20,310	20,357	19,916	78,478	59,781	73,151
94,167	0,207	0,585	0,593	0,256	0,351	91,607	19,407	22,487	21,603	21,415	20,039	20,293	20,346	19,916	78,532	59,779	73,132
94,333	0,209	0,577	0,593	0,245	0,352	91,561	19,412	16,437	21,597	21,419	20,051	20,297	20,348	19,920	78,482	59,776	73,131
94,500	0,210	0,549	0,593	0,251	0,353	91,569	19,382	18,432	21,604	21,426	20,055	20,304	20,364	19,914	78,485	59,773	73,158
94,667	0,210	0,543	0,593	0,254	0,351	91,503	19,397	18,867	21,599	21,439	20,041	20,301	20,352	19,920	78,308	59,777	73,137
94,834	0,209	0,550	0,593	0,249	0,343	91,463	19,412	14,049	21,603	21,432	20,059	20,297	20,372	19,920	78,315	59,777	73,116
95,000	0,206	0,562	0,593	0,251	0,349	91,517	19,386	17,275	21,594	21,435	20,060	20,303	20,369	19,921	78,351	59,772	73,073
95,167	0,209	0,588	0,592	0,254	0,352	91,512	19,296	14,634	21,608	21,418	20,035	20,302	20,372	19,920	78,470	59,749	73,031
95,334	0,208	0,584	0,593	0,252	0,348	91,549	19,278	13,845	21,606	21,432	20,041	20,314	20,371	19,925	78,512	59,745	73,016

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
89,500	55,229	0,779	0,789	16307,396	16744,106	49,448	9,748	523,930	9,936	14,062	4,841	2017-09-18 11:03
89,667	55,226	0,779	0,790	16299,600	16747,061	41,495	9,621	523,930	10,098	14,048	4,839	2017-09-18 11:03
89,834	55,226	0,778	0,789	16270,338	16661,473	54,475	9,261	523,930	10,245	13,911	4,815	2017-09-18 11:03
90,000	55,229	0,779	0,789	16269,134	16721,347	87,427	9,064	523,930	10,325	14,134	4,853	2017-09-18 11:04
90,167	55,228	0,779	0,790	16262,246	16594,527	100,585	9,133	523,930	9,972	13,939	4,820	2017-09-18 11:04
90,334	55,225	0,778	0,790	16234,449	16602,631	56,109	9,337	523,930	9,806	13,949	4,822	2017-09-18 11:04
90,500	55,225	0,778	0,788	16166,115	16609,973	44,625	10,028	523,930	10,082	14,093	4,846	2017-09-18 11:04
90,667	55,222	0,778	0,790	16171,909	16638,991	43,997	10,186	523,930	9,914	14,069	4,842	2017-09-18 11:04
90,834	55,217	0,779	0,789	16177,747	16661,410	55,532	9,691	523,930	9,758	14,084	4,845	2017-09-18 11:04
91,000	55,209	0,779	0,790	16207,840	16573,395	67,849	9,092	523,930	10,214	14,323	4,886	2017-09-18 11:05
91,167	55,210	0,779	0,790	16206,616	16633,231	78,915	9,192	523,930	10,041	14,299	4,882	2017-09-18 11:05
91,333	55,210	0,778	0,790	16173,234	16589,603	56,241	9,814	523,930	10,506	14,044	4,838	2017-09-18 11:05
91,500	55,220	0,779	0,789	16163,349	16708,299	57,172	10,007	523,930	10,056	14,259	4,875	2017-09-18 11:05
91,667	55,225	0,779	0,789	16156,677	16720,910	59,652	9,879	523,837	9,939	14,393	4,898	2017-09-18 11:05
91,833	55,230	0,779	0,789	16162,132	16732,532	48,830	9,856	523,838	10,105	14,217	4,868	2017-09-18 11:05
92,000	55,230	0,779	0,789	16193,528	16758,896	48,173	10,088	523,837	10,147	14,112	4,850	2017-09-18 11:06
92,167	55,229	0,780	0,790	16217,254	16710,198	61,004	9,586	523,837	10,075	14,086	4,845	2017-09-18 11:06
92,333	55,228	0,779	0,790	16234,694	16685,438	64,329	9,359	523,838	9,960	14,234	4,871	2017-09-18 11:06
92,500	55,229	0,779	0,790	16236,896	16723,037	51,126	9,774	523,838	9,957	14,140	4,855	2017-09-18 11:06
92,667	55,224	0,779	0,789	16229,662	16685,798	44,858	10,044	523,837	10,052	14,175	4,860	2017-09-18 11:06
92,833	55,218	0,778	0,789	16219,934	16685,741	50,330	10,114	523,837	10,025	14,238	4,871	2017-09-18 11:06
93,000	55,213	0,778	0,790	16227,082	16682,289	56,922	9,767	523,742	10,040	14,006	4,831	2017-09-18 11:07
93,167	55,209	0,780	0,790	16228,846	16673,076	45,473	9,774	523,742	10,139	14,112	4,850	2017-09-18 11:07
93,333	55,213	0,780	0,790	16213,892	16764,783	73,797	9,637	523,742	9,989	14,062	4,841	2017-09-18 11:07
93,500	55,220	0,780	0,791	16242,787	16647,306	54,500	9,751	523,742	10,446	14,004	4,831	2017-09-18 11:07
93,667	55,220	0,779	0,790	16248,149	16698,484	44,848	9,682	523,838	10,083	14,097	4,847	2017-09-18 11:07
93,833	55,221	0,779	0,789	16224,165	16645,740	83,831	9,298	523,742	9,901	14,216	4,868	2017-09-18 11:07
94,000	55,222	0,779	0,790	16221,161	16651,991	48,180	9,324	523,742	10,278	14,283	4,879	2017-09-18 11:08
94,167	55,214	0,779	0,789	16198,129	16704,845	50,949	9,623	523,742	10,247	14,020	4,834	2017-09-18 11:08
94,333	55,216	0,779	0,790	16224,081	16665,405	62,703	9,431	523,743	9,810	14,062	4,841	2017-09-18 11:08
94,500	55,216	0,780	0,790	16250,187	16691,786	72,866	8,733	523,742	10,028	14,128	4,852	2017-09-18 11:08
94,667	55,209	0,779	0,789	16215,653	16511,532	71,473	8,570	523,649	10,156	14,054	4,840	2017-09-18 11:08
94,834	55,204	0,778	0,789	16201,274	16496,626	61,192	8,758	523,649	9,959	13,734	4,784	2017-09-18 11:08
95,000	55,200	0,778	0,789	16162,944	16540,389	48,454	9,058	523,742	10,034	13,941	4,820	2017-09-18 11:09
95,167	55,198	0,779	0,789	16129,155	16675,089	65,389	9,696	523,555	10,157	14,091	4,846	2017-09-18 11:09
95,334	55,206	0,779	0,790	16127,280	16723,641	59,295	9,600	523,742	10,078	13,903	4,814	2017-09-18 11:09

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
95,500	0,210	0,574	0,593	0,255	0,349	91,569	19,228	21,588	21,611	21,434	20,028	20,295	20,368	19,920	78,463	59,733	73,040
95,667	0,211	0,575	0,593	0,252	0,354	91,612	19,292	11,854	21,599	21,424	20,056	20,310	20,383	19,921	78,459	59,733	73,087
95,834	0,207	0,577	0,593	0,251	0,350	91,579	19,348	12,400	21,619	21,443	20,052	20,302	20,392	19,921	78,425	59,746	73,104
96,000	0,209	0,590	0,593	0,251	0,348	91,605	19,359	16,121	21,607	21,426	20,059	20,306	20,399	19,922	78,427	59,756	73,064
96,167	0,208	0,600	0,593	0,254	0,351	91,627	19,369	22,426	21,563	21,419	20,055	20,303	20,385	19,918	78,420	59,750	73,027
96,334	0,211	0,585	0,592	0,251	0,349	91,560	19,343	19,393	21,597	21,427	20,055	20,302	20,395	19,920	78,315	59,746	73,006
96,500	0,210	0,581	0,592	0,256	0,354	91,539	19,361	14,969	21,585	21,418	20,049	20,305	20,389	19,920	78,312	59,734	73,005
96,667	0,209	0,577	0,592	0,254	0,347	91,565	19,355	19,892	21,594	21,418	20,056	20,304	20,388	19,918	78,352	59,736	73,006
96,834	0,205	0,578	0,592	0,255	0,350	91,507	19,361	19,339	21,577	21,423	20,043	20,312	20,412	19,925	78,292	59,742	73,013
97,000	0,211	0,584	0,592	0,255	0,347	91,501	19,361	16,785	21,581	21,415	20,046	20,301	20,391	19,924	78,261	59,734	73,009
97,167	0,208	0,577	0,592	0,249	0,349	91,551	19,299	22,229	21,593	21,422	20,052	20,294	20,413	19,922	78,347	59,728	72,997
97,334	0,210	0,576	0,592	0,256	0,348	91,511	19,270	19,749	21,605	21,415	20,063	20,299	20,409	19,922	78,245	59,729	72,986
97,500	0,210	0,566	0,592	0,253	0,344	91,460	19,288	16,547	21,597	21,423	20,055	20,302	20,397	19,921	78,296	59,724	72,993
97,667	0,213	0,548	0,592	0,255	0,352	91,424	19,271	17,022	21,590	21,418	20,068	20,295	20,422	19,921	78,195	59,714	72,959
97,833	0,214	0,563	0,592	0,249	0,350	91,416	19,334	9,386	21,595	21,418	20,058	20,302	20,413	19,920	78,151	59,705	72,936
98,000	0,210	0,572	0,592	0,249	0,358	91,453	19,318	7,912	21,611	21,429	20,075	20,307	20,416	19,927	78,182	59,714	72,904
98,167	0,210	0,571	0,592	0,253	0,356	91,459	19,271	16,149	21,611	21,431	20,056	20,301	20,426	19,920	78,182	59,726	72,867
98,333	0,210	0,583	0,592	0,256	0,346	91,505	19,323	9,831	21,615	21,427	20,068	20,312	20,418	19,922	78,342	59,740	72,890
98,500	0,203	0,601	0,592	0,254	0,343	91,494	19,322	16,751	21,593	21,428	20,051	20,324	20,435	19,921	78,123	59,750	72,896
98,667	0,208	0,580	0,592	0,255	0,348	91,480	19,342	23,565	21,589	21,453	20,046	20,315	20,429	19,921	78,231	59,760	72,936
98,833	0,210	0,564	0,592	0,261	0,352	91,534	19,274	26,239	21,607	21,466	20,058	20,315	20,450	19,922	78,216	59,771	72,954
99,000	0,208	0,574	0,592	0,248	0,353	91,495	19,373	21,863	21,597	21,464	20,068	20,340	20,435	19,927	78,253	59,777	72,948
99,167	0,210	0,579	0,592	0,248	0,343	91,512	19,309	25,406	21,594	21,457	20,068	20,327	20,455	19,924	78,137	59,777	72,932
99,333	0,213	0,550	0,591	0,249	0,346	91,482	19,299	24,062	21,594	21,462	20,074	20,318	20,456	19,929	78,151	59,773	72,906
99,500	0,214	0,540	0,592	0,253	0,347	91,530	19,308	16,425	21,592	21,468	20,056	20,339	20,427	19,924	78,079	59,772	72,890
99,667	0,220	0,560	0,592	0,247	0,352	91,559	19,317	15,564	21,594	21,483	20,071	20,319	20,442	19,924	77,914	59,771	72,873
99,833	0,209	0,593	0,591	0,254	0,348	91,487	19,314	16,225	21,607	21,465	20,066	20,325	20,449	19,920	78,075	59,768	72,839
100,000	0,207	0,602	0,592	0,253	0,348	91,493	19,316	8,552	21,597	21,479	20,083	20,332	20,456	19,922	77,992	59,773	72,800
100,167	0,209	0,599	0,591	0,257	0,352	91,488	19,313	12,408	21,593	21,470	20,079	20,323	20,461	19,924	78,085	59,781	72,815
100,333	0,206	0,588	0,591	0,253	0,351	91,451	19,291	6,618	21,577	21,462	20,072	20,336	20,464	19,918	78,138	59,789	72,821
100,500	0,209	0,591	0,591	0,254	0,353	91,488	19,252	8,866	21,589	21,481	20,071	20,341	20,465	19,924	78,187	59,796	72,842
100,667	0,207	0,587	0,591	0,251	0,351	91,470	19,214	6,636	21,572	21,458	20,066	20,332	20,457	19,921	78,211	59,799	72,851
100,833	0,211	0,578	0,591	0,250	0,351	91,475	19,178	14,219	21,568	21,443	20,063	20,315	20,460	19,918	78,185	59,812	72,881
101,000	0,211	0,565	0,591	0,246	0,354	91,506	19,198	12,972	21,576	21,477	20,073	20,324	20,463	19,922	78,201	59,822	72,906
101,167	0,207	0,573	0,591	0,250	0,350	91,501	19,246	22,502	21,572	21,470	20,080	20,336	20,482	19,926	78,204	59,827	72,901
101,333	0,207	0,570	0,591	0,249	0,352	91,516	19,293	20,856	21,569	21,474	20,080	20,327	20,476	19,925	78,131	59,828	72,920

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
95,500	55,206	0,779	0,790	16135,191	16693,832	70,152	9,338	523,649	10,200	13,956	4,823	2017-09-18 11:09
95,667	55,210	0,779	0,789	16172,081	16682,601	77,720	9,363	523,649	10,094	14,163	4,858	2017-09-18 11:09
95,834	55,208	0,778	0,789	16170,820	16613,609	54,347	9,432	523,649	10,021	13,995	4,830	2017-09-18 11:09
96,000	55,208	0,778	0,789	16143,441	16613,343	63,499	9,747	523,649	10,025	13,903	4,814	2017-09-18 11:10
96,167	55,206	0,779	0,789	16108,840	16627,680	59,308	9,998	523,649	10,147	14,029	4,835	2017-09-18 11:10
96,334	55,205	0,778	0,790	16110,972	16526,923	79,002	9,624	523,555	10,047	13,972	4,826	2017-09-18 11:10
96,500	55,202	0,780	0,790	16120,218	16575,219	67,498	9,515	523,555	10,220	14,164	4,859	2017-09-18 11:10
96,667	55,200	0,779	0,790	16114,566	16595,323	64,600	9,414	523,555	10,178	13,896	4,812	2017-09-18 11:10
96,834	55,196	0,780	0,791	16143,929	16540,692	40,199	9,451	523,555	10,191	13,997	4,830	2017-09-18 11:10
97,000	55,194	0,779	0,791	16141,134	16515,935	74,554	9,593	523,555	10,196	13,877	4,809	2017-09-18 11:11
97,167	55,193	0,779	0,790	16122,374	16599,073	55,104	9,418	523,555	9,958	13,967	4,825	2017-09-18 11:11
97,334	55,196	0,779	0,790	16100,206	16500,121	70,204	9,388	523,555	10,254	13,917	4,816	2017-09-18 11:11
97,500	55,200	0,778	0,789	16097,205	16527,977	73,321	9,155	523,555	10,107	13,748	4,787	2017-09-18 11:11
97,667	55,225	0,778	0,789	16025,553	16444,942	86,722	8,712	523,555	10,194	14,062	4,841	2017-09-18 11:11
97,833	55,269	0,778	0,790	15995,394	16425,721	97,924	9,075	523,555	9,948	14,006	4,831	2017-09-18 11:11
98,000	55,296	0,779	0,790	15937,463	16448,505	73,321	9,311	523,463	9,948	14,319	4,885	2017-09-18 11:12
98,167	55,303	0,779	0,791	15913,823	16453,686	70,267	9,274	523,463	10,130	14,240	4,872	2017-09-18 11:12
98,333	55,308	0,779	0,790	15921,816	16572,825	72,741	9,579	523,463	10,248	13,857	4,806	2017-09-18 11:12
98,500	55,305	0,779	0,790	15920,298	16372,092	29,856	10,026	523,462	10,164	13,710	4,780	2017-09-18 11:12
98,667	55,305	0,778	0,789	15947,163	16443,269	60,413	9,491	523,463	10,188	13,907	4,814	2017-09-18 11:12
98,833	55,300	0,778	0,789	15951,089	16426,564	71,257	9,106	523,463	10,445	14,084	4,845	2017-09-18 11:12
99,000	55,303	0,778	0,790	15966,631	16451,718	60,556	9,350	523,462	9,925	14,101	4,848	2017-09-18 11:13
99,167	55,303	0,778	0,789	15942,117	16342,092	72,056	9,473	523,462	9,917	13,723	4,782	2017-09-18 11:13
99,333	55,307	0,778	0,789	15921,253	16361,218	88,018	8,757	523,320	9,950	13,856	4,806	2017-09-18 11:13
99,500	55,320	0,778	0,790	15895,956	16299,093	93,605	8,504	523,462	10,114	13,897	4,813	2017-09-18 11:13
99,667	55,339	0,778	0,789	15857,597	16142,968	132,651	8,996	523,463	9,896	14,077	4,844	2017-09-18 11:13
99,833	55,362	0,779	0,790	15823,884	16313,060	61,782	9,826	523,319	10,179	13,910	4,815	2017-09-18 11:13
100,000	55,375	0,779	0,790	15781,529	16228,698	50,678	10,058	523,462	10,120	13,910	4,815	2017-09-18 11:14
100,167	55,379	0,778	0,790	15779,703	16287,242	61,577	9,981	523,319	10,265	14,082	4,845	2017-09-18 11:14
100,333	55,383	0,779	0,790	15778,698	16349,356	42,926	9,693	523,226	10,124	14,035	4,837	2017-09-18 11:14
100,500	55,384	0,778	0,790	15799,271	16371,957	65,587	9,771	523,320	10,154	14,116	4,850	2017-09-18 11:14
100,667	55,382	0,778	0,789	15791,395	16393,786	52,168	9,664	523,319	10,032	14,049	4,839	2017-09-18 11:14
100,833	55,384	0,779	0,790	15845,164	16380,044	77,025	9,461	523,320	10,017	14,048	4,839	2017-09-18 11:14
101,000	55,382	0,780	0,791	15876,848	16390,901	75,475	9,126	523,319	9,836	14,153	4,857	2017-09-18 11:15
101,167	55,380	0,779	0,790	15858,048	16366,340	51,307	9,332	523,319	10,008	13,985	4,828	2017-09-18 11:15
101,333	55,387	0,779	0,790	15870,640	16301,804	49,215	9,247	523,226	9,970	14,070	4,843	2017-09-18 11:15

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
101,500	0,209	0,578	0,591	0,246	0,348	91,491	19,063	22,975	21,581	21,478	20,085	20,332	20,482	19,931	78,191	59,826	72,916
101,667	0,208	0,577	0,591	0,249	0,350	91,530	19,104	20,840	21,573	21,465	20,080	20,318	20,487	19,927	78,257	59,828	72,902
101,834	0,211	0,572	0,591	0,251	0,350	91,529	19,167	22,090	21,568	21,481	20,081	20,322	20,482	19,927	78,212	59,836	72,900
102,000	0,212	0,584	0,591	0,248	0,354	91,515	19,173	23,911	21,596	21,469	20,092	20,320	20,491	19,930	78,038	59,847	72,894
102,167	0,211	0,586	0,591	0,253	0,349	91,460	19,174	18,455	21,582	21,464	20,067	20,324	20,478	19,922	78,245	59,851	72,879
102,334	0,211	0,573	0,591	0,252	0,352	91,448	19,129	10,722	21,578	21,461	20,075	20,328	20,489	19,920	78,158	59,851	72,879
102,500	0,206	0,555	0,591	0,258	0,352	91,475	19,156	9,693	21,580	21,468	20,088	20,318	20,494	19,921	78,245	59,850	72,888
102,667	0,210	0,551	0,591	0,256	0,352	91,403	19,181	19,829	21,576	21,466	20,069	20,319	20,476	19,920	77,940	59,851	72,902
102,834	0,218	0,541	0,591	0,259	0,346	91,420	19,140	21,398	21,561	21,471	20,080	20,306	20,482	19,918	78,025	59,859	72,900
103,000	0,213	0,550	0,590	0,253	0,355	91,393	19,157	23,721	21,568	21,477	20,100	20,332	20,504	19,922	78,002	59,863	72,850
103,167	0,214	0,561	0,590	0,253	0,349	91,379	19,138	12,072	21,552	21,449	20,081	20,311	20,491	19,914	78,081	59,863	72,836
103,334	0,210	0,575	0,590	0,249	0,348	91,373	19,113	11,159	21,567	21,461	20,075	20,306	20,487	19,920	78,083	59,838	72,824
103,500	0,209	0,573	0,590	0,254	0,346	91,334	19,110	13,083	21,557	21,466	20,077	20,302	20,502	19,918	77,992	59,815	72,827
103,667	0,210	0,569	0,590	0,259	0,349	91,316	19,125	16,287	21,542	21,462	20,088	20,306	20,502	19,917	78,096	59,802	72,825
103,834	0,207	0,564	0,590	0,256	0,350	91,354	19,098	20,099	21,542	21,447	20,085	20,298	20,502	19,914	78,127	59,795	72,800
104,000	0,211	0,573	0,590	0,251	0,348	91,370	19,054	10,169	21,533	21,447	20,098	20,306	20,500	19,917	78,062	59,796	72,819
104,167	0,212	0,586	0,590	0,264	0,349	91,413	19,076	15,391	21,547	21,440	20,079	20,293	20,502	19,917	78,072	59,796	72,827
104,334	0,207	0,579	0,590	0,258	0,353	91,383	19,087	12,377	21,541	21,439	20,077	20,291	20,507	19,916	78,062	59,802	72,843
104,500	0,210	0,576	0,590	0,258	0,358	91,387	19,006	15,637	21,534	21,433	20,086	20,290	20,505	19,914	78,092	59,807	72,827
104,667	0,208	0,575	0,590	0,252	0,345	91,445	19,027	22,658	21,518	21,440	20,079	20,291	20,516	19,918	78,018	59,810	72,804
104,833	0,207	0,590	0,589	0,255	0,343	91,484	19,040	22,348	21,550	21,431	20,088	20,306	20,523	19,922	78,112	59,812	72,816
105,000	0,208	0,593	0,590	0,257	0,350	91,498	19,066	16,792	21,541	21,431	20,093	20,303	20,515	19,920	78,213	59,808	72,824
105,167	0,209	0,572	0,590	0,252	0,355	91,494	19,098	20,192	21,529	21,426	20,089	20,287	20,515	19,916	78,193	59,802	72,846
105,333	0,212	0,560	0,590	0,257	0,350	91,593	18,990	7,808	21,546	21,439	20,114	20,299	20,525	19,929	78,212	59,788	72,870
105,500	0,214	0,558	0,590	0,256	0,352	91,622	18,871	13,216	21,531	21,434	20,094	20,282	20,517	19,916	78,079	59,780	72,856
105,667	0,212	0,552	0,590	0,255	0,350	91,601	18,930	18,186	21,539	21,418	20,080	20,287	20,521	19,913	78,112	59,781	72,871
105,833	0,211	0,567	0,590	0,246	0,347	91,583	18,918	12,516	21,530	21,420	20,080	20,273	20,526	19,912	78,058	59,783	72,854
106,000	0,209	0,580	0,590	0,257	0,351	91,605	18,832	16,843	21,525	21,426	20,097	20,285	20,536	19,921	78,044	59,769	72,812
106,167	0,210	0,578	0,590	0,250	0,346	91,591	18,844	15,519	21,526	21,413	20,105	20,285	20,533	19,916	77,936	59,769	72,794
106,333	0,213	0,580	0,590	0,254	0,350	91,646	18,796	22,174	21,517	21,419	20,101	20,285	20,529	19,910	78,052	59,761	72,792
106,500	0,209	0,592	0,589	0,252	0,344	91,616	18,930	26,455	21,517	21,401	20,102	20,270	20,524	19,906	78,114	59,763	72,770
106,667	0,209	0,592	0,589	0,251	0,346	91,640	18,973	23,708	21,526	21,402	20,091	20,262	20,533	19,901	78,126	59,759	72,793
106,833	0,206	0,607	0,589	0,252	0,344	91,719	18,953	20,291	21,523	21,409	20,099	20,269	20,538	19,904	78,218	59,759	72,828
107,000	0,206	0,625	0,589	0,256	0,350	91,802	18,970	23,369	21,522	21,433	20,098	20,274	20,526	19,906	78,332	59,760	72,856
107,167	0,207	0,635	0,589	0,250	0,346	91,767	18,962	17,176	21,505	21,403	20,098	20,278	20,541	19,904	78,394	59,763	72,879
107,333	0,205	0,623	0,589	0,258	0,351	91,815	18,788	13,562	21,504	21,403	20,098	20,268	20,527	19,900	78,398	59,760	72,927

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
101,500	55,394	0,778	0,789	15832,773	16345,092	61,199	9,444	523,319	9,857	13,915	4,816	2017-09-18 11:15
101,667	55,406	0,778	0,789	15812,419	16402,981	57,012	9,419	523,226	9,957	14,003	4,831	2017-09-18 11:15
101,834	55,414	0,779	0,790	15833,829	16366,423	74,054	9,288	523,226	10,029	13,982	4,827	2017-09-18 11:15
102,000	55,425	0,779	0,790	15806,893	16209,612	83,852	9,605	523,226	9,933	14,143	4,855	2017-09-18 11:16
102,167	55,426	0,779	0,790	15795,677	16385,907	74,627	9,650	523,226	10,105	13,967	4,825	2017-09-18 11:16
102,334	55,429	0,778	0,790	15799,816	16293,667	77,122	9,325	523,226	10,062	14,082	4,845	2017-09-18 11:16
102,500	55,431	0,778	0,790	15796,870	16371,483	42,937	8,873	523,226	10,304	14,060	4,841	2017-09-18 11:16
102,667	55,430	0,779	0,790	15820,352	16110,108	73,526	8,772	523,226	10,222	14,061	4,841	2017-09-18 11:16
102,834	55,418	0,779	0,789	15812,846	16182,827	117,731	8,531	523,226	10,378	13,846	4,804	2017-09-18 11:16
103,000	55,379	0,779	0,790	15806,488	16159,717	91,541	8,750	523,133	10,132	14,210	4,866	2017-09-18 11:17
103,167	55,355	0,780	0,790	15822,515	16246,226	95,592	9,024	523,132	10,134	13,962	4,824	2017-09-18 11:17
103,334	55,347	0,779	0,790	15816,627	16257,791	71,045	9,380	523,132	9,953	13,916	4,816	2017-09-18 11:17
103,500	55,346	0,778	0,790	15821,267	16180,597	62,981	9,333	523,133	10,156	13,847	4,804	2017-09-18 11:17
103,667	55,352	0,778	0,790	15809,208	16288,181	71,226	9,233	523,132	10,374	13,958	4,823	2017-09-18 11:17
103,834	55,358	0,779	0,790	15782,021	16334,534	54,364	9,095	523,132	10,246	14,007	4,832	2017-09-18 11:17
104,000	55,363	0,779	0,790	15793,002	16280,739	79,297	9,329	523,132	10,036	13,927	4,818	2017-09-18 11:18
104,167	55,363	0,779	0,789	15789,344	16293,389	83,428	9,662	523,132	10,553	13,960	4,824	2017-09-18 11:18
104,334	55,367	0,779	0,788	15781,145	16262,951	49,445	9,482	523,132	10,302	14,106	4,849	2017-09-18 11:18
104,500	55,366	0,778	0,789	15784,079	16271,636	73,130	9,412	523,132	10,321	14,310	4,884	2017-09-18 11:18
104,667	55,358	0,779	0,790	15787,244	16222,807	56,692	9,385	523,038	10,077	13,795	4,795	2017-09-18 11:18
104,833	55,343	0,779	0,789	15798,811	16308,169	49,469	9,741	522,954	10,192	13,718	4,781	2017-09-18 11:18
105,000	55,330	0,779	0,789	15823,690	16395,909	59,712	9,814	523,038	10,295	14,004	4,831	2017-09-18 11:19
105,167	55,316	0,778	0,789	15852,630	16362,702	66,021	9,309	523,070	10,086	14,197	4,864	2017-09-18 11:19
105,333	55,309	0,779	0,789	15874,419	16409,883	83,901	9,001	523,038	10,276	14,014	4,833	2017-09-18 11:19
105,500	55,308	0,779	0,789	15872,569	16315,208	92,483	8,962	523,038	10,251	14,065	4,842	2017-09-18 11:19
105,667	55,304	0,779	0,789	15883,028	16330,767	84,703	8,812	523,038	10,192	14,000	4,830	2017-09-18 11:19
105,833	55,309	0,778	0,789	15857,547	16271,415	78,786	9,187	523,038	9,846	13,863	4,807	2017-09-18 11:19
106,000	55,312	0,778	0,789	15813,129	16268,636	62,752	9,492	523,038	10,289	14,025	4,835	2017-09-18 11:20
106,167	55,319	0,778	0,789	15801,217	16171,146	70,389	9,442	523,038	9,994	13,825	4,800	2017-09-18 11:20
106,333	55,313	0,778	0,789	15801,446	16284,701	86,350	9,510	523,038	10,162	13,992	4,829	2017-09-18 11:20
106,500	55,311	0,778	0,790	15797,837	16335,900	66,021	9,811	522,944	10,062	13,779	4,792	2017-09-18 11:20
106,667	55,303	0,778	0,789	15819,688	16351,617	61,862	9,799	522,945	10,050	13,856	4,806	2017-09-18 11:20
106,833	55,287	0,778	0,788	15844,956	16420,675	47,662	10,167	522,946	10,061	13,769	4,790	2017-09-18 11:20
107,000	55,277	0,778	0,789	15885,142	16518,645	45,251	10,620	522,944	10,230	14,013	4,833	2017-09-18 11:21
107,167	55,265	0,778	0,788	15913,405	16581,109	52,582	10,882	522,944	10,017	13,821	4,800	2017-09-18 11:21
107,333	55,261	0,778	0,789	15970,926	16594,686	40,394	10,572	522,944	10,315	14,027	4,835	2017-09-18 11:21

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
107,500	0,206	0,583	0,589	0,245	0,346	91,816	18,865	13,243	21,527	21,410	20,090	20,273	20,546	19,902	78,423	59,759	72,989
107,667	0,212	0,560	0,589	0,253	0,345	91,905	18,910	15,135	21,518	21,410	20,091	20,256	20,534	19,900	78,334	59,771	73,016
107,833	0,213	0,542	0,589	0,255	0,342	91,874	18,990	18,543	21,521	21,415	20,080	20,274	20,529	19,902	78,369	59,780	73,025
108,000	0,212	0,555	0,589	0,235	0,351	91,915	18,962	14,104	21,534	21,424	20,100	20,268	20,538	19,904	78,378	59,785	73,005
108,167	0,208	0,571	0,589	0,254	0,348	91,972	18,947	20,560	21,522	21,423	20,091	20,281	20,555	19,901	78,355	59,781	73,010
108,333	0,211	0,591	0,589	0,256	0,348	91,958	18,963	14,202	21,522	21,419	20,096	20,268	20,546	19,897	78,282	59,779	73,017
108,500	0,205	0,598	0,589	0,253	0,351	92,005	18,971	12,720	21,519	21,419	20,089	20,264	20,539	19,897	78,451	59,781	72,990
108,667	0,206	0,596	0,589	0,254	0,353	92,090	18,994	8,032	21,536	21,424	20,114	20,261	20,561	19,905	78,479	59,783	72,990
108,834	0,212	0,567	0,589	0,243	0,343	92,051	18,971	11,705	21,547	21,412	20,104	20,275	20,551	19,905	78,475	59,784	73,023
109,000	0,209	0,562	0,589	0,250	0,349	92,072	18,999	16,696	21,539	21,408	20,111	20,254	20,546	19,897	78,481	59,781	73,041
109,167	0,216	0,583	0,588	0,259	0,357	92,053	18,967	12,108	21,544	21,411	20,108	20,278	20,555	19,901	78,421	59,784	73,060
109,334	0,212	0,584	0,588	0,247	0,352	92,063	18,923	7,648	21,537	21,402	20,090	20,260	20,542	19,890	78,512	59,781	73,067
109,500	0,208	0,582	0,588	0,255	0,348	92,017	18,958	12,129	21,551	21,427	20,110	20,265	20,546	19,900	78,377	59,788	73,075
109,667	0,215	0,588	0,588	0,254	0,346	91,987	18,975	17,691	21,532	21,407	20,092	20,253	20,540	19,890	78,394	59,785	73,086
109,834	0,207	0,587	0,588	0,255	0,352	91,978	18,958	9,976	21,551	21,431	20,102	20,279	20,559	19,905	78,408	59,785	73,068
110,000	0,208	0,584	0,588	0,255	0,346	92,013	18,973	19,707	21,545	21,417	20,100	20,265	20,559	19,896	78,472	59,777	73,071
110,167	0,210	0,572	0,588	0,249	0,351	91,981	18,974	23,379	21,540	21,419	20,117	20,262	20,564	19,897	78,490	59,775	73,067
110,334	0,212	0,567	0,588	0,253	0,347	91,988	18,954	21,361	21,551	21,410	20,117	20,270	20,578	19,900	78,516	59,776	73,063
110,500	0,210	0,567	0,588	0,253	0,346	92,106	18,925	22,216	21,547	21,424	20,096	20,262	20,565	19,894	78,397	59,768	73,102
110,667	0,210	0,573	0,588	0,250	0,350	92,075	18,948	13,389	21,523	21,402	20,117	20,260	20,572	19,892	78,552	59,769	73,114
110,834	0,207	0,577	0,587	0,250	0,351	92,150	18,910	21,112	21,556	21,433	20,111	20,273	20,573	19,897	78,416	59,780	73,081
111,000	0,209	0,570	0,587	0,258	0,351	92,222	18,927	17,997	21,532	21,420	20,099	20,254	20,573	19,889	78,454	59,776	73,108
111,167	0,209	0,581	0,588	0,253	0,354	92,170	18,935	13,377	21,554	21,416	20,112	20,265	20,566	19,892	78,459	59,777	73,078
111,333	0,209	0,582	0,587	0,254	0,344	92,159	18,917	16,068	21,537	21,416	20,103	20,256	20,573	19,888	78,421	59,779	73,059
111,500	0,206	0,584	0,587	0,249	0,351	92,118	18,900	12,278	21,546	21,432	20,108	20,261	20,582	19,888	78,464	59,785	73,067
111,667	0,205	0,600	0,587	0,251	0,347	92,154	18,917	19,902	21,544	21,429	20,107	20,273	20,569	19,888	78,416	59,806	73,075
111,833	0,206	0,613	0,587	0,250	0,351	92,161	18,966	12,116	21,545	21,419	20,117	20,266	20,593	19,890	78,510	59,804	73,089
112,000	0,205	0,594	0,587	0,252	0,348	92,118	18,959	11,998	21,527	21,413	20,094	20,253	20,565	19,882	78,572	59,807	73,104
112,167	0,208	0,577	0,587	0,256	0,350	92,053	18,968	10,794	21,549	21,404	20,101	20,249	20,575	19,882	78,470	59,818	73,139
112,333	0,212	0,570	0,587	0,253	0,348	92,011	18,992	13,806	21,537	21,417	20,104	20,237	20,561	19,881	78,362	59,824	73,152
112,500	0,208	0,577	0,587	0,248	0,352	91,994	18,934	20,692	21,542	21,411	20,096	20,263	20,579	19,882	78,505	59,828	73,135
112,667	0,212	0,582	0,587	0,247	0,354	91,933	18,964	19,726	21,561	21,422	20,116	20,252	20,577	19,882	78,463	59,830	73,108
112,833	0,210	0,584	0,587	0,250	0,352	91,920	18,910	12,527	21,565	21,429	20,118	20,263	20,587	19,882	78,466	59,826	73,110
113,000	0,206	0,618	0,587	0,255	0,350	91,928	18,881	13,707	21,559	21,417	20,109	20,253	20,583	19,884	78,576	59,818	73,100
113,167	0,209	0,630	0,587	0,249	0,349	91,858	18,914	20,303	21,563	21,426	20,105	20,257	20,590	19,884	78,568	59,815	73,098
113,333	0,208	0,606	0,587	0,257	0,352	91,834	18,971	23,612	21,550	21,412	20,110	20,257	20,591	19,882	78,586	59,822	73,151

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
107,500	55,260	0,778	0,788	16016,870	16616,213	48,586	9,586	522,944	9,815	13,839	4,803	2017-09-18 11:21
107,667	55,260	0,778	0,789	16053,128	16519,755	80,284	8,998	522,894	10,105	13,782	4,793	2017-09-18 11:21
107,833	55,259	0,778	0,789	16056,214	16548,801	91,965	8,554	522,945	10,196	13,685	4,776	2017-09-18 11:21
108,000	55,263	0,778	0,789	16033,264	16544,811	82,560	8,876	522,945	9,416	14,033	4,836	2017-09-18 11:22
108,167	55,261	0,778	0,789	16045,420	16536,873	57,745	9,264	522,851	10,169	13,915	4,816	2017-09-18 11:22
108,333	55,261	0,778	0,788	16042,578	16471,718	75,461	9,780	522,851	10,240	13,939	4,820	2017-09-18 11:22
108,500	55,255	0,779	0,789	16041,149	16636,899	41,064	9,947	522,851	10,101	14,051	4,839	2017-09-18 11:22
108,667	55,255	0,779	0,789	16039,577	16662,239	46,912	9,892	522,851	10,142	14,106	4,849	2017-09-18 11:22
108,834	55,248	0,779	0,790	16086,859	16653,802	83,334	9,170	522,851	9,711	13,721	4,782	2017-09-18 11:22
109,000	55,237	0,779	0,789	16091,657	16654,045	64,055	9,038	522,851	9,993	13,942	4,820	2017-09-18 11:23
109,167	55,233	0,778	0,788	16103,750	16585,838	105,720	9,567	522,758	10,363	14,292	4,881	2017-09-18 11:23
109,334	55,229	0,778	0,788	16115,769	16673,762	83,609	9,607	522,758	9,884	14,079	4,844	2017-09-18 11:23
109,500	55,226	0,779	0,789	16135,827	16555,360	55,306	9,553	522,758	10,211	13,918	4,816	2017-09-18 11:23
109,667	55,222	0,777	0,789	16144,449	16547,387	104,171	9,703	522,758	10,143	13,820	4,799	2017-09-18 11:23
109,834	55,224	0,777	0,788	16119,298	16555,098	51,355	9,666	522,758	10,202	14,065	4,842	2017-09-18 11:23
110,000	55,224	0,777	0,788	16120,770	16620,318	56,369	9,598	522,762	10,214	13,820	4,799	2017-09-18 11:24
110,167	55,222	0,778	0,789	16130,864	16651,261	72,838	9,290	522,758	9,958	14,023	4,834	2017-09-18 11:24
110,334	55,222	0,778	0,789	16127,193	16670,266	82,514	9,173	522,758	10,106	13,863	4,807	2017-09-18 11:24
110,500	55,220	0,778	0,789	16167,983	16578,668	67,661	9,168	522,758	10,129	13,837	4,802	2017-09-18 11:24
110,667	55,216	0,777	0,788	16157,822	16699,427	71,455	9,327	522,758	9,984	14,015	4,833	2017-09-18 11:24
110,834	55,217	0,778	0,789	16156,964	16589,577	50,932	9,416	522,618	10,011	14,044	4,838	2017-09-18 11:24
111,000	55,242	0,778	0,789	16154,693	16628,553	66,921	9,251	522,618	10,306	14,060	4,841	2017-09-18 11:25
111,167	55,263	0,778	0,789	16106,605	16625,172	62,498	9,515	522,758	10,135	14,147	4,856	2017-09-18 11:25
111,333	55,265	0,778	0,789	16088,669	16591,977	61,192	9,558	522,618	10,145	13,778	4,792	2017-09-18 11:25
111,500	55,269	0,778	0,788	16075,337	16625,393	47,190	9,594	522,618	9,963	14,036	4,837	2017-09-18 11:25
111,667	55,267	0,778	0,789	16099,217	16569,265	40,647	10,011	522,618	10,056	13,895	4,812	2017-09-18 11:25
111,833	55,268	0,778	0,789	16102,827	16639,123	47,989	10,330	522,618	9,986	14,050	4,839	2017-09-18 11:25
112,000	55,269	0,779	0,789	16123,717	16715,597	42,325	9,841	522,618	10,092	13,917	4,816	2017-09-18 11:26
112,167	55,267	0,778	0,789	16155,368	16594,628	59,739	9,429	522,618	10,248	14,007	4,832	2017-09-18 11:26
112,333	55,267	0,778	0,789	16171,776	16504,604	84,537	9,259	522,553	10,122	13,921	4,817	2017-09-18 11:26
112,500	55,267	0,778	0,788	16142,688	16618,881	60,709	9,423	522,618	9,922	14,099	4,847	2017-09-18 11:26
112,667	55,271	0,778	0,789	16126,480	16588,678	85,343	9,559	522,618	9,883	14,162	4,858	2017-09-18 11:26
112,833	55,277	0,778	0,789	16122,496	16583,769	70,837	9,600	522,525	10,012	14,072	4,843	2017-09-18 11:26
113,000	55,288	0,777	0,789	16106,818	16677,617	45,227	10,438	522,618	10,181	13,992	4,829	2017-09-18 11:27
113,167	55,295	0,778	0,788	16078,001	16695,770	62,845	10,738	522,525	9,955	13,954	4,823	2017-09-18 11:27
113,333	55,301	0,778	0,788	16112,765	16695,719	55,879	10,151	522,618	10,294	14,078	4,844	2017-09-18 11:27

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
113,500	0,211	0,574	0,587	0,246	0,346	91,905	18,984	17,084	21,552	21,411	20,101	20,246	20,583	19,882	78,630	59,836	73,191
113,667	0,208	0,567	0,587	0,254	0,351	91,880	18,993	17,408	21,542	21,421	20,114	20,253	20,594	19,880	78,563	59,847	73,195
113,833	0,210	0,574	0,587	0,261	0,349	91,910	18,993	13,827	21,562	21,407	20,111	20,257	20,596	19,885	78,464	59,854	73,194
114,000	0,209	0,582	0,586	0,254	0,350	91,854	19,009	18,744	21,557	21,422	20,113	20,250	20,581	19,884	78,611	59,858	73,197
114,167	0,214	0,567	0,586	0,252	0,349	91,861	19,019	18,469	21,562	21,438	20,101	20,248	20,599	19,884	78,539	59,858	73,152
114,333	0,211	0,561	0,587	0,251	0,349	91,790	18,988	10,732	21,562	21,434	20,120	20,248	20,599	19,881	78,429	59,859	73,156
114,500	0,212	0,573	0,587	0,257	0,348	91,834	18,998	7,370	21,566	21,430	20,126	20,257	20,590	19,878	78,485	59,854	73,151
114,667	0,210	0,570	0,586	0,246	0,353	91,805	18,974	5,472	21,548	21,417	20,118	20,237	20,584	19,877	78,340	59,854	73,127
114,833	0,209	0,562	0,587	0,253	0,351	91,808	19,025	11,802	21,552	21,449	20,108	20,254	20,619	19,885	78,321	59,857	73,098
115,000	0,215	0,560	0,586	0,250	0,349	91,807	19,028	11,908	21,537	21,430	20,125	20,254	20,601	19,881	78,255	59,855	73,087
115,167	0,215	0,552	0,586	0,254	0,353	91,806	19,059	20,855	21,562	21,438	20,127	20,255	20,600	19,882	78,335	59,847	73,041
115,334	0,213	0,552	0,586	0,256	0,349	91,723	19,074	17,407	21,552	21,437	20,133	20,278	20,623	19,889	78,315	59,845	73,032
115,500	0,213	0,553	0,586	0,250	0,349	91,716	19,013	20,218	21,559	21,436	20,133	20,256	20,599	19,886	78,394	59,839	73,025
115,667	0,208	0,578	0,586	0,256	0,350	91,739	19,043	14,841	21,567	21,432	20,130	20,250	20,603	19,881	78,332	59,839	73,016
115,834	0,208	0,587	0,586	0,252	0,350	91,765	19,012	12,664	21,569	21,432	20,113	20,269	20,613	19,884	78,385	59,845	73,020
116,000	0,210	0,593	0,586	0,254	0,346	91,821	19,022	15,245	21,570	21,442	20,114	20,254	20,624	19,881	78,288	59,845	73,008
116,167	0,207	0,602	0,586	0,249	0,346	91,825	19,049	13,365	21,601	21,430	20,117	20,249	20,611	19,880	78,417	59,834	73,014
116,334	0,207	0,609	0,586	0,254	0,349	91,861	19,025	12,153	21,593	21,436	20,118	20,259	20,620	19,884	78,493	59,826	73,020
116,500	0,204	0,623	0,586	0,250	0,350	91,839	19,054	15,844	21,592	21,457	20,132	20,273	20,628	19,893	78,621	59,828	73,048
116,667	0,208	0,607	0,586	0,257	0,343	91,773	19,057	24,978	21,579	21,439	20,113	20,259	20,625	19,878	78,545	59,830	73,101
116,834	0,211	0,583	0,586	0,251	0,350	91,714	19,103	26,160	21,583	21,458	20,120	20,254	20,614	19,877	78,398	59,846	73,147
117,000	0,208	0,567	0,586	0,244	0,351	91,706	19,083	21,897	21,575	21,448	20,137	20,257	20,633	19,881	78,477	59,857	73,154
117,167	0,210	0,564	0,586	0,247	0,351	91,652	19,106	25,328	21,595	21,433	20,129	20,261	20,624	19,880	78,454	59,867	73,104
117,334	0,215	0,562	0,586	0,255	0,346	91,604	19,112	23,839	21,591	21,450	20,122	20,255	20,621	19,882	78,334	59,867	73,089
117,500	0,208	0,561	0,586	0,254	0,346	91,619	19,127	17,782	21,599	21,454	20,129	20,253	20,637	19,882	78,370	59,861	73,071
117,667	0,213	0,555	0,586	0,250	0,344	91,628	19,059	15,818	21,585	21,449	20,124	20,253	20,642	19,882	78,304	59,865	73,036
117,834	0,212	0,539	0,586	0,252	0,350	91,606	19,085	20,073	21,601	21,454	20,120	20,254	20,629	19,878	78,191	59,857	73,027
118,000	0,218	0,534	0,586	0,248	0,351	91,635	19,123	14,148	21,586	21,458	20,138	20,263	20,638	19,886	77,975	59,853	73,013
118,167	0,217	0,552	0,585	0,247	0,354	91,652	19,141	22,151	21,604	21,459	20,140	20,262	20,631	19,880	78,106	59,849	72,958
118,333	0,209	0,573	0,585	0,254	0,350	91,709	19,204	21,468	21,610	21,459	20,138	20,266	20,650	19,886	78,205	59,843	72,892
118,500	0,211	0,583	0,585	0,251	0,347	91,687	19,146	12,137	21,596	21,472	20,124	20,258	20,652	19,880	78,126	59,823	72,877
118,667	0,210	0,585	0,585	0,250	0,353	91,690	19,076	10,816	21,593	21,456	20,117	20,263	20,637	19,881	78,141	59,816	72,886
118,833	0,208	0,576	0,585	0,252	0,353	91,672	19,089	19,210	21,613	21,463	20,131	20,259	20,650	19,884	78,220	59,806	72,893
119,000	0,211	0,575	0,585	0,254	0,351	91,652	19,121	13,534	21,613	21,473	20,127	20,244	20,638	19,881	78,238	59,812	72,900
119,167	0,206	0,591	0,585	0,253	0,346	91,651	19,133	13,684	21,609	21,461	20,129	20,276	20,647	19,878	78,352	59,812	72,893
119,333	0,207	0,604	0,585	0,256	0,352	91,682	19,121	15,103	21,601	21,462	20,129	20,276	20,660	19,880	78,367	59,815	72,909

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
113,500	55,301	0,778	0,789	16167,753	16726,471	76,587	9,350	522,525	9,838	13,856	4,806	2017-09-18 11:27
113,667	55,304	0,777	0,789	16180,252	16629,802	60,337	9,182	522,525	10,145	14,020	4,834	2017-09-18 11:27
113,833	55,305	0,778	0,789	16171,394	16559,898	67,870	9,353	522,525	10,425	13,957	4,823	2017-09-18 11:27
114,000	55,307	0,777	0,788	16158,750	16673,034	66,740	9,561	522,430	10,151	14,005	4,831	2017-09-18 11:28
114,167	55,308	0,778	0,788	16116,899	16614,452	95,575	9,180	522,430	10,079	13,970	4,825	2017-09-18 11:28
114,333	55,308	0,778	0,789	16133,423	16523,792	75,010	9,036	522,525	10,025	13,955	4,823	2017-09-18 11:28
114,500	55,308	0,778	0,789	16124,985	16575,635	81,931	9,330	522,525	10,280	13,935	4,819	2017-09-18 11:28
114,667	55,311	0,778	0,788	16083,574	16453,235	72,272	9,251	522,430	9,832	14,106	4,849	2017-09-18 11:28
114,833	55,315	0,779	0,789	16084,055	16443,481	62,224	9,059	522,525	10,131	14,036	4,837	2017-09-18 11:28
115,000	55,320	0,778	0,789	16053,716	16376,265	104,657	9,005	522,430	10,016	13,951	4,822	2017-09-18 11:29
115,167	55,327	0,778	0,789	16013,750	16447,895	104,633	8,806	522,430	10,162	14,112	4,850	2017-09-18 11:29
115,334	55,334	0,778	0,790	16013,406	16437,600	88,855	8,800	522,430	10,250	13,956	4,823	2017-09-18 11:29
115,500	55,334	0,778	0,789	15993,307	16504,417	89,258	8,818	522,430	9,987	13,950	4,822	2017-09-18 11:29
115,667	55,327	0,777	0,788	15981,597	16446,168	59,913	9,443	522,430	10,256	14,007	4,832	2017-09-18 11:29
115,834	55,319	0,777	0,789	15993,868	16486,887	58,971	9,681	522,430	10,084	14,010	4,832	2017-09-18 11:29
116,000	55,313	0,777	0,788	15982,972	16398,121	69,364	9,835	522,338	10,151	13,851	4,805	2017-09-18 11:30
116,167	55,311	0,778	0,789	16005,221	16529,336	50,271	10,052	522,338	9,958	13,828	4,801	2017-09-18 11:30
116,334	55,312	0,778	0,789	16011,445	16609,132	49,267	10,234	522,338	10,156	13,966	4,825	2017-09-18 11:30
116,500	55,316	0,778	0,788	16021,005	16722,609	33,511	10,564	522,338	9,995	14,017	4,833	2017-09-18 11:30
116,667	55,316	0,778	0,789	16072,158	16652,429	60,966	10,174	522,431	10,278	13,707	4,780	2017-09-18 11:30
116,834	55,325	0,779	0,789	16111,917	16530,898	77,553	9,578	522,338	10,021	14,020	4,834	2017-09-18 11:30
117,000	55,328	0,778	0,788	16104,976	16578,855	60,750	9,163	522,338	9,771	14,038	4,837	2017-09-18 11:31
117,167	55,336	0,779	0,789	16067,815	16554,014	69,378	9,100	522,338	9,892	14,026	4,835	2017-09-18 11:31
117,334	55,342	0,779	0,789	16039,576	16445,967	102,736	9,051	522,338	10,216	13,850	4,804	2017-09-18 11:31
117,500	55,344	0,778	0,788	16011,995	16464,468	56,018	9,037	522,338	10,151	13,851	4,805	2017-09-18 11:31
117,667	55,343	0,777	0,788	15976,684	16394,447	91,388	8,876	522,338	10,004	13,745	4,786	2017-09-18 11:31
117,834	55,336	0,778	0,788	15976,470	16313,459	80,864	8,469	522,338	10,072	13,985	4,828	2017-09-18 11:31
118,000	55,335	0,778	0,788	15971,832	16122,178	120,421	8,355	522,338	9,916	14,020	4,834	2017-09-18 11:32
118,167	55,335	0,777	0,789	15924,624	16232,352	112,422	8,812	522,243	9,871	14,175	4,860	2017-09-18 11:32
118,333	55,335	0,778	0,789	15870,760	16341,357	62,654	9,337	522,243	10,177	13,995	4,830	2017-09-18 11:32
118,500	55,330	0,777	0,788	15853,379	16276,839	78,606	9,585	522,243	10,056	13,892	4,812	2017-09-18 11:32
118,667	55,336	0,777	0,789	15858,670	16286,041	70,889	9,630	522,243	10,012	14,123	4,852	2017-09-18 11:32
118,833	55,335	0,778	0,789	15864,403	16377,896	60,340	9,388	522,243	10,081	14,105	4,849	2017-09-18 11:32
119,000	55,342	0,777	0,788	15852,080	16374,773	76,983	9,387	522,243	10,164	14,028	4,835	2017-09-18 11:33
119,167	55,343	0,777	0,788	15848,251	16484,366	44,563	9,775	522,243	10,119	13,849	4,804	2017-09-18 11:33
119,333	55,343	0,777	0,789	15871,753	16499,126	52,162	10,099	522,162	10,232	14,070	4,843	2017-09-18 11:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
119,500	0,209	0,599	0,585	0,251	0,349	91,595	19,098	16,329	21,587	21,458	20,126	20,251	20,642	19,877	78,143	59,814	72,948
119,667	0,207	0,583	0,585	0,251	0,352	91,568	19,155	12,900	21,596	21,448	20,133	20,258	20,650	19,877	78,110	59,824	72,977
119,833	0,209	0,569	0,585	0,250	0,348	91,540	18,996	13,909	21,605	21,447	20,116	20,254	20,647	19,878	78,212	59,832	72,950
120,000	0,216	0,557	0,585	0,251	0,350	91,497	19,053	10,629	21,587	21,468	20,139	20,263	20,669	19,880	78,135	59,834	72,924
120,167	0,215	0,553	0,585	0,251	0,350	91,499	19,065	6,135	21,597	21,476	20,147	20,261	20,652	19,881	78,129	59,827	72,909
120,333	0,210	0,561	0,585	0,250	0,354	91,534	19,064	10,460	21,597	21,469	20,148	20,276	20,653	19,888	78,083	59,824	72,896
120,500	0,207	0,579	0,585	0,247	0,355	91,487	19,068	14,875	21,608	21,482	20,139	20,272	20,666	19,885	78,122	59,827	72,861
120,667	0,211	0,581	0,585	0,255	0,346	91,477	19,065	15,009	21,617	21,467	20,139	20,278	20,669	19,880	78,165	59,824	72,858
120,833	0,207	0,589	0,585	0,251	0,343	91,460	19,090	11,910	21,631	21,468	20,134	20,263	20,669	19,882	78,169	59,822	72,844
121,000	0,210	0,572	0,585	0,254	0,351	91,452	19,097	8,098	21,638	21,488	20,133	20,282	20,662	19,888	78,119	59,828	72,865
121,167	0,211	0,567	0,585	0,249	0,352	91,443	19,096	10,189	21,618	21,488	20,143	20,271	20,675	19,881	78,130	59,831	72,862
121,333	0,208	0,581	0,584	0,253	0,345	91,453	19,087	13,718	21,627	21,472	20,144	20,265	20,667	19,882	78,164	59,834	72,852
121,500	0,205	0,591	0,584	0,257	0,347	91,487	19,098	10,415	21,629	21,488	20,139	20,271	20,667	19,881	78,158	59,832	72,862
121,667	0,210	0,604	0,585	0,252	0,350	91,519	19,123	8,917	21,642	21,476	20,143	20,272	20,679	19,884	78,176	59,832	72,875
121,833	0,209	0,603	0,584	0,247	0,350	91,509	19,115	10,007	21,632	21,485	20,144	20,258	20,688	19,881	78,158	59,838	72,858
122,000	0,210	0,595	0,584	0,248	0,350	91,561	19,124	18,584	21,634	21,484	20,137	20,271	20,688	19,882	78,169	59,832	72,869
122,167	0,210	0,596	0,584	0,240	0,348	91,592	19,149	15,473	21,643	21,481	20,133	20,255	20,676	19,880	78,166	59,828	72,865
122,334	0,208	0,585	0,584	0,254	0,350	91,571	19,138	14,433	21,636	21,490	20,151	20,276	20,684	19,885	78,205	59,827	72,889
122,500	0,212	0,582	0,584	0,257	0,351	91,635	19,127	19,364	21,642	21,501	20,142	20,270	20,680	19,885	78,200	59,836	72,882
122,667	0,210	0,576	0,584	0,248	0,353	91,600	19,117	18,184	21,622	21,477	20,150	20,275	20,686	19,878	78,325	59,838	72,892
122,834	0,207	0,575	0,584	0,248	0,351	91,575	19,057	17,820	21,628	21,478	20,139	20,257	20,669	19,874	78,196	59,836	72,912
123,000	0,209	0,589	0,584	0,242	0,349	91,608	19,079	12,084	21,621	21,490	20,143	20,275	20,680	19,878	78,245	59,846	72,933
123,167	0,208	0,578	0,584	0,252	0,353	91,622	19,120	18,532	21,649	21,479	20,159	20,280	20,702	19,885	78,351	59,858	72,942
123,334	0,210	0,551	0,584	0,251	0,353	91,614	19,120	23,322	21,648	21,488	20,151	20,276	20,706	19,885	78,227	59,866	72,974
123,500	0,215	0,551	0,584	0,253	0,350	91,602	19,107	20,584	21,652	21,485	20,147	20,268	20,699	19,880	78,313	59,866	72,985
123,667	0,213	0,559	0,584	0,255	0,350	91,667	19,096	18,777	21,652	21,482	20,140	20,276	20,703	19,877	78,263	59,871	72,956
123,834	0,208	0,591	0,584	0,247	0,351	91,718	19,119	18,601	21,660	21,495	20,139	20,274	20,685	19,874	78,135	59,869	72,938
124,000	0,210	0,612	0,584	0,251	0,355	91,730	19,140	20,645	21,664	21,492	20,167	20,271	20,716	19,884	78,251	59,867	72,946
124,167	0,210	0,614	0,584	0,251	0,353	91,742	19,130	22,389	21,649	21,485	20,144	20,262	20,694	19,873	78,340	59,863	72,933
124,334	0,211	0,595	0,584	0,246	0,351	91,747	19,133	13,922	21,654	21,477	20,151	20,266	20,690	19,874	78,385	59,859	72,940
124,500	0,209	0,592	0,583	0,249	0,351	91,662	19,149	23,603	21,635	21,488	20,161	20,272	20,697	19,876	78,367	59,857	72,981
124,667	0,209	0,589	0,583	0,251	0,348	91,666	19,129	25,881	21,632	21,473	20,153	20,274	20,703	19,876	78,246	59,867	73,002
124,834	0,212	0,585	0,583	0,250	0,345	91,642	19,179	22,138	21,639	21,482	20,143	20,274	20,698	19,877	78,350	59,878	73,000
125,000	0,207	0,571	0,583	0,251	0,346	91,667	19,172	17,710	21,653	21,489	20,138	20,279	20,712	19,877	78,280	59,888	73,002
125,167	0,209	0,580	0,583	0,255	0,352	91,743	19,162	19,235	21,640	21,491	20,147	20,280	20,712	19,876	78,324	59,889	72,982
125,333	0,208	0,566	0,583	0,251	0,344	91,711	19,044	25,030	21,662	21,494	20,160	20,272	20,711	19,876	78,254	59,886	72,971

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
119,500	55,343	0,777	0,789	15907,482	16296,039	67,046	9,987	522,150	10,033	13,966	4,825	2017-09-18 11:33
119,667	55,343	0,777	0,789	15936,636	16254,734	53,628	9,572	522,149	10,049	14,099	4,847	2017-09-18 11:33
119,833	55,343	0,777	0,788	15898,251	16330,954	61,376	9,231	522,150	10,006	13,937	4,820	2017-09-18 11:33
120,000	55,344	0,777	0,789	15885,551	16273,360	109,302	8,914	522,150	10,056	14,002	4,831	2017-09-18 11:34
120,167	55,344	0,778	0,790	15893,296	16283,420	100,356	8,819	522,150	10,027	14,013	4,833	2017-09-18 11:34
120,333	55,348	0,779	0,790	15890,365	16264,709	68,516	9,017	522,150	9,988	14,167	4,859	2017-09-18 11:34
120,500	55,348	0,778	0,789	15838,039	16289,078	52,158	9,472	522,150	9,873	14,207	4,866	2017-09-18 11:34
120,667	55,355	0,779	0,789	15816,865	16337,770	74,009	9,536	522,150	10,216	13,825	4,800	2017-09-18 11:34
120,833	55,359	0,779	0,789	15817,696	16341,513	54,024	9,715	522,150	10,037	13,721	4,782	2017-09-18 11:34
121,000	55,364	0,779	0,789	15829,565	16300,990	68,790	9,293	522,150	10,150	14,031	4,836	2017-09-18 11:35
121,167	55,364	0,780	0,789	15827,440	16317,634	73,648	9,169	522,150	9,964	14,097	4,847	2017-09-18 11:35
121,333	55,358	0,779	0,789	15823,414	16324,210	55,313	9,531	522,056	10,103	13,816	4,799	2017-09-18 11:35
121,500	55,351	0,779	0,790	15843,117	16327,094	40,418	9,774	522,056	10,261	13,882	4,810	2017-09-18 11:35
121,667	55,352	0,779	0,789	15850,671	16352,163	71,872	10,103	522,150	10,065	13,992	4,829	2017-09-18 11:35
121,833	55,351	0,779	0,789	15836,921	16317,079	62,484	10,064	522,056	9,876	13,981	4,827	2017-09-18 11:35
122,000	55,351	0,779	0,789	15835,353	16336,704	72,508	9,882	522,056	9,928	13,998	4,830	2017-09-18 11:36
122,167	55,352	0,778	0,790	15852,189	16323,720	71,799	9,902	522,056	9,600	13,937	4,820	2017-09-18 11:36
122,334	55,356	0,779	0,789	15856,705	16377,012	59,288	9,619	522,056	10,166	14,009	4,832	2017-09-18 11:36
122,500	55,362	0,779	0,790	15851,688	16355,580	80,475	9,546	522,056	10,273	14,053	4,840	2017-09-18 11:36
122,667	55,364	0,778	0,789	15850,233	16450,546	70,628	9,397	522,056	9,912	14,133	4,853	2017-09-18 11:36
122,834	55,368	0,779	0,789	15866,484	16353,608	52,804	9,386	521,964	9,938	14,036	4,837	2017-09-18 11:36
123,000	55,371	0,778	0,789	15875,712	16372,477	63,912	9,729	521,963	9,664	13,960	4,824	2017-09-18 11:37
123,167	55,374	0,778	0,788	15868,280	16463,485	55,730	9,455	521,964	10,099	14,126	4,852	2017-09-18 11:37
123,334	55,371	0,779	0,790	15926,320	16353,058	70,614	8,765	521,964	10,057	14,138	4,854	2017-09-18 11:37
123,500	55,367	0,779	0,789	15933,434	16432,691	101,130	8,786	521,964	10,106	14,019	4,834	2017-09-18 11:37
123,667	55,366	0,778	0,789	15902,961	16369,329	89,463	8,979	521,964	10,204	13,994	4,829	2017-09-18 11:37
123,834	55,364	0,778	0,789	15893,078	16259,791	60,382	9,787	521,964	9,888	14,035	4,837	2017-09-18 11:37
124,000	55,367	0,779	0,790	15905,560	16380,040	68,919	10,291	521,964	10,033	14,198	4,865	2017-09-18 11:38
124,167	55,371	0,778	0,789	15882,354	16449,063	71,497	10,350	521,964	10,030	14,113	4,850	2017-09-18 11:38
124,334	55,371	0,778	0,789	15880,557	16495,931	74,801	9,884	521,964	9,853	14,026	4,835	2017-09-18 11:38
124,500	55,374	0,779	0,789	15915,097	16484,400	63,321	9,790	521,821	9,948	14,025	4,835	2017-09-18 11:38
124,667	55,378	0,779	0,789	15934,460	16372,630	65,503	9,730	521,821	10,027	13,901	4,813	2017-09-18 11:38
124,834	55,379	0,778	0,788	15919,392	16443,846	83,654	9,615	521,821	9,999	13,786	4,793	2017-09-18 11:38
125,000	55,380	0,779	0,789	15923,456	16388,851	49,604	9,273	521,821	10,047	13,821	4,799	2017-09-18 11:39
125,167	55,380	0,779	0,790	15925,100	16436,141	66,358	9,511	521,821	10,181	14,087	4,846	2017-09-18 11:39
125,333	55,372	0,779	0,790	15930,277	16365,515	57,606	9,150	521,821	10,026	13,759	4,789	2017-09-18 11:39

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
125,500	0,209	0,573	0,583	0,250	0,347	91,682	19,039	20,129	21,640	21,489	20,151	20,266	20,710	19,870	78,200	59,888	72,970
125,667	0,212	0,580	0,583	0,255	0,349	91,728	19,045	16,763	21,649	21,498	20,147	20,278	20,706	19,876	78,304	59,879	72,979
125,833	0,205	0,584	0,583	0,253	0,347	91,654	19,089	19,354	21,677	21,490	20,165	20,270	20,722	19,878	78,307	59,867	72,973
126,000	0,209	0,596	0,583	0,250	0,345	91,588	19,098	25,383	21,662	21,493	20,156	20,274	20,712	19,874	78,307	59,846	72,974
126,167	0,207	0,596	0,583	0,253	0,351	91,628	19,140	22,880	21,668	21,489	20,161	20,268	20,714	19,876	78,375	59,834	72,960
126,333	0,205	0,595	0,583	0,250	0,347	91,629	19,150	19,948	21,662	21,487	20,152	20,279	20,723	19,874	78,359	59,819	72,947
126,500	0,209	0,593	0,583	0,252	0,349	91,740	19,160	17,926	21,664	21,487	20,152	20,268	20,703	19,872	78,292	59,810	72,940
126,667	0,204	0,592	0,583	0,245	0,348	91,743	19,145	14,449	21,654	21,473	20,148	20,280	20,715	19,870	78,319	59,807	72,965
126,833	0,203	0,598	0,583	0,253	0,350	91,725	19,149	19,406	21,651	21,487	20,151	20,268	20,725	19,873	78,361	59,810	72,977
127,000	0,206	0,605	0,583	0,253	0,354	91,738	19,134	15,175	21,648	21,491	20,168	20,271	20,727	19,873	78,332	59,812	72,969
127,167	0,204	0,589	0,583	0,253	0,347	91,681	19,119	18,296	21,634	21,486	20,151	20,280	20,731	19,873	78,504	59,816	72,996
127,333	0,204	0,573	0,583	0,254	0,348	91,648	19,092	13,040	21,657	21,495	20,174	20,288	20,725	19,874	78,367	59,818	72,997
127,500	0,207	0,573	0,583	0,254	0,351	91,601	19,092	10,867	21,657	21,495	20,159	20,280	20,734	19,872	78,308	59,823	73,008
127,667	0,208	0,563	0,583	0,252	0,345	91,592	19,098	8,397	21,656	21,481	20,170	20,275	20,729	19,877	78,251	59,820	73,019
127,833	0,210	0,542	0,583	0,254	0,350	91,600	19,075	4,660	21,649	21,499	20,160	20,284	20,731	19,876	78,359	59,811	73,037
128,000	0,213	0,528	0,582	0,255	0,347	91,592	19,078	6,928	21,644	21,495	20,161	20,274	20,729	19,873	78,218	59,800	73,006
128,167	0,211	0,535	0,582	0,247	0,344	91,602	19,115	10,662	21,640	21,495	20,186	20,274	20,739	19,881	77,996	59,791	72,994
128,333	0,214	0,540	0,582	0,257	0,349	91,575	19,147	11,559	21,644	21,474	20,187	20,292	20,742	19,873	78,242	59,779	72,960
128,500	0,214	0,538	0,582	0,254	0,350	91,586	19,115	22,721	21,639	21,491	20,172	20,279	20,738	19,876	78,208	59,784	72,896
128,667	0,210	0,542	0,582	0,254	0,350	91,516	19,150	18,126	21,645	21,477	20,161	20,284	20,740	19,877	78,092	59,776	72,892
128,834	0,212	0,544	0,582	0,257	0,345	91,545	19,126	17,769	21,662	21,493	20,161	20,298	20,736	19,878	78,015	59,761	72,886
129,000	0,212	0,551	0,582	0,253	0,352	91,575	19,151	17,987	21,657	21,510	20,188	20,293	20,752	19,882	78,008	59,765	72,854
129,167	0,210	0,572	0,582	0,253	0,348	91,578	19,138	20,557	21,670	21,519	20,173	20,296	20,749	19,880	78,084	59,761	72,821
129,334	0,207	0,590	0,582	0,251	0,351	91,701	19,130	22,140	21,666	21,498	20,190	20,292	20,750	19,880	78,003	59,760	72,815
129,500	0,205	0,610	0,582	0,246	0,350	91,713	19,125	24,125	21,656	21,518	20,177	20,284	20,761	19,884	78,180	59,749	72,805
129,667	0,205	0,620	0,582	0,249	0,350	91,744	19,140	19,391	21,642	21,511	20,187	20,270	20,762	19,880	78,296	59,748	72,792
129,834	0,203	0,627	0,582	0,250	0,349	91,671	19,196	19,827	21,643	21,508	20,169	20,280	20,753	19,878	78,366	59,741	72,817
130,000	0,203	0,618	0,582	0,257	0,351	91,679	19,159	25,501	21,636	21,495	20,168	20,270	20,757	19,870	78,270	59,741	72,848
130,167	0,209	0,591	0,582	0,251	0,348	91,645	19,198	3,648	21,455	21,498	20,174	20,280	20,750	19,878	78,278	59,744	72,921
130,334	0,208	0,578	0,582	0,249	0,350	91,653	19,209	11,258	-85,248	21,484	20,161	20,279	20,755	19,874	78,282	59,756	72,940
130,500	0,209	0,586	0,582	0,251	0,347	91,665	19,113	12,541	-34,826	21,523	20,173	20,293	20,762	19,882	78,383	59,769	72,935
130,667	0,214	0,593	0,582	0,244	0,347	91,667	19,142	15,684	-29,924	21,521	20,178	20,292	20,754	19,876	78,347	59,765	72,924
130,834	0,209	0,599	0,582	0,249	0,349	91,615	19,179	23,706	-26,590	21,511	20,182	20,280	20,763	19,880	78,282	59,761	72,938
131,000	0,208	0,604	0,581	0,252	0,353	91,628	19,201	25,951	-26,193	21,515	20,190	20,295	20,771	19,880	78,390	59,761	72,950
131,167	0,204	0,613	0,581	0,254	0,356	91,683	19,217	21,396	-21,950	21,516	20,182	20,276	20,757	19,878	78,393	59,769	72,956
131,334	0,207	0,603	0,581	0,248	0,348	91,663	19,192	24,631	-21,102	21,514	20,177	20,271	20,776	19,874	78,402	59,775	72,971

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
125,500	55,342	0,779	0,789	15934,590	16311,325	63,676	9,315	521,821	9,981	13,882	4,810	2017-09-18 11:39
125,667	55,309	0,778	0,789	15973,391	16395,198	82,751	9,488	521,821	10,194	13,976	4,826	2017-09-18 11:39
125,833	55,295	0,778	0,789	15975,914	16417,983	41,651	9,596	521,727	10,104	13,867	4,807	2017-09-18 11:39
126,000	55,287	0,779	0,790	16007,088	16447,408	63,898	9,895	521,727	10,009	13,788	4,794	2017-09-18 11:40
126,167	55,287	0,779	0,789	15977,031	16519,667	50,379	9,898	521,821	10,129	14,021	4,834	2017-09-18 11:40
126,333	55,291	0,778	0,789	15962,734	16501,767	39,980	9,874	521,727	10,006	13,866	4,807	2017-09-18 11:40
126,500	55,293	0,778	0,789	15960,225	16458,937	66,223	9,824	521,780	10,090	13,953	4,822	2017-09-18 11:40
126,667	55,295	0,778	0,789	15968,598	16483,129	35,783	9,807	521,727	9,781	13,938	4,820	2017-09-18 11:40
126,833	55,299	0,778	0,789	15978,172	16505,843	27,013	9,961	521,727	10,126	14,013	4,833	2017-09-18 11:40
127,000	55,300	0,778	0,788	15961,966	16488,658	45,438	10,132	521,727	10,124	14,152	4,857	2017-09-18 11:41
127,167	55,296	0,778	0,789	15994,210	16636,848	33,695	9,713	521,727	10,129	13,870	4,808	2017-09-18 11:41
127,333	55,280	0,779	0,788	16003,363	16524,323	31,534	9,325	521,727	10,170	13,930	4,818	2017-09-18 11:41
127,500	55,263	0,779	0,788	16030,271	16478,323	49,844	9,323	521,727	10,168	14,050	4,839	2017-09-18 11:41
127,667	55,248	0,779	0,789	16065,285	16414,830	55,705	9,069	521,727	10,075	13,784	4,793	2017-09-18 11:41
127,833	55,238	0,779	0,789	16102,166	16520,503	69,982	8,550	521,727	10,154	14,010	4,832	2017-09-18 11:41
128,000	55,237	0,778	0,790	16079,399	16396,338	91,763	8,204	521,634	10,213	13,882	4,810	2017-09-18 11:42
128,167	55,236	0,779	0,789	16055,238	16213,677	76,559	8,372	521,634	9,890	13,742	4,786	2017-09-18 11:42
128,333	55,237	0,779	0,789	16027,282	16452,649	95,981	8,495	521,634	10,265	13,978	4,827	2017-09-18 11:42
128,500	55,237	0,779	0,789	15971,460	16419,379	93,483	8,455	521,634	10,162	14,004	4,831	2017-09-18 11:42
128,667	55,238	0,779	0,789	15964,990	16318,859	69,405	8,544	521,634	10,169	13,992	4,829	2017-09-18 11:42
128,834	55,238	0,779	0,789	15955,328	16267,473	83,421	8,595	521,634	10,298	13,791	4,794	2017-09-18 11:42
129,000	55,242	0,779	0,789	15918,231	16253,890	85,728	8,778	521,634	10,111	14,065	4,842	2017-09-18 11:43
129,167	55,247	0,780	0,789	15898,204	16340,849	67,998	9,303	521,634	10,132	13,916	4,816	2017-09-18 11:43
129,334	55,245	0,779	0,790	15896,799	16247,467	50,501	9,755	521,634	10,020	14,033	4,836	2017-09-18 11:43
129,500	55,240	0,778	0,790	15895,648	16408,191	40,428	10,242	521,634	9,821	13,991	4,829	2017-09-18 11:43
129,667	55,233	0,778	0,788	15858,218	16510,540	41,130	10,501	521,540	9,964	13,992	4,829	2017-09-18 11:43
129,834	55,232	0,778	0,788	15882,319	16577,439	25,544	10,677	521,540	9,982	13,964	4,824	2017-09-18 11:43
130,000	55,229	0,779	0,789	15925,846	16501,591	29,932	10,446	521,540	10,269	14,038	4,837	2017-09-18 11:44
130,167	55,224	0,779	0,789	16000,221	16521,826	64,103	9,780	521,540	10,047	13,915	4,816	2017-09-18 11:44
130,334	55,222	0,779	0,789	16024,933	16519,826	55,942	9,444	521,540	9,941	14,004	4,831	2017-09-18 11:44
130,500	55,225	0,779	0,789	16009,004	16586,559	64,586	9,652	521,540	10,049	13,861	4,806	2017-09-18 11:44
130,667	55,228	0,779	0,789	15991,346	16559,954	92,625	9,835	521,540	9,774	13,898	4,813	2017-09-18 11:44
130,834	55,230	0,779	0,789	16003,997	16502,196	63,047	9,986	521,540	9,966	13,940	4,820	2017-09-18 11:44
131,000	55,234	0,778	0,789	16026,314	16586,266	59,329	10,110	521,446	10,061	14,123	4,852	2017-09-18 11:45
131,167	55,234	0,780	0,790	16036,258	16609,152	35,620	10,325	521,446	10,142	14,241	4,872	2017-09-18 11:45
131,334	55,232	0,780	0,790	16064,008	16622,321	49,365	10,084	521,446	9,931	13,905	4,814	2017-09-18 11:45

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
131,500	0,206	0,593	0,581	0,251	0,347	91,785	19,201	18,317	-19,789	21,535	20,182	20,297	20,778	19,890	78,417	59,784	72,986
131,667	0,205	0,588	0,581	0,254	0,346	91,825	19,209	22,971	-18,310	21,516	20,185	20,285	20,784	19,877	78,379	59,783	72,981
131,833	0,206	0,589	0,581	0,253	0,343	91,779	19,253	24,906	-16,228	21,533	20,195	20,291	20,784	19,886	78,316	59,784	73,014
132,000	0,207	0,592	0,581	0,255	0,348	91,764	19,248	25,717	-18,260	21,523	20,180	20,275	20,768	19,874	78,516	59,783	73,005
132,167	0,205	0,589	0,581	0,252	0,347	91,745	19,227	19,907	-16,588	21,510	20,185	20,277	20,778	19,873	78,470	59,781	73,000
132,333	0,210	0,588	0,581	0,253	0,350	91,757	19,214	8,873	-17,306	21,532	20,194	20,292	20,771	19,877	78,420	59,779	73,016
132,500	0,205	0,600	0,581	0,253	0,348	91,720	19,223	7,714	-16,975	21,519	20,173	20,274	20,770	19,876	78,437	59,783	73,033
132,667	0,206	0,592	0,581	0,256	0,347	91,718	19,228	11,464	-16,787	21,520	20,177	20,283	20,788	19,880	78,549	59,779	73,051
132,833	0,205	0,569	0,581	0,250	0,349	91,696	19,244	16,741	-14,308	21,540	20,193	20,292	20,791	19,886	78,455	59,788	73,044
133,000	0,208	0,562	0,581	0,250	0,348	91,672	19,217	73,559	-34,424	21,543	20,186	20,303	20,792	19,892	78,381	59,797	73,067
133,167	0,210	0,566	0,581	0,249	0,342	91,674	19,230	18,164	21,553	21,550	20,196	20,310	20,791	19,892	78,358	59,802	73,055
133,333	0,212	0,574	0,581	0,245	0,352	91,677	19,208	40,464	21,755	21,550	20,181	20,292	20,787	19,881	78,413	59,800	73,054
133,500	0,205	0,585	0,581	0,249	0,349	91,810	19,192	21,342	22,193	21,549	20,203	20,305	20,783	19,885	78,263	59,800	73,031
133,667	0,207	0,596	0,581	0,252	0,352	91,795	19,249	14,807	22,243	21,552	20,191	20,296	20,789	19,880	78,281	59,797	73,006
133,833	0,206	0,598	0,581	0,252	0,349	91,757	19,284	17,299	22,296	21,567	20,201	20,308	20,798	19,894	78,427	59,793	72,970
134,000	0,205	0,604	0,581	0,250	0,348	91,686	19,319	12,696	22,310	21,542	20,167	20,287	20,795	19,878	78,404	59,781	72,971
134,167	0,207	0,604	0,580	0,251	0,351	91,686	19,335	20,419	22,338	21,563	20,188	20,307	20,797	19,889	78,424	59,781	73,010
134,333	0,206	0,589	0,581	0,258	0,347	91,682	19,312	11,995	22,360	21,571	20,205	20,312	20,803	19,892	78,448	59,781	73,035
134,500	0,207	0,573	0,580	0,258	0,350	91,710	19,239	16,716	22,377	21,562	20,201	20,297	20,790	19,888	78,448	59,789	73,027
134,667	0,212	0,556	0,580	0,256	0,347	91,680	19,191	14,483	22,367	21,567	20,202	20,284	20,801	19,885	78,374	59,788	73,009
134,833	0,212	0,542	0,580	0,251	0,354	91,647	19,233	16,434	22,381	21,570	20,203	20,292	20,817	19,886	78,316	59,783	73,023
135,000	0,210	0,559	0,580	0,255	0,349	91,624	19,269	14,402	22,384	21,582	20,214	20,317	20,813	19,896	78,308	59,784	73,002
135,167	0,208	0,561	0,580	0,256	0,356	91,649	19,200	6,812	22,382	21,566	20,189	20,288	20,805	19,885	78,292	59,784	72,967
135,333	0,207	0,565	0,580	0,251	0,347	91,557	19,175	12,268	22,372	21,571	20,193	20,297	20,787	19,877	78,270	59,780	72,965
135,500	0,212	0,562	0,580	0,251	0,347	91,529	19,155	23,849	22,356	21,570	20,194	20,297	20,804	19,877	78,267	59,780	72,940
135,667	0,212	0,545	0,579	0,247	0,348	91,496	19,208	17,409	22,338	21,578	20,204	20,292	20,804	19,878	78,189	59,769	72,939
135,834	0,216	0,541	0,580	0,250	0,349	91,432	19,256	24,621	22,339	21,565	20,201	20,293	20,810	19,877	78,215	59,777	72,938
136,000	0,212	0,541	0,580	0,250	0,346	91,493	19,286	22,680	22,349	21,598	20,211	20,322	20,824	19,900	78,153	59,780	72,909
136,167	0,217	0,536	0,580	0,252	0,347	91,487	19,343	25,329	22,366	21,623	20,225	20,340	20,839	19,922	77,986	59,773	72,897
136,334	0,217	0,527	0,580	0,245	0,349	91,446	19,327	24,740	22,345	21,595	20,187	20,313	20,824	19,896	77,995	59,765	72,874
136,500	0,219	0,521	0,579	0,258	0,342	91,501	19,323	11,615	22,318	21,589	20,201	20,301	20,812	19,880	78,000	59,761	72,813
136,667	0,217	0,548	0,579	0,253	0,346	91,499	19,350	11,116	22,334	21,609	20,219	20,322	20,826	19,896	78,004	59,756	72,754
136,834	0,208	0,580	0,579	0,252	0,349	91,539	19,326	19,064	22,293	21,589	20,177	20,289	20,815	19,876	78,002	59,741	72,716
137,000	0,206	0,603	0,579	0,255	0,347	91,519	19,382	22,608	22,298	21,589	20,218	20,290	20,829	19,886	77,964	59,730	72,712
137,167	0,207	0,608	0,579	0,252	0,346	91,472	19,350	10,769	22,298	21,591	20,219	20,295	20,826	19,889	78,014	59,737	72,726
137,334	0,208	0,579	0,579	0,249	0,346	91,425	19,299	9,409	22,268	21,589	20,211	20,291	20,826	19,881	78,069	59,724	72,720

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
131,500	55,233	0,778	0,789	16050,331	16593,765	44,601	9,832	521,446	10,040	13,888	4,811	2017-09-18 11:45
131,667	55,225	0,779	0,789	16059,178	16563,925	40,675	9,692	521,447	10,142	13,855	4,805	2017-09-18 11:45
131,833	55,222	0,778	0,789	16092,505	16499,935	47,551	9,715	521,446	10,109	13,739	4,785	2017-09-18 11:45
132,000	55,212	0,779	0,790	16098,527	16697,422	54,809	9,812	521,446	10,186	13,921	4,817	2017-09-18 11:46
132,167	55,212	0,779	0,789	16088,817	16656,682	39,191	9,728	521,446	10,071	13,896	4,812	2017-09-18 11:46
132,333	55,213	0,780	0,789	16099,369	16627,408	69,450	9,712	521,447	10,109	14,002	4,831	2017-09-18 11:46
132,500	55,210	0,779	0,789	16118,987	16627,571	39,546	9,988	521,353	10,139	13,937	4,820	2017-09-18 11:46
132,667	55,213	0,780	0,790	16149,477	16751,442	44,198	9,801	521,353	10,229	13,882	4,810	2017-09-18 11:46
132,833	55,217	0,779	0,790	16136,795	16639,705	42,329	9,220	521,353	10,009	13,963	4,824	2017-09-18 11:46
133,000	55,217	0,780	0,790	16149,879	16575,547	56,981	9,048	521,353	10,011	13,920	4,817	2017-09-18 11:47
133,167	55,217	0,780	0,790	16141,773	16558,333	68,752	9,147	521,353	9,964	13,662	4,772	2017-09-18 11:47
133,333	55,218	0,779	0,790	16155,711	16596,769	83,022	9,353	521,353	9,790	14,098	4,847	2017-09-18 11:47
133,500	55,217	0,779	0,789	16106,915	16451,614	36,436	9,632	521,353	9,946	13,973	4,826	2017-09-18 11:47
133,667	55,217	0,779	0,789	16087,149	16461,476	54,243	9,891	521,353	10,069	14,070	4,843	2017-09-18 11:47
133,833	55,216	0,779	0,789	16048,981	16595,054	47,124	9,962	521,353	10,098	13,976	4,826	2017-09-18 11:47
134,000	55,213	0,779	0,788	16040,187	16589,782	40,411	10,106	521,353	9,991	13,910	4,815	2017-09-18 11:48
134,167	55,217	0,778	0,789	16078,004	16594,265	51,946	10,101	521,260	10,048	14,033	4,836	2017-09-18 11:48
134,333	55,217	0,779	0,789	16110,586	16628,169	44,198	9,728	521,353	10,326	13,876	4,809	2017-09-18 11:48
134,500	55,214	0,779	0,789	16095,094	16624,555	54,031	9,328	521,260	10,328	14,003	4,831	2017-09-18 11:48
134,667	55,216	0,779	0,789	16084,411	16552,959	83,956	8,911	521,260	10,240	13,891	4,812	2017-09-18 11:48
134,833	55,220	0,778	0,788	16080,462	16488,016	85,506	8,555	521,260	10,051	14,163	4,859	2017-09-18 11:48
135,000	55,220	0,778	0,788	16066,950	16496,302	72,352	8,976	521,260	10,216	13,978	4,827	2017-09-18 11:49
135,167	55,217	0,779	0,789	16052,983	16500,232	60,330	9,031	521,260	10,252	14,249	4,873	2017-09-18 11:49
135,333	55,218	0,779	0,789	16048,378	16482,307	53,357	9,134	521,260	10,022	13,899	4,813	2017-09-18 11:49
135,500	55,228	0,779	0,790	16026,415	16480,868	80,687	9,062	521,260	10,048	13,881	4,810	2017-09-18 11:49
135,667	55,229	0,780	0,789	16019,165	16433,772	83,060	8,629	521,117	9,867	13,916	4,816	2017-09-18 11:49
135,834	55,232	0,778	0,789	16006,299	16416,724	109,646	8,528	521,260	10,003	13,961	4,824	2017-09-18 11:49
136,000	55,234	0,779	0,789	15972,118	16365,827	82,980	8,515	521,260	10,012	13,858	4,806	2017-09-18 11:50
136,167	55,233	0,780	0,789	15973,495	16240,399	113,913	8,403	521,260	10,086	13,895	4,812	2017-09-18 11:50
136,334	55,232	0,779	0,790	15974,601	16244,779	116,814	8,183	521,260	9,784	13,942	4,820	2017-09-18 11:50
136,500	55,236	0,779	0,790	15912,996	16246,434	123,635	8,016	521,115	10,337	13,681	4,775	2017-09-18 11:50
136,667	55,238	0,778	0,790	15854,174	16244,524	113,579	8,699	521,115	10,133	13,837	4,802	2017-09-18 11:50
136,834	55,238	0,779	0,789	15801,341	16271,254	57,432	9,497	521,115	10,086	13,977	4,827	2017-09-18 11:50
137,000	55,238	0,779	0,790	15816,258	16248,169	48,364	10,077	521,115	10,181	13,900	4,813	2017-09-18 11:51
137,167	55,236	0,779	0,790	15829,672	16278,913	52,933	10,198	521,115	10,067	13,834	4,802	2017-09-18 11:51
137,334	55,237	0,779	0,789	15812,515	16349,747	55,309	9,482	521,115	9,948	13,844	4,803	2017-09-18 11:51

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
137,500	0,209	0,569	0,579	0,258	0,347	91,404	19,321	7,470	22,273	21,592	20,186	20,293	20,825	19,885	77,903	59,729	72,740
137,667	0,211	0,557	0,579	0,256	0,348	91,433	19,341	11,366	22,278	21,590	20,216	20,305	20,821	19,890	77,844	59,729	72,744
137,834	0,213	0,548	0,579	0,252	0,347	91,462	19,336	12,748	22,268	21,601	20,202	20,318	20,820	19,890	77,967	59,732	72,720
138,000	0,211	0,551	0,579	0,251	0,353	91,449	19,328	10,778	22,249	21,583	20,202	20,292	20,831	19,882	77,994	59,750	72,665
138,167	0,207	0,569	0,579	0,249	0,347	91,395	19,336	17,354	22,249	21,600	20,206	20,310	20,820	19,884	77,977	59,761	72,673
138,334	0,213	0,578	0,579	0,255	0,346	91,490	19,276	7,472	22,253	21,593	20,218	20,305	20,852	19,888	77,940	59,785	72,699
138,500	0,207	0,576	0,579	0,250	0,352	91,505	19,291	11,353	22,242	21,607	20,209	20,318	20,822	19,889	77,921	59,800	72,693
138,667	0,204	0,595	0,579	0,258	0,351	91,552	19,285	18,916	22,242	21,603	20,195	20,317	20,850	19,888	78,057	59,811	72,696
138,833	0,206	0,610	0,579	0,251	0,347	91,613	19,285	23,999	22,230	21,603	20,224	20,316	20,845	19,894	78,146	59,811	72,677
139,000	0,207	0,603	0,579	0,242	0,353	91,594	19,214	24,264	22,216	21,599	20,212	20,316	20,837	19,889	78,147	59,816	72,728
139,167	0,208	0,593	0,579	0,255	0,350	91,633	19,221	20,813	22,218	21,608	20,215	20,321	20,852	19,893	78,127	59,820	72,788
139,333	0,207	0,579	0,579	0,253	0,349	91,651	19,256	17,611	22,195	21,604	20,209	20,312	20,846	19,886	78,134	59,831	72,811
139,500	0,205	0,582	0,578	0,248	0,343	91,708	19,273	18,245	22,183	21,610	20,214	20,317	20,839	19,890	77,953	59,842	72,813
139,667	0,206	0,604	0,578	0,250	0,345	91,793	19,281	14,160	22,193	21,608	20,202	20,316	20,848	19,892	78,166	59,850	72,813
139,833	0,205	0,619	0,578	0,252	0,348	91,853	19,276	22,887	22,183	21,610	20,226	20,313	20,841	19,888	78,239	59,851	72,790
140,000	0,204	0,620	0,578	0,255	0,343	91,932	19,226	21,322	22,166	21,599	20,214	20,326	20,841	19,890	78,303	59,854	72,817
140,167	0,205	0,610	0,578	0,255	0,348	91,929	19,145	23,422	22,165	21,608	20,210	20,317	20,854	19,885	78,338	59,859	72,858
140,333	0,204	0,606	0,578	0,259	0,347	91,966	19,157	26,186	22,155	21,592	20,206	20,313	20,850	19,885	78,431	59,873	72,902
140,500	0,205	0,597	0,578	0,259	0,347	92,041	19,214	19,229	22,161	21,610	20,218	20,324	20,851	19,890	78,331	59,886	72,952
140,667	0,205	0,597	0,578	0,259	0,348	92,048	19,230	11,568	22,150	21,604	20,224	20,344	20,877	19,892	78,369	59,904	73,009
140,833	0,205	0,602	0,578	0,249	0,355	92,073	19,197	22,655	22,142	21,599	20,207	20,316	20,851	19,886	78,347	59,917	73,025
141,000	0,207	0,572	0,578	0,254	0,346	92,086	19,166	26,552	22,128	21,604	20,222	20,321	20,855	19,882	78,518	59,925	73,033
141,167	0,208	0,556	0,578	0,258	0,351	92,167	19,187	22,661	22,131	21,625	20,237	20,325	20,867	19,893	78,462	59,936	73,041
141,333	0,212	0,549	0,578	0,253	0,351	92,226	19,246	21,663	22,139	21,622	20,244	20,349	20,875	19,901	78,435	59,941	73,087
141,500	0,208	0,567	0,578	0,256	0,350	92,174	19,280	16,732	22,140	21,630	20,235	20,335	20,869	19,896	78,396	59,944	73,086
141,667	0,209	0,572	0,578	0,254	0,346	92,257	19,187	7,939	22,128	21,622	20,216	20,335	20,861	19,889	78,447	59,953	73,064
141,833	0,210	0,570	0,578	0,259	0,352	92,310	19,198	14,500	22,121	21,634	20,227	20,334	20,888	19,902	78,366	59,956	73,059
142,000	0,206	0,570	0,578	0,257	0,349	92,318	19,158	20,095	22,114	21,621	20,212	20,322	20,863	19,886	78,452	59,956	73,081
142,167	0,210	0,578	0,578	0,244	0,354	92,315	19,174	22,736	22,110	21,621	20,231	20,325	20,871	19,889	78,526	59,961	73,089
142,333	0,205	0,599	0,578	0,252	0,349	92,339	19,208	25,209	22,116	21,625	20,219	20,327	20,861	19,892	78,516	59,965	73,108
142,500	0,205	0,606	0,578	0,255	0,351	92,465	19,252	21,721	22,113	21,631	20,230	20,342	20,876	19,894	78,532	59,976	73,132
142,667	0,208	0,573	0,577	0,257	0,352	92,425	19,271	21,778	22,102	21,620	20,237	20,334	20,886	19,898	78,594	59,978	73,120
142,834	0,211	0,543	0,577	0,253	0,345	92,367	19,256	11,014	22,092	21,625	20,235	20,339	20,880	19,894	78,504	59,967	73,144
143,000	0,213	0,546	0,577	0,261	0,346	92,343	19,276	15,136	22,089	21,617	20,234	20,335	20,881	19,896	78,432	59,964	73,160
143,167	0,209	0,566	0,577	0,253	0,354	92,338	19,290	15,183	22,094	21,638	20,216	20,341	20,880	19,893	78,356	59,959	73,141
143,334	0,207	0,574	0,577	0,250	0,353	92,370	19,275	16,497	22,097	21,630	20,240	20,337	20,877	19,894	78,427	59,960	73,114

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
137,500	55,248	0,779	0,789	15813,208	16193,933	62,224	9,229	521,115	10,301	13,867	4,807	2017-09-18 11:51
137,667	55,293	0,779	0,789	15774,462	16136,189	76,820	8,936	521,115	10,228	13,916	4,816	2017-09-18 11:51
137,834	55,328	0,779	0,789	15729,189	16255,839	86,923	8,707	521,115	10,086	13,897	4,813	2017-09-18 11:51
138,000	55,350	0,778	0,789	15650,836	16235,863	77,129	8,775	521,115	10,057	14,114	4,850	2017-09-18 11:52
138,167	55,356	0,779	0,789	15662,343	16223,718	49,688	9,213	521,115	9,952	13,860	4,806	2017-09-18 11:52
138,334	55,366	0,779	0,790	15687,969	16184,701	87,215	9,443	521,021	10,183	13,834	4,802	2017-09-18 11:52
138,500	55,367	0,780	0,790	15690,880	16166,444	52,790	9,388	521,021	10,000	14,095	4,847	2017-09-18 11:52
138,667	55,372	0,779	0,790	15684,386	16260,045	35,290	9,876	521,022	10,338	14,034	4,836	2017-09-18 11:52
138,833	55,371	0,779	0,790	15668,470	16338,183	47,805	10,262	521,021	10,027	13,887	4,811	2017-09-18 11:52
139,000	55,368	0,779	0,789	15696,477	16342,710	49,035	10,078	521,022	9,689	14,138	4,854	2017-09-18 11:53
139,167	55,372	0,778	0,789	15751,307	16296,024	56,991	9,830	521,022	10,218	14,008	4,832	2017-09-18 11:53
139,333	55,378	0,779	0,790	15770,957	16310,534	51,765	9,481	521,022	10,112	13,965	4,824	2017-09-18 11:53
139,500	55,382	0,779	0,789	15767,558	16132,206	40,063	9,548	520,927	9,925	13,729	4,783	2017-09-18 11:53
139,667	55,388	0,779	0,789	15756,119	16316,021	48,395	10,092	520,927	9,996	13,799	4,796	2017-09-18 11:53
139,833	55,392	0,778	0,789	15735,751	16371,020	37,888	10,477	520,928	10,090	13,935	4,819	2017-09-18 11:53
140,000	55,398	0,778	0,789	15751,228	16426,100	31,471	10,511	520,927	10,207	13,734	4,784	2017-09-18 11:54
140,167	55,405	0,779	0,790	15790,595	16462,993	41,241	10,253	520,927	10,194	13,926	4,818	2017-09-18 11:54
140,333	55,410	0,779	0,790	15828,922	16544,845	33,709	10,154	520,927	10,345	13,885	4,811	2017-09-18 11:54
140,500	55,413	0,780	0,790	15868,897	16448,498	41,026	9,937	520,927	10,353	13,867	4,807	2017-09-18 11:54
140,667	55,410	0,778	0,790	15921,432	16437,749	39,824	9,935	520,927	10,359	13,912	4,815	2017-09-18 11:54
140,833	55,414	0,778	0,789	15918,835	16406,804	38,545	10,050	520,927	9,979	14,186	4,862	2017-09-18 11:54
141,000	55,411	0,780	0,790	15942,221	16579,603	51,526	9,291	520,867	10,163	13,832	4,801	2017-09-18 11:55
141,167	55,418	0,779	0,790	15946,320	16498,672	60,525	8,907	520,927	10,309	14,038	4,837	2017-09-18 11:55
141,333	55,421	0,779	0,789	15977,509	16479,926	81,055	8,732	520,835	10,133	14,029	4,835	2017-09-18 11:55
141,500	55,421	0,778	0,789	15975,028	16430,820	60,834	9,181	520,835	10,223	13,984	4,828	2017-09-18 11:55
141,667	55,427	0,779	0,789	15936,968	16468,413	63,492	9,310	520,927	10,147	13,828	4,801	2017-09-18 11:55
141,833	55,433	0,779	0,789	15944,679	16405,217	67,852	9,262	520,835	10,344	14,096	4,847	2017-09-18 11:55
142,000	55,435	0,779	0,789	15957,005	16470,805	46,925	9,239	520,835	10,276	13,966	4,825	2017-09-18 11:56
142,167	55,431	0,779	0,789	15963,883	16534,442	68,568	9,447	520,835	9,773	14,142	4,855	2017-09-18 11:56
142,333	55,414	0,779	0,789	16000,679	16534,351	40,717	9,975	520,834	10,061	13,976	4,826	2017-09-18 11:56
142,500	55,398	0,779	0,789	16041,458	16541,800	36,440	10,145	520,834	10,188	14,027	4,835	2017-09-18 11:56
142,667	55,390	0,779	0,790	16046,445	16594,630	58,266	9,329	520,739	10,293	14,065	4,842	2017-09-18 11:56
142,834	55,392	0,780	0,789	16053,547	16531,822	77,136	8,563	520,739	10,129	13,816	4,799	2017-09-18 11:56
143,000	55,391	0,779	0,789	16067,844	16449,111	90,360	8,660	520,740	10,453	13,826	4,800	2017-09-18 11:57
143,167	55,392	0,778	0,789	16054,942	16373,866	65,281	9,148	520,739	10,104	14,152	4,857	2017-09-18 11:57
143,334	55,399	0,779	0,789	16015,126	16453,146	50,848	9,361	520,739	9,996	14,112	4,850	2017-09-18 11:57

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
143,500	0,208	0,597	0,577	0,250	0,346	92,503	19,280	19,591	22,088	21,612	20,216	20,342	20,880	19,893	78,587	59,951	73,117
143,667	0,205	0,606	0,577	0,255	0,346	92,443	19,294	13,415	22,067	21,621	20,235	20,338	20,882	19,896	78,591	59,945	73,110
143,834	0,208	0,594	0,577	0,259	0,348	92,457	19,260	8,212	22,071	21,631	20,239	20,348	20,894	19,898	78,637	59,944	73,135
144,000	0,210	0,590	0,577	0,260	0,350	92,452	19,230	9,432	22,058	21,634	20,232	20,349	20,898	19,900	78,579	59,949	73,168
144,167	0,209	0,593	0,577	0,249	0,351	92,458	19,254	6,118	22,047	21,622	20,237	20,347	20,898	19,896	78,505	59,960	73,194
144,334	0,206	0,595	0,577	0,254	0,347	92,480	19,248	9,922	22,057	21,639	20,227	20,333	20,897	19,893	78,603	59,964	73,206
144,500	0,206	0,596	0,577	0,248	0,346	92,439	19,268	20,574	22,048	21,628	20,236	20,351	20,890	19,902	78,653	59,970	73,167
144,667	0,209	0,592	0,577	0,253	0,355	92,505	19,264	17,519	22,065	21,633	20,256	20,358	20,906	19,909	78,633	59,965	73,178
144,834	0,206	0,595	0,577	0,251	0,348	92,496	19,244	11,543	22,020	21,618	20,233	20,340	20,876	19,889	78,634	59,961	73,206
145,000	0,205	0,594	0,577	0,249	0,357	92,512	19,375	22,669	22,036	21,629	20,247	20,358	20,918	19,901	78,729	59,967	73,199
145,167	0,206	0,593	0,576	0,252	0,349	92,481	19,322	23,886	22,029	21,633	20,239	20,350	20,885	19,896	78,575	59,968	73,222
145,333	0,206	0,598	0,576	0,254	0,352	92,520	19,289	22,790	22,024	21,643	20,233	20,348	20,901	19,894	78,744	59,965	73,244
145,500	0,205	0,582	0,576	0,258	0,355	92,572	19,297	18,456	22,008	21,645	20,245	20,342	20,919	19,900	78,783	59,968	73,247
145,667	0,205	0,587	0,576	0,256	0,351	92,585	19,276	23,342	22,011	21,641	20,241	20,350	20,915	19,897	78,668	59,979	73,248
145,833	0,209	0,584	0,576	0,253	0,349	92,681	19,221	23,438	22,035	21,634	20,249	20,345	20,910	19,902	78,826	59,979	73,283
146,000	0,208	0,564	0,576	0,253	0,356	92,660	19,232	20,453	22,019	21,655	20,259	20,355	20,918	19,904	78,904	59,967	73,289
146,167	0,212	0,554	0,576	0,258	0,355	92,622	19,292	20,194	22,027	21,650	20,251	20,360	20,923	19,901	78,718	59,960	73,294
146,333	0,211	0,562	0,576	0,252	0,350	92,658	19,285	19,583	22,016	21,649	20,251	20,368	20,901	19,902	78,679	59,953	73,324
146,500	0,208	0,577	0,576	0,258	0,345	92,636	19,298	12,980	22,018	21,654	20,262	20,338	20,910	19,897	78,698	59,951	73,312
146,667	0,208	0,596	0,576	0,258	0,347	92,636	19,285	9,532	22,010	21,655	20,256	20,356	20,926	19,904	78,788	59,952	73,268
146,833	0,205	0,610	0,576	0,258	0,347	92,566	19,259	4,667	22,011	21,637	20,243	20,339	20,927	19,896	78,741	59,939	73,279
147,000	0,208	0,592	0,576	0,259	0,344	92,586	19,262	6,072	22,002	21,630	20,261	20,369	20,909	19,901	78,856	59,927	73,291
147,167	0,207	0,580	0,576	0,255	0,344	92,624	19,255	5,477	21,991	21,637	20,248	20,343	20,894	19,892	78,837	59,928	73,326
147,333	0,213	0,568	0,576	0,250	0,346	92,601	19,247	7,253	21,989	21,638	20,254	20,342	20,912	19,893	78,950	59,932	73,348
147,500	0,212	0,565	0,576	0,253	0,346	92,674	19,192	5,656	21,976	21,664	20,254	20,358	20,914	19,897	78,870	59,943	73,357
147,667	0,214	0,557	0,576	0,252	0,346	92,667	19,246	7,496	21,972	21,662	20,257	20,364	20,918	19,901	78,758	59,951	73,374
147,833	0,209	0,555	0,576	0,252	0,345	92,641	19,226	9,738	21,970	21,656	20,240	20,359	20,928	19,893	78,669	59,945	73,352
148,000	0,210	0,559	0,576	0,256	0,351	92,691	19,259	9,054	21,994	21,650	20,257	20,355	20,932	19,897	78,663	59,940	73,295
148,167	0,214	0,558	0,576	0,257	0,350	92,717	19,243	8,514	21,971	21,654	20,266	20,350	20,923	19,896	78,674	59,920	73,258
148,333	0,211	0,555	0,575	0,251	0,347	92,699	19,225	3,617	21,967	21,656	20,240	20,362	20,916	19,897	78,502	59,902	73,232
148,500	0,211	0,557	0,576	0,256	0,349	92,742	19,259	7,889	21,961	21,672	20,253	20,354	20,926	19,898	78,557	59,890	73,206
148,667	0,212	0,577	0,575	0,252	0,349	92,684	19,301	8,161	21,990	21,687	20,253	20,363	20,945	19,910	78,594	59,883	73,183
148,833	0,209	0,596	0,575	0,251	0,352	92,611	19,275	7,742	22,002	21,676	20,283	20,372	20,938	19,910	78,652	59,877	73,172
149,000	0,207	0,601	0,575	0,248	0,353	92,547	19,277	11,192	21,955	21,664	20,264	20,376	20,928	19,901	78,682	59,873	73,181
149,167	0,211	0,599	0,575	0,254	0,347	92,597	19,321	17,689	22,003	21,696	20,289	20,398	20,973	19,941	78,768	59,877	73,213
149,334	0,206	0,599	0,575	0,260	0,351	92,622	19,292	18,150	21,963	21,667	20,270	20,374	20,957	19,910	78,769	59,883	73,229

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
143,500	55,399	0,778	0,789	16013,737	16591,655	59,844	9,915	520,739	10,010	13,846	4,804	2017-09-18 11:57
143,667	55,405	0,778	0,789	16006,878	16583,256	39,178	10,159	520,740	10,192	13,859	4,806	2017-09-18 11:57
143,834	55,410	0,778	0,788	16008,372	16631,596	58,263	9,846	520,646	10,342	13,927	4,818	2017-09-18 11:57
144,000	55,413	0,778	0,789	16050,852	16568,828	70,625	9,741	520,646	10,416	13,995	4,830	2017-09-18 11:58
144,167	55,410	0,778	0,791	16109,507	16500,628	63,099	9,823	520,646	9,946	14,042	4,838	2017-09-18 11:58
144,334	55,402	0,778	0,791	16129,125	16594,011	42,951	9,871	520,646	10,173	13,861	4,806	2017-09-18 11:58
144,500	55,398	0,778	0,791	16098,892	16636,688	46,550	9,907	520,646	9,912	13,839	4,803	2017-09-18 11:58
144,667	55,399	0,779	0,791	16119,945	16641,764	62,001	9,808	520,646	10,122	14,195	4,864	2017-09-18 11:58
144,834	55,399	0,779	0,790	16125,177	16629,385	47,773	9,870	520,646	10,043	13,926	4,818	2017-09-18 11:58
145,000	55,400	0,779	0,791	16130,968	16713,108	42,301	9,849	520,646	9,963	14,277	4,878	2017-09-18 11:59
145,167	55,402	0,778	0,790	16137,400	16562,502	45,251	9,835	520,552	10,086	13,956	4,823	2017-09-18 11:59
145,333	55,406	0,778	0,790	16149,819	16715,598	47,832	9,941	520,552	10,156	14,072	4,843	2017-09-18 11:59
145,500	55,400	0,778	0,790	16156,818	16749,044	37,044	9,557	520,552	10,335	14,183	4,862	2017-09-18 11:59
145,667	55,370	0,778	0,790	16188,743	16622,573	37,711	9,681	520,552	10,233	14,046	4,838	2017-09-18 11:59
145,833	55,348	0,777	0,791	16250,765	16752,841	61,602	9,601	520,552	10,118	13,968	4,825	2017-09-18 11:59
146,000	55,339	0,779	0,790	16240,663	16865,209	57,828	9,093	520,552	10,124	14,241	4,872	2017-09-18 12:00
146,167	55,335	0,778	0,790	16262,454	16698,880	82,153	8,859	520,552	10,320	14,205	4,866	2017-09-18 12:00
146,333	55,331	0,779	0,792	16323,834	16684,292	76,684	9,044	520,552	10,093	14,007	4,832	2017-09-18 12:00
146,500	55,324	0,778	0,790	16290,424	16687,631	60,747	9,426	520,552	10,325	13,815	4,798	2017-09-18 12:00
146,667	55,323	0,779	0,791	16259,267	16778,046	57,877	9,897	520,552	10,326	13,871	4,808	2017-09-18 12:00
146,833	55,323	0,777	0,791	16267,428	16721,005	39,574	10,251	520,552	10,319	13,886	4,811	2017-09-18 12:00
147,000	55,324	0,778	0,791	16278,527	16836,674	60,188	9,795	520,552	10,358	13,773	4,791	2017-09-18 12:01
147,167	55,325	0,778	0,791	16323,746	16827,031	51,522	9,490	520,459	10,206	13,760	4,789	2017-09-18 12:01
147,333	55,327	0,778	0,791	16327,531	16930,817	91,576	9,210	520,460	10,000	13,853	4,805	2017-09-18 12:01
147,500	55,316	0,779	0,790	16328,038	16866,624	85,155	9,126	520,460	10,112	13,833	4,802	2017-09-18 12:01
147,667	55,304	0,779	0,790	16361,175	16751,084	97,045	8,925	520,460	10,100	13,853	4,805	2017-09-18 12:01
147,833	55,293	0,777	0,790	16347,483	16651,285	63,287	8,879	520,459	10,079	13,791	4,794	2017-09-18 12:01
148,000	55,284	0,778	0,790	16312,743	16659,725	72,240	8,970	520,460	10,255	14,033	4,836	2017-09-18 12:02
148,167	55,284	0,778	0,791	16291,070	16688,431	95,144	8,946	520,460	10,263	14,002	4,831	2017-09-18 12:02
148,333	55,283	0,779	0,791	16269,005	16564,614	78,595	8,878	520,318	10,035	13,894	4,812	2017-09-18 12:02
148,500	55,281	0,778	0,791	16240,811	16619,872	75,020	8,927	520,459	10,229	13,955	4,823	2017-09-18 12:02
148,667	55,280	0,778	0,790	16217,029	16640,799	82,591	9,413	520,316	10,084	13,971	4,826	2017-09-18 12:02
148,833	55,275	0,778	0,791	16215,012	16709,499	62,911	9,904	520,316	10,055	14,096	4,847	2017-09-18 12:02
149,000	55,276	0,778	0,790	16213,099	16739,203	54,694	10,027	520,317	9,936	14,130	4,853	2017-09-18 12:03
149,167	55,279	0,778	0,790	16227,114	16817,931	74,607	9,986	520,317	10,171	13,861	4,806	2017-09-18 12:03
149,334	55,273	0,778	0,790	16255,994	16817,176	43,979	9,970	520,316	10,414	14,044	4,838	2017-09-18 12:03

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
149,500	0,209	0,579	0,575	0,257	0,345	92,574	19,310	23,764	21,955	21,676	20,263	20,381	20,943	19,916	78,617	59,886	73,271
149,667	0,210	0,549	0,575	0,248	0,349	92,570	19,299	23,585	21,928	21,654	20,268	20,366	20,933	19,901	78,404	59,886	73,255
149,834	0,211	0,561	0,575	0,257	0,353	92,605	19,271	9,555	21,925	21,658	20,278	20,356	20,945	19,901	78,424	59,882	73,224
150,000	0,207	0,573	0,575	0,250	0,350	92,569	19,272	5,162	21,946	21,675	20,277	20,360	20,961	19,906	78,548	59,882	73,171
150,167	0,208	0,572	0,575	0,254	0,346	92,569	19,278	11,034	21,944	21,698	20,265	20,388	20,959	19,922	78,557	59,870	73,116
150,334	0,210	0,572	0,575	0,254	0,350	92,538	19,289	9,817	21,930	21,679	20,272	20,370	20,957	19,910	78,548	59,854	73,132
150,500	0,208	0,580	0,575	0,252	0,348	92,509	19,316	18,305	21,953	21,691	20,294	20,378	20,973	19,921	78,698	59,845	73,155
150,667	0,207	0,577	0,575	0,251	0,349	92,446	19,302	23,486	21,934	21,679	20,283	20,383	20,945	19,914	78,614	59,847	73,149
150,834	0,211	0,575	0,575	0,253	0,348	92,467	19,249	25,022	21,929	21,666	20,248	20,370	20,962	19,906	78,679	59,842	73,171
151,000	0,209	0,571	0,575	0,253	0,348	92,475	19,230	24,794	21,935	21,681	20,275	20,375	20,953	19,905	78,598	59,845	73,170
151,167	0,209	0,572	0,575	0,253	0,348	92,450	19,276	22,972	21,924	21,671	20,277	20,380	20,956	19,904	78,575	59,851	73,155
151,334	0,207	0,589	0,575	0,255	0,350	92,434	19,301	19,774	21,935	21,669	20,272	20,367	20,958	19,902	78,740	59,845	73,132
151,500	0,207	0,607	0,575	0,250	0,344	92,460	19,294	23,008	21,928	21,673	20,274	20,376	20,966	19,902	78,575	59,839	73,133
151,667	0,206	0,613	0,575	0,247	0,345	92,508	19,263	24,805	21,913	21,672	20,279	20,380	20,965	19,908	78,764	59,840	73,189
151,834	0,205	0,603	0,574	0,254	0,353	92,484	19,259	17,559	21,923	21,689	20,280	20,389	20,970	19,914	78,590	59,845	73,198
152,000	0,208	0,602	0,574	0,264	0,348	92,432	19,307	17,489	21,900	21,672	20,251	20,358	20,954	19,897	78,682	59,845	73,229
152,167	0,210	0,585	0,574	0,251	0,354	92,377	19,316	22,137	21,900	21,673	20,262	20,373	20,962	19,898	78,664	59,846	73,201
152,333	0,213	0,558	0,575	0,250	0,350	92,457	19,204	7,174	21,891	21,673	20,268	20,368	20,973	19,898	78,665	59,847	73,212
152,500	0,215	0,555	0,574	0,257	0,349	92,474	19,251	9,451	21,891	21,681	20,289	20,362	20,967	19,902	78,672	59,843	73,206
152,667	0,211	0,570	0,574	0,252	0,350	92,536	19,285	22,635	21,903	21,675	20,281	20,367	20,967	19,901	78,653	59,839	73,198
152,833	0,209	0,578	0,574	0,250	0,350	92,547	19,279	26,776	21,903	21,673	20,277	20,376	20,973	19,904	78,544	59,838	73,176
153,000	0,208	0,574	0,574	0,253	0,345	92,507	19,260	25,004	21,905	21,681	20,272	20,377	20,970	19,904	78,615	59,838	73,162
153,167	0,206	0,596	0,574	0,250	0,348	92,582	19,286	23,318	21,888	21,672	20,255	20,371	20,966	19,901	78,522	59,831	73,144
153,333	0,207	0,597	0,574	0,252	0,351	92,593	19,298	22,590	21,879	21,675	20,275	20,384	20,984	19,905	78,517	59,827	73,147
153,500	0,209	0,572	0,574	0,255	0,344	92,621	19,301	23,635	21,879	21,692	20,274	20,377	20,984	19,905	78,648	59,823	73,149
153,667	0,209	0,563	0,574	0,255	0,342	92,595	19,299	25,621	21,878	21,672	20,277	20,381	20,974	19,902	78,540	59,823	73,145
153,833	0,213	0,567	0,574	0,256	0,350	92,646	19,326	19,662	21,890	21,679	20,292	20,379	20,982	19,905	78,587	59,827	73,166
154,000	0,207	0,581	0,574	0,252	0,345	92,631	19,349	22,649	21,879	21,683	20,278	20,384	20,979	19,906	78,595	59,822	73,148
154,167	0,207	0,596	0,574	0,259	0,351	92,604	19,340	25,174	21,885	21,660	20,273	20,377	20,987	19,904	78,602	59,823	73,136
154,333	0,211	0,586	0,574	0,250	0,344	92,504	19,347	25,291	21,891	21,685	20,296	20,384	20,977	19,902	78,653	59,814	73,117
154,500	0,216	0,558	0,574	0,253	0,349	92,546	19,347	24,841	21,888	21,680	20,295	20,388	20,986	19,901	78,606	59,807	73,129
154,667	0,214	0,555	0,574	0,252	0,349	92,519	19,262	27,108	21,886	21,689	20,266	20,383	20,983	19,902	78,607	59,799	73,155
154,833	0,211	0,577	0,574	0,257	0,351	92,477	19,233	19,718	21,886	21,684	20,273	20,376	20,988	19,902	78,597	59,804	73,160
155,000	0,209	0,593	0,574	0,249	0,345	92,485	19,276	8,415	21,877	21,679	20,289	20,385	20,990	19,905	78,713	59,810	73,137
155,167	0,209	0,598	0,574	0,254	0,352	92,489	19,293	8,437	21,872	21,685	20,278	20,385	20,977	19,904	78,699	59,814	73,145
155,333	0,208	0,591	0,573	0,247	0,348	92,527	19,255	12,752	21,881	21,685	20,299	20,370	20,980	19,904	78,665	59,808	73,172

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
149,500	55,268	0,778	0,791	16326,114	16676,395	62,849	9,466	520,316	10,285	13,782	4,793	2017-09-18 12:03
149,667	55,260	0,778	0,791	16309,358	16484,702	72,268	8,721	520,316	9,937	13,976	4,826	2017-09-18 12:03
149,834	55,260	0,778	0,790	16268,230	16507,682	79,648	9,021	520,317	10,285	14,134	4,854	2017-09-18 12:03
150,000	55,256	0,778	0,790	16218,009	16602,812	54,733	9,325	520,316	10,004	13,999	4,830	2017-09-18 12:04
150,167	55,252	0,778	0,790	16177,624	16621,744	56,783	9,289	520,317	10,172	13,843	4,803	2017-09-18 12:04
150,334	55,248	0,778	0,790	16195,960	16634,430	71,236	9,303	520,316	10,143	13,998	4,830	2017-09-18 12:04
150,500	55,249	0,778	0,790	16208,147	16777,997	59,725	9,491	520,223	10,087	13,921	4,817	2017-09-18 12:04
150,667	55,249	0,777	0,790	16205,516	16684,736	50,476	9,429	520,223	10,053	13,973	4,826	2017-09-18 12:04
150,834	55,252	0,778	0,790	16228,134	16771,591	75,437	9,369	520,222	10,113	13,903	4,814	2017-09-18 12:04
151,000	55,251	0,778	0,790	16226,516	16693,996	65,007	9,284	520,222	10,113	13,913	4,815	2017-09-18 12:05
151,167	55,253	0,778	0,791	16222,204	16667,518	62,873	9,307	520,223	10,105	13,927	4,818	2017-09-18 12:05
151,334	55,248	0,778	0,790	16191,132	16812,604	50,702	9,732	520,223	10,208	14,001	4,831	2017-09-18 12:05
151,500	55,245	0,778	0,790	16203,523	16667,751	51,032	10,164	520,223	9,991	13,747	4,787	2017-09-18 12:05
151,667	55,242	0,778	0,790	16248,731	16845,922	47,752	10,328	520,223	9,897	13,789	4,794	2017-09-18 12:05
151,834	55,236	0,778	0,790	16264,375	16678,800	40,227	10,075	520,129	10,175	14,112	4,850	2017-09-18 12:05
152,000	55,230	0,778	0,790	16292,231	16760,554	60,163	10,051	520,129	10,557	13,938	4,820	2017-09-18 12:06
152,167	55,225	0,778	0,791	16287,312	16740,051	67,519	9,619	520,129	10,031	14,178	4,861	2017-09-18 12:06
152,333	55,221	0,778	0,791	16306,895	16753,058	87,083	8,942	520,223	10,010	14,016	4,833	2017-09-18 12:06
152,500	55,224	0,778	0,790	16284,017	16757,362	101,433	8,879	520,129	10,298	13,975	4,826	2017-09-18 12:06
152,667	55,225	0,778	0,790	16265,422	16740,486	74,485	9,246	520,129	10,070	14,001	4,831	2017-09-18 12:06
152,833	55,228	0,778	0,790	16256,000	16637,341	65,378	9,450	520,129	9,996	13,983	4,828	2017-09-18 12:06
153,000	55,228	0,778	0,790	16233,804	16702,712	59,086	9,355	520,121	10,115	13,808	4,797	2017-09-18 12:07
153,167	55,228	0,778	0,790	16225,308	16638,728	43,760	9,890	520,129	9,981	13,905	4,814	2017-09-18 12:07
153,333	55,226	0,777	0,790	16227,717	16615,014	51,547	9,914	520,035	10,063	14,033	4,836	2017-09-18 12:07
153,500	55,225	0,778	0,791	16251,086	16752,831	67,050	9,290	520,129	10,190	13,747	4,787	2017-09-18 12:07
153,667	55,221	0,778	0,791	16245,565	16661,597	61,167	9,072	520,130	10,204	13,676	4,774	2017-09-18 12:07
153,833	55,220	0,778	0,791	16270,349	16685,443	91,159	9,176	520,035	10,229	13,995	4,830	2017-09-18 12:07
154,000	55,214	0,778	0,790	16242,829	16707,138	53,430	9,523	520,035	10,092	13,784	4,793	2017-09-18 12:08
154,167	55,208	0,778	0,790	16232,439	16711,610	52,700	9,911	520,035	10,350	14,024	4,835	2017-09-18 12:08
154,333	55,209	0,778	0,790	16210,547	16764,776	73,971	9,644	520,035	10,012	13,771	4,791	2017-09-18 12:08
154,500	55,204	0,777	0,791	16240,320	16712,381	109,928	8,946	520,035	10,102	13,956	4,823	2017-09-18 12:08
154,667	55,204	0,778	0,791	16271,341	16746,112	96,200	8,867	520,035	10,066	13,951	4,822	2017-09-18 12:08
154,833	55,205	0,779	0,791	16267,615	16740,003	78,317	9,430	520,035	10,279	14,055	4,840	2017-09-18 12:08
155,000	55,206	0,779	0,790	16236,172	16835,668	65,170	9,834	520,035	9,977	13,808	4,797	2017-09-18 12:09
155,167	55,210	0,778	0,791	16247,933	16815,003	63,075	9,945	520,035	10,143	14,064	4,841	2017-09-18 12:09
155,333	55,224	0,778	0,790	16252,116	16778,707	55,518	9,787	519,941	9,899	13,917	4,816	2017-09-18 12:09

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
155,500	0,208	0,599	0,573	0,255	0,352	92,569	19,324	13,138	21,876	21,684	20,282	20,387	20,988	19,906	78,709	59,811	73,181
155,667	0,208	0,613	0,573	0,252	0,352	92,653	19,335	14,566	21,859	21,675	20,282	20,377	20,996	19,906	78,727	59,823	73,181
155,833	0,208	0,604	0,573	0,259	0,348	92,713	19,362	13,162	21,869	21,685	20,286	20,392	20,986	19,906	78,756	59,831	73,189
156,000	0,207	0,603	0,574	0,246	0,354	92,714	19,373	11,956	21,859	21,699	20,293	20,389	20,998	19,909	78,651	59,850	73,208
156,167	0,206	0,590	0,573	0,252	0,347	92,676	19,382	12,593	21,852	21,697	20,293	20,405	21,003	19,909	78,741	59,862	73,218
156,334	0,208	0,592	0,573	0,256	0,357	92,650	19,377	16,080	21,857	21,685	20,302	20,397	21,011	19,912	78,698	59,873	73,221
156,500	0,206	0,574	0,573	0,256	0,351	92,583	19,372	9,569	21,868	21,689	20,307	20,397	20,999	19,909	78,638	59,869	73,233
156,667	0,206	0,556	0,573	0,258	0,353	92,648	19,360	8,579	21,872	21,683	20,290	20,396	21,001	19,906	78,676	59,870	73,218
156,834	0,209	0,565	0,573	0,250	0,350	92,602	19,386	6,529	21,860	21,689	20,286	20,398	21,003	19,909	78,633	59,878	73,198
157,000	0,205	0,588	0,573	0,253	0,353	92,636	19,374	12,430	21,855	21,697	20,291	20,388	21,005	19,906	78,713	59,877	73,186
157,167	0,207	0,604	0,573	0,260	0,344	92,683	19,331	21,679	21,859	21,701	20,283	20,393	21,007	19,906	78,649	59,871	73,197
157,334	0,205	0,608	0,573	0,255	0,351	92,642	19,317	16,337	21,864	21,693	20,293	20,401	21,017	19,906	78,760	59,866	73,202
157,500	0,205	0,605	0,573	0,252	0,347	92,767	19,355	11,208	21,859	21,700	20,298	20,394	21,005	19,912	78,744	59,873	73,186
157,667	0,206	0,610	0,573	0,256	0,348	92,812	19,296	11,875	21,851	21,696	20,298	20,409	21,015	19,910	78,816	59,879	73,218
157,834	0,203	0,612	0,573	0,251	0,351	92,830	19,326	20,200	21,873	21,694	20,294	20,402	21,013	19,910	78,860	59,883	73,256
158,000	0,206	0,616	0,573	0,252	0,353	92,843	19,348	22,242	21,873	21,701	20,300	20,402	21,020	19,912	78,868	59,900	73,275
158,167	0,204	0,611	0,572	0,252	0,348	92,840	19,392	15,430	21,878	21,690	20,303	20,396	21,030	19,912	78,982	59,916	73,307
158,334	0,204	0,606	0,572	0,251	0,343	92,864	19,403	13,300	21,869	21,700	20,312	20,402	21,019	19,914	78,962	59,925	73,356
158,500	0,205	0,586	0,572	0,250	0,355	92,826	19,399	20,499	21,848	21,697	20,291	20,410	21,028	19,913	78,999	59,935	73,374
158,667	0,207	0,561	0,572	0,247	0,351	92,832	19,382	20,567	21,864	21,694	20,303	20,408	21,016	19,913	79,032	59,937	73,398
158,834	0,212	0,531	0,572	0,250	0,347	92,802	19,390	15,133	21,872	21,709	20,287	20,404	21,024	19,914	78,734	59,943	73,415
159,000	0,219	0,520	0,572	0,249	0,346	92,762	19,394	20,442	21,869	21,705	20,320	20,401	21,039	19,913	78,562	59,944	73,428
159,167	0,206	0,543	0,572	0,253	0,348	92,707	19,402	22,232	21,861	21,714	20,316	20,405	21,026	19,916	78,590	59,956	73,351
159,333	0,207	0,570	0,572	0,258	0,347	92,660	19,372	22,753	21,855	21,705	20,316	20,412	21,036	19,918	78,595	59,957	73,260
159,500	0,207	0,580	0,572	0,247	0,348	92,625	19,365	19,112	21,856	21,684	20,301	20,418	21,034	19,916	78,647	59,941	73,232
159,667	0,209	0,559	0,572	0,259	0,348	92,535	19,355	15,177	21,843	21,692	20,311	20,404	21,038	19,914	78,557	59,931	73,216
159,833	0,212	0,543	0,571	0,252	0,351	92,490	19,306	17,445	21,865	21,710	20,320	20,419	21,042	19,917	78,490	59,933	73,195
160,000	0,208	0,551	0,572	0,260	0,353	92,440	19,359	15,848	21,861	21,711	20,327	20,427	21,040	19,920	78,458	59,933	73,162
160,167	0,209	0,560	0,572	0,253	0,350	92,341	19,387	10,067	21,861	21,704	20,297	20,425	21,049	19,916	78,464	59,931	73,148
160,333	0,212	0,564	0,571	0,248	0,346	92,341	19,334	8,082	21,847	21,701	20,318	20,430	21,047	19,920	78,536	59,933	73,124
160,500	0,208	0,585	0,571	0,251	0,348	92,346	19,352	10,029	21,860	21,713	20,325	20,417	21,045	19,920	78,347	59,928	73,105
160,667	0,207	0,586	0,571	0,258	0,347	92,274	19,366	11,301	21,850	21,710	20,320	20,398	21,054	19,917	78,450	59,924	73,075
160,833	0,209	0,584	0,571	0,252	0,348	92,256	19,389	15,169	21,844	21,715	20,327	20,406	21,066	19,920	78,462	59,918	73,070
161,000	0,210	0,555	0,571	0,256	0,353	92,309	19,403	19,704	21,842	21,714	20,323	20,427	21,049	19,918	78,410	59,916	73,068
161,167	0,215	0,552	0,571	0,251	0,349	92,371	19,414	11,085	21,851	21,731	20,323	20,427	21,045	19,918	78,381	59,908	73,090
161,333	0,207	0,575	0,571	0,252	0,349	92,336	19,406	11,908	21,850	21,727	20,324	20,421	21,076	19,921	78,394	59,916	73,075

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
155,500	55,251	0,778	0,790	16237,607	16824,140	55,309	9,969	519,941	10,218	14,072	4,843	2017-09-18 12:09
155,667	55,268	0,778	0,791	16228,486	16829,149	59,079	10,328	519,941	10,084	14,084	4,845	2017-09-18 12:09
155,833	55,276	0,778	0,790	16215,269	16834,721	54,913	10,108	519,941	10,374	13,918	4,816	2017-09-18 12:09
156,000	55,275	0,778	0,790	16233,626	16729,413	50,271	10,067	520,035	9,836	14,178	4,861	2017-09-18 12:10
156,167	55,276	0,778	0,791	16263,114	16799,209	47,353	9,754	519,941	10,089	13,865	4,807	2017-09-18 12:10
156,334	55,273	0,778	0,790	16248,715	16752,643	56,553	9,804	519,941	10,238	14,284	4,879	2017-09-18 12:10
156,500	55,275	0,777	0,790	16254,283	16687,063	45,925	9,351	519,941	10,259	14,024	4,835	2017-09-18 12:10
156,667	55,272	0,778	0,790	16252,324	16747,496	47,728	8,909	519,848	10,314	14,103	4,848	2017-09-18 12:10
156,834	55,268	0,779	0,791	16259,890	16704,748	66,851	9,118	519,848	10,010	14,000	4,830	2017-09-18 12:10
157,000	55,268	0,778	0,791	16242,085	16772,606	41,644	9,708	519,941	10,113	14,116	4,850	2017-09-18 12:11
157,167	55,273	0,779	0,790	16231,842	16730,548	52,172	10,107	519,848	10,384	13,776	4,792	2017-09-18 12:11
157,334	55,292	0,779	0,791	16236,069	16835,072	38,121	10,190	519,848	10,218	14,059	4,841	2017-09-18 12:11
157,500	55,308	0,778	0,790	16191,209	16801,214	39,594	10,126	519,848	10,077	13,888	4,811	2017-09-18 12:11
157,667	55,319	0,778	0,790	16209,861	16844,377	43,972	10,242	519,848	10,235	13,920	4,817	2017-09-18 12:11
157,834	55,324	0,778	0,790	16236,336	16878,884	25,947	10,299	519,848	10,030	14,039	4,837	2017-09-18 12:11
158,000	55,324	0,779	0,791	16276,762	16894,460	43,343	10,401	519,848	10,094	14,131	4,853	2017-09-18 12:12
158,167	55,324	0,778	0,791	16294,846	16961,006	30,999	10,279	519,760	10,068	13,928	4,818	2017-09-18 12:12
158,334	55,325	0,779	0,791	16337,399	16957,115	32,451	10,152	519,755	10,039	13,729	4,783	2017-09-18 12:12
158,500	55,327	0,779	0,790	16335,526	16980,161	39,243	9,658	519,755	10,005	14,187	4,863	2017-09-18 12:12
158,667	55,328	0,778	0,790	16361,208	16983,129	54,806	9,032	519,755	9,889	14,026	4,835	2017-09-18 12:12
158,834	55,331	0,777	0,790	16362,965	16706,047	82,090	8,270	519,755	10,008	13,896	4,813	2017-09-18 12:12
159,000	55,331	0,777	0,790	16382,115	16538,250	124,830	8,004	519,754	9,972	13,840	4,803	2017-09-18 12:13
159,167	55,343	0,778	0,790	16301,036	16581,290	47,999	8,573	519,755	10,124	13,924	4,817	2017-09-18 12:13
159,333	55,354	0,778	0,791	16223,770	16590,549	54,437	9,252	519,755	10,339	13,869	4,808	2017-09-18 12:13
159,500	55,363	0,777	0,790	16174,997	16634,486	53,815	9,504	519,755	9,873	13,910	4,815	2017-09-18 12:13
159,667	55,372	0,777	0,789	16136,344	16552,948	65,656	8,983	519,755	10,371	13,934	4,819	2017-09-18 12:13
159,833	55,372	0,777	0,790	16135,015	16489,514	85,395	8,568	519,652	10,097	14,024	4,835	2017-09-18 12:13
160,000	55,375	0,778	0,790	16105,474	16474,809	60,330	8,785	519,755	10,397	14,119	4,851	2017-09-18 12:14
160,167	55,378	0,777	0,791	16099,752	16481,934	61,536	8,988	519,755	10,115	14,006	4,831	2017-09-18 12:14
160,333	55,380	0,778	0,790	16056,410	16560,668	80,683	9,091	519,615	9,925	13,838	4,802	2017-09-18 12:14
160,500	55,386	0,778	0,791	16057,066	16383,737	58,895	9,624	519,615	10,032	13,918	4,816	2017-09-18 12:14
160,667	55,379	0,777	0,791	16041,655	16473,767	49,003	9,642	519,614	10,339	13,891	4,812	2017-09-18 12:14
160,833	55,376	0,778	0,790	16024,840	16493,007	62,241	9,596	519,615	10,082	13,916	4,816	2017-09-18 12:14
161,000	55,379	0,778	0,791	16030,108	16451,058	72,289	8,874	519,614	10,238	14,134	4,854	2017-09-18 12:15
161,167	55,383	0,777	0,791	16039,979	16423,061	98,858	8,797	519,615	10,046	13,952	4,822	2017-09-18 12:15
161,333	55,392	0,778	0,790	16008,718	16435,333	49,253	9,384	519,615	10,078	13,963	4,824	2017-09-18 12:15

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
161,500	0,207	0,596	0,571	0,247	0,350	92,374	19,419	18,459	21,843	21,718	20,325	20,418	21,046	19,920	78,379	59,917	73,032
161,667	0,206	0,604	0,571	0,256	0,348	92,451	19,419	11,985	21,842	21,734	20,333	20,421	21,063	19,924	78,610	59,912	73,017
161,833	0,205	0,611	0,571	0,252	0,349	92,416	19,397	18,518	21,834	21,721	20,318	20,429	21,033	19,921	78,537	59,906	73,050
162,000	0,208	0,598	0,571	0,252	0,354	92,391	19,420	16,755	21,835	21,717	20,339	20,434	21,063	19,924	78,325	59,918	73,100
162,167	0,212	0,570	0,571	0,250	0,346	92,377	19,425	7,994	21,851	21,725	20,324	20,427	21,062	19,922	78,483	59,936	73,108
162,333	0,213	0,544	0,571	0,251	0,352	92,384	19,412	9,034	21,839	21,734	20,332	20,429	21,071	19,926	78,467	59,951	73,120
162,500	0,211	0,562	0,571	0,252	0,349	92,387	19,437	13,589	21,834	21,743	20,319	20,423	21,066	19,926	78,344	59,963	73,093
162,667	0,206	0,602	0,571	0,251	0,346	92,429	19,406	15,281	21,836	21,739	20,336	20,426	21,063	19,929	78,501	59,960	73,089
162,834	0,207	0,618	0,571	0,247	0,348	92,449	19,389	14,492	21,817	21,717	20,348	20,438	21,070	19,926	78,502	59,961	73,067
163,000	0,206	0,620	0,571	0,258	0,350	92,463	19,410	11,136	21,856	21,726	20,340	20,440	21,079	19,927	78,522	59,951	73,082
163,167	0,204	0,610	0,571	0,258	0,355	92,435	19,377	13,116	21,834	21,739	20,349	20,442	21,072	19,927	78,599	59,949	73,112
163,334	0,207	0,597	0,571	0,245	0,350	92,383	19,404	19,905	21,824	21,735	20,333	20,431	21,064	19,925	78,692	59,953	73,127
163,500	0,208	0,594	0,571	0,244	0,346	92,302	19,407	22,959	21,842	21,744	20,331	20,435	21,068	19,925	78,636	59,955	73,178
163,667	0,205	0,593	0,570	0,247	0,349	92,332	19,429	15,898	21,825	21,722	20,343	20,434	21,075	19,927	78,567	59,941	73,190
163,834	0,209	0,593	0,570	0,247	0,346	92,264	19,423	14,200	21,829	21,728	20,339	20,436	21,067	19,924	78,688	59,940	73,198
164,000	0,209	0,570	0,570	0,251	0,351	92,225	19,416	11,378	21,833	21,721	20,333	20,443	21,080	19,927	78,663	59,940	73,212
164,167	0,208	0,547	0,570	0,250	0,353	92,242	19,422	22,083	21,826	21,735	20,340	20,437	21,097	19,926	78,431	59,932	73,221
164,334	0,216	0,524	0,570	0,251	0,351	92,316	19,391	17,734	21,837	21,723	20,353	20,447	21,084	19,927	78,471	59,936	73,217
164,500	0,218	0,518	0,570	0,260	0,345	92,318	19,411	23,549	21,847	21,731	20,345	20,437	21,092	19,929	78,400	59,931	73,158
164,667	0,213	0,530	0,570	0,254	0,350	92,286	19,408	13,918	21,828	21,752	20,353	20,431	21,078	19,929	78,410	59,925	73,116
164,834	0,209	0,555	0,570	0,255	0,348	92,374	19,372	18,466	21,836	21,744	20,335	20,443	21,093	19,929	78,273	59,916	73,071
165,000	0,207	0,569	0,570	0,249	0,343	92,378	19,424	21,375	21,836	21,746	20,352	20,442	21,085	19,931	78,351	59,910	73,037
165,167	0,207	0,574	0,570	0,255	0,348	92,396	19,397	14,177	21,832	21,733	20,331	20,446	21,101	19,930	78,402	59,897	73,025
165,334	0,209	0,580	0,570	0,255	0,351	92,348	19,422	14,931	21,826	21,736	20,347	20,444	21,082	19,931	78,328	59,888	73,019
165,500	0,209	0,561	0,570	0,247	0,348	92,298	19,429	17,125	21,820	21,746	20,361	20,442	21,095	19,933	78,336	59,881	73,014
165,667	0,214	0,557	0,570	0,255	0,350	92,351	19,439	19,294	21,830	21,750	20,341	20,450	21,100	19,933	78,219	59,866	72,998
165,833	0,208	0,566	0,570	0,252	0,350	92,486	19,414	11,929	21,829	21,746	20,354	20,455	21,093	19,931	78,324	59,862	72,992
166,000	0,208	0,588	0,570	0,258	0,351	92,492	19,399	21,697	21,832	21,756	20,330	20,442	21,093	19,933	78,377	59,857	72,975
166,167	0,206	0,618	0,570	0,252	0,353	92,491	19,367	23,913	21,830	21,748	20,360	20,442	21,103	19,937	78,375	59,854	72,970
166,333	0,204	0,601	0,570	0,249	0,349	92,503	19,371	13,647	21,830	21,744	20,351	20,455	21,092	19,937	78,432	59,845	72,982
166,500	0,206	0,572	0,570	0,256	0,348	92,536	19,410	24,912	21,842	21,746	20,351	20,459	21,106	19,941	78,443	59,845	73,009
166,667	0,206	0,581	0,570	0,252	0,352	92,468	19,428	19,424	21,827	21,747	20,362	20,458	21,118	19,942	78,393	59,855	73,035
166,833	0,212	0,571	0,570	0,254	0,345	92,403	19,440	13,610	21,823	21,748	20,372	20,459	21,104	19,939	78,270	59,857	73,021
167,000	0,210	0,555	0,570	0,254	0,352	92,386	19,450	21,742	21,836	21,752	20,373	20,449	21,113	19,937	78,343	59,854	73,029
167,167	0,210	0,559	0,570	0,246	0,342	92,398	19,466	19,100	21,824	21,759	20,370	20,454	21,117	19,939	78,305	59,850	72,989
167,333	0,208	0,572	0,569	0,251	0,351	92,345	19,460	13,178	21,818	21,750	20,365	20,459	21,118	19,939	78,394	59,843	72,962

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
161,500	55,402	0,777	0,790	15962,253	16418,297	49,382	9,904	519,615	9,880	14,009	4,832	2017-09-18 12:15
161,667	55,410	0,777	0,790	15930,366	16615,646	48,117	10,091	519,614	10,255	13,921	4,817	2017-09-18 12:15
161,833	55,419	0,777	0,789	15945,770	16557,931	36,864	10,287	519,615	10,063	13,965	4,824	2017-09-18 12:15
162,000	55,423	0,777	0,790	15999,142	16364,148	57,074	9,946	519,521	10,072	14,141	4,855	2017-09-18 12:16
162,167	55,429	0,778	0,791	16016,528	16501,793	80,016	9,246	519,521	10,007	13,845	4,804	2017-09-18 12:16
162,333	55,431	0,778	0,790	16017,480	16488,549	86,917	8,600	519,521	10,030	14,096	4,847	2017-09-18 12:16
162,500	55,435	0,778	0,790	15984,557	16347,682	76,493	9,051	519,521	10,083	13,950	4,822	2017-09-18 12:16
162,667	55,433	0,778	0,790	15980,480	16490,448	46,762	10,061	519,521	10,039	13,859	4,806	2017-09-18 12:16
162,834	55,423	0,777	0,790	15973,521	16485,324	49,702	10,448	519,521	9,897	13,924	4,817	2017-09-18 12:16
163,000	55,425	0,776	0,790	15981,678	16494,458	42,735	10,507	519,521	10,307	14,019	4,834	2017-09-18 12:17
163,167	55,398	0,778	0,791	16056,318	16593,461	35,178	10,239	519,521	10,302	14,196	4,864	2017-09-18 12:17
163,334	55,374	0,778	0,791	16083,842	16685,707	48,930	9,937	519,521	9,810	14,003	4,831	2017-09-18 12:17
163,500	55,363	0,778	0,790	16131,175	16615,456	56,699	9,855	519,562	9,745	13,831	4,801	2017-09-18 12:17
163,667	55,354	0,778	0,790	16140,805	16566,565	37,555	9,825	519,427	9,863	13,951	4,822	2017-09-18 12:17
163,834	55,354	0,778	0,790	16154,235	16676,898	64,166	9,835	519,427	9,861	13,841	4,803	2017-09-18 12:17
164,000	55,356	0,777	0,789	16150,211	16645,130	65,156	9,252	519,427	10,034	14,049	4,839	2017-09-18 12:18
164,167	55,358	0,777	0,789	16153,377	16431,020	58,989	8,667	519,427	9,988	14,120	4,851	2017-09-18 12:18
164,334	55,362	0,777	0,789	16144,751	16466,030	106,099	8,102	519,427	10,052	14,035	4,837	2017-09-18 12:18
164,500	55,358	0,776	0,789	16101,347	16397,116	120,726	7,947	519,427	10,395	13,816	4,799	2017-09-18 12:18
164,667	55,358	0,777	0,790	16065,687	16426,902	89,029	8,248	519,427	10,144	13,983	4,828	2017-09-18 12:18
164,834	55,352	0,777	0,790	16031,815	16314,520	61,185	8,878	519,427	10,190	13,903	4,814	2017-09-18 12:18
165,000	55,340	0,776	0,789	15997,876	16378,180	49,872	9,220	519,427	9,978	13,729	4,784	2017-09-18 12:19
165,167	55,325	0,777	0,790	16014,342	16441,069	54,045	9,359	519,427	10,188	13,934	4,819	2017-09-18 12:19
165,334	55,317	0,777	0,790	16017,136	16394,276	62,025	9,501	519,427	10,182	14,028	4,835	2017-09-18 12:19
165,500	55,313	0,777	0,790	16018,085	16405,871	64,975	9,013	519,334	9,887	13,923	4,817	2017-09-18 12:19
165,667	55,311	0,777	0,790	16008,395	16314,641	95,273	8,922	519,334	10,212	14,001	4,831	2017-09-18 12:19
165,833	55,312	0,777	0,789	15989,928	16408,329	59,076	9,139	519,334	10,091	14,007	4,832	2017-09-18 12:19
166,000	55,311	0,776	0,789	15960,857	16449,165	58,871	9,691	519,334	10,308	14,056	4,840	2017-09-18 12:20
166,167	55,312	0,777	0,789	15970,356	16453,325	44,000	10,458	519,334	10,064	14,104	4,848	2017-09-18 12:20
166,333	55,313	0,777	0,790	15987,437	16523,667	35,488	10,029	519,334	9,969	13,966	4,825	2017-09-18 12:20
166,500	55,313	0,778	0,790	16017,001	16549,095	46,119	9,291	519,334	10,228	13,938	4,820	2017-09-18 12:20
166,667	55,308	0,777	0,790	16055,679	16479,541	43,576	9,518	519,334	10,092	14,089	4,846	2017-09-18 12:20
166,833	55,303	0,777	0,789	16027,597	16372,626	80,690	9,266	519,334	10,174	13,787	4,794	2017-09-18 12:20
167,000	55,297	0,776	0,789	16026,065	16412,738	71,667	8,866	519,334	10,147	14,078	4,844	2017-09-18 12:21
167,167	55,293	0,777	0,789	15991,481	16399,433	69,371	8,981	519,334	9,826	13,694	4,777	2017-09-18 12:21
167,333	55,287	0,777	0,789	15985,877	16493,902	60,333	9,300	519,239	10,056	14,055	4,840	2017-09-18 12:21

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
167,500	0,211	0,574	0,569	0,249	0,353	92,368	19,479	15,777	21,831	21,763	20,362	20,451	21,112	19,941	78,319	59,835	72,943
167,667	0,210	0,577	0,569	0,247	0,346	92,335	19,487	17,175	21,831	21,763	20,378	20,471	21,130	19,949	78,361	59,828	72,956
167,833	0,209	0,575	0,569	0,251	0,348	92,297	19,511	15,523	21,852	21,781	20,390	20,480	21,129	19,958	78,201	59,827	72,936
168,000	0,204	0,591	0,569	0,245	0,347	92,324	19,452	16,316	21,850	21,775	20,385	20,462	21,128	19,951	78,257	59,820	72,952
168,167	0,206	0,582	0,569	0,253	0,348	92,295	19,474	12,611	21,854	21,786	20,374	20,475	21,121	19,949	78,296	59,822	72,944
168,333	0,208	0,595	0,569	0,258	0,351	92,354	19,465	12,741	21,825	21,760	20,370	20,463	21,122	19,943	78,362	59,816	72,951
168,500	0,206	0,607	0,569	0,253	0,349	92,304	19,478	19,796	21,820	21,777	20,381	20,480	21,130	19,947	78,394	59,820	72,935
168,667	0,209	0,614	0,569	0,260	0,349	92,326	19,507	24,355	21,845	21,766	20,376	20,474	21,133	19,951	78,514	59,819	72,966
168,833	0,204	0,621	0,569	0,245	0,352	92,300	19,496	14,939	21,840	21,776	20,378	20,471	21,122	19,951	78,576	59,818	72,983
169,000	0,204	0,614	0,569	0,247	0,354	92,317	19,469	20,416	21,849	21,758	20,364	20,466	21,130	19,942	78,678	59,820	73,027
169,167	0,206	0,597	0,569	0,252	0,351	92,258	19,490	12,811	21,831	21,768	20,372	20,462	21,133	19,946	78,579	59,826	73,073
169,333	0,206	0,585	0,569	0,255	0,350	92,261	19,494	24,890	21,837	21,776	20,368	20,477	21,128	19,950	78,640	59,835	73,110
169,500	0,205	0,592	0,569	0,246	0,349	92,173	19,477	25,427	21,839	21,775	20,395	20,474	21,148	19,949	78,472	59,838	73,122
169,667	0,207	0,592	0,569	0,251	0,349	92,116	19,418	25,750	21,845	21,797	20,385	20,480	21,143	19,957	78,464	59,840	73,124
169,834	0,210	0,580	0,569	0,244	0,349	92,096	19,449	27,242	21,840	21,789	20,385	20,472	21,130	19,953	78,568	59,843	73,105
170,000	0,209	0,579	0,569	0,255	0,352	92,092	19,457	25,980	21,832	21,776	20,386	20,481	21,141	19,954	78,466	59,839	73,079
170,167	0,212	0,564	0,569	0,251	0,351	92,111	19,493	20,813	21,840	21,792	20,380	20,478	21,150	19,959	78,481	59,831	73,075
170,334	0,210	0,559	0,568	0,250	0,350	92,092	19,487	17,095	21,835	21,784	20,381	20,483	21,145	19,953	78,447	59,824	73,060
170,500	0,207	0,578	0,568	0,250	0,347	92,024	19,498	18,874	21,844	21,794	20,387	20,468	21,155	19,953	78,532	59,819	73,055
170,667	0,206	0,585	0,569	0,249	0,348	91,977	19,499	15,712	21,847	21,788	20,401	20,489	21,162	19,955	78,540	59,820	73,037
170,834	0,207	0,578	0,568	0,248	0,348	91,973	19,529	19,601	21,833	21,771	20,393	20,475	21,138	19,953	78,499	59,827	73,037
171,000	0,209	0,563	0,568	0,257	0,354	91,963	19,557	19,529	21,841	21,790	20,389	20,495	21,147	19,953	78,498	59,835	73,054
171,167	0,209	0,555	0,568	0,250	0,346	91,972	19,549	16,591	21,841	21,784	20,384	20,481	21,152	19,953	78,497	59,845	73,054
171,334	0,209	0,561	0,569	0,248	0,344	91,975	19,567	21,951	21,843	21,802	20,394	20,493	21,150	19,954	78,375	59,854	73,031
171,500	0,207	0,586	0,568	0,247	0,346	91,975	19,571	22,635	21,867	21,813	20,398	20,485	21,154	19,958	78,325	59,847	73,013
171,667	0,205	0,584	0,568	0,247	0,347	91,960	19,575	15,144	21,867	21,796	20,389	20,483	21,146	19,955	78,389	59,840	72,990
171,834	0,206	0,574	0,568	0,254	0,350	92,044	19,546	11,138	21,866	21,793	20,399	20,489	21,156	19,959	78,371	59,835	72,983
172,000	0,204	0,583	0,568	0,249	0,348	92,017	19,529	5,591	21,881	21,811	20,389	20,495	21,164	19,963	78,436	59,831	72,959
172,167	0,207	0,597	0,568	0,249	0,351	92,067	19,499	17,314	21,873	21,787	20,398	20,489	21,158	19,958	78,397	59,830	72,956
172,334	0,205	0,597	0,568	0,243	0,352	92,028	19,559	16,631	21,865	21,796	20,391	20,489	21,154	19,959	78,410	59,828	72,966
172,500	0,205	0,590	0,568	0,257	0,350	92,039	19,536	6,779	21,875	21,809	20,423	20,516	21,184	19,969	78,405	59,826	72,993
172,667	0,209	0,576	0,568	0,255	0,349	91,991	19,550	9,839	21,875	21,813	20,410	20,487	21,188	19,962	78,274	59,835	73,017
172,833	0,205	0,568	0,568	0,254	0,349	91,951	19,542	14,160	21,856	21,797	20,412	20,486	21,167	19,961	78,451	59,853	73,012
173,000	0,204	0,570	0,568	0,248	0,350	91,933	19,522	5,532	21,866	21,817	20,407	20,487	21,176	19,963	78,429	59,855	72,967
173,167	0,208	0,554	0,568	0,255	0,351	91,966	19,492	14,718	21,869	21,806	20,407	20,493	21,171	19,965	78,257	59,854	72,978
173,333	0,206	0,538	0,568	0,248	0,347	91,941	19,382	14,709	21,873	21,811	20,403	20,500	21,176	19,963	78,203	59,862	72,963

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
167,500	55,287	0,777	0,789	15970,360	16438,117	73,856	9,362	519,239	9,973	14,104	4,848	2017-09-18 12:21
167,667	55,285	0,777	0,789	15980,954	16475,806	70,027	9,419	519,239	9,866	13,846	4,804	2017-09-18 12:21
167,833	55,284	0,777	0,790	15971,450	16335,294	62,870	9,385	519,239	10,040	13,911	4,815	2017-09-18 12:21
168,000	55,285	0,777	0,789	15971,249	16383,062	36,019	9,769	519,239	9,788	13,885	4,811	2017-09-18 12:22
168,167	55,281	0,776	0,789	15967,242	16392,760	46,251	9,548	519,239	10,117	13,932	4,819	2017-09-18 12:22
168,333	55,277	0,777	0,789	15973,517	16473,742	60,959	9,873	519,239	10,329	14,052	4,839	2017-09-18 12:22
168,500	55,275	0,777	0,789	15957,161	16499,914	46,276	10,174	519,239	10,125	13,953	4,822	2017-09-18 12:22
168,667	55,272	0,776	0,790	16009,361	16605,263	63,318	10,343	519,239	10,387	13,945	4,821	2017-09-18 12:22
168,833	55,268	0,778	0,789	16016,471	16687,269	34,532	10,519	519,224	9,820	14,063	4,841	2017-09-18 12:22
169,000	55,263	0,777	0,789	16065,273	16766,640	32,458	10,356	519,239	9,875	14,157	4,857	2017-09-18 12:23
169,167	55,257	0,777	0,789	16111,731	16659,506	46,922	9,913	519,146	10,090	14,032	4,836	2017-09-18 12:23
169,333	55,255	0,777	0,789	16152,565	16705,435	44,827	9,628	519,146	10,209	13,993	4,829	2017-09-18 12:23
169,500	55,253	0,776	0,789	16146,474	16540,636	39,806	9,811	519,146	9,839	13,973	4,826	2017-09-18 12:23
169,667	55,249	0,777	0,789	16151,666	16543,069	49,854	9,789	519,146	10,050	13,967	4,825	2017-09-18 12:23
169,834	55,251	0,777	0,789	16134,309	16634,257	68,328	9,488	519,146	9,743	13,972	4,826	2017-09-18 12:23
170,000	55,251	0,776	0,789	16125,554	16531,128	64,520	9,475	519,146	10,195	14,098	4,847	2017-09-18 12:24
170,167	55,252	0,776	0,789	16111,366	16556,503	82,396	9,088	519,146	10,034	14,033	4,836	2017-09-18 12:24
170,334	55,261	0,776	0,790	16111,471	16536,836	69,155	8,986	519,052	10,001	14,018	4,834	2017-09-18 12:24
170,500	55,281	0,777	0,789	16077,693	16624,846	53,614	9,442	519,052	10,010	13,894	4,812	2017-09-18 12:24
170,667	55,293	0,777	0,790	16053,366	16638,803	47,815	9,635	519,146	9,968	13,929	4,818	2017-09-18 12:24
170,834	55,295	0,776	0,790	16055,013	16583,860	52,902	9,459	519,052	9,911	13,925	4,818	2017-09-18 12:24
171,000	55,293	0,777	0,789	16048,850	16584,354	65,806	9,079	519,052	10,285	14,173	4,860	2017-09-18 12:25
171,167	55,292	0,777	0,790	16071,828	16580,000	62,297	8,865	519,052	10,016	13,849	4,804	2017-09-18 12:25
171,334	55,291	0,777	0,789	16044,898	16452,012	65,750	9,025	519,146	9,901	13,764	4,790	2017-09-18 12:25
171,500	55,288	0,776	0,789	16023,454	16397,586	51,686	9,643	519,052	9,875	13,821	4,800	2017-09-18 12:25
171,667	55,287	0,777	0,789	15997,855	16476,057	38,896	9,608	519,052	9,864	13,894	4,812	2017-09-18 12:25
171,834	55,293	0,776	0,789	15998,071	16455,726	46,290	9,341	519,052	10,174	13,995	4,830	2017-09-18 12:25
172,000	55,292	0,776	0,789	15970,928	16524,827	33,403	9,586	518,960	9,969	13,905	4,814	2017-09-18 12:26
172,167	55,297	0,777	0,790	15977,904	16494,224	51,317	9,923	518,960	9,962	14,049	4,839	2017-09-18 12:26
172,334	55,309	0,776	0,789	15964,986	16503,125	39,195	9,921	518,960	9,704	14,088	4,846	2017-09-18 12:26
172,500	55,319	0,776	0,789	15979,940	16497,106	36,436	9,740	518,960	10,272	13,984	4,828	2017-09-18 12:26
172,667	55,327	0,776	0,789	15991,747	16369,378	63,714	9,412	518,960	10,194	13,974	4,826	2017-09-18 12:26
172,833	55,334	0,775	0,788	15966,761	16496,353	37,291	9,203	518,960	10,151	13,952	4,822	2017-09-18 12:26
173,000	55,336	0,777	0,789	15939,585	16501,434	35,609	9,252	518,960	9,911	14,000	4,830	2017-09-18 12:27
173,167	55,330	0,778	0,790	15971,676	16368,237	60,716	8,855	518,960	10,184	14,023	4,834	2017-09-18 12:27
173,333	55,331	0,777	0,790	15963,328	16310,330	43,114	8,442	518,960	9,911	13,885	4,811	2017-09-18 12:27

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
173,500	0,211	0,546	0,568	0,254	0,343	91,901	19,460	21,535	21,884	21,815	20,403	20,496	21,175	19,965	78,262	59,855	72,923
173,667	0,208	0,574	0,567	0,251	0,350	91,875	19,462	20,328	21,870	21,818	20,418	20,497	21,177	19,967	78,307	59,854	72,896
173,833	0,205	0,587	0,568	0,254	0,348	91,848	19,441	9,638	21,873	21,798	20,414	20,516	21,170	19,966	78,339	59,840	72,886
174,000	0,208	0,592	0,567	0,245	0,351	91,897	19,454	7,774	21,878	21,806	20,415	20,503	21,176	19,970	78,374	59,840	72,908
174,167	0,206	0,585	0,568	0,254	0,355	91,899	19,511	15,864	21,876	21,805	20,422	20,499	21,184	19,973	78,330	59,836	72,931
174,333	0,205	0,574	0,567	0,248	0,349	91,895	19,502	18,197	21,870	21,794	20,415	20,504	21,181	19,963	78,316	59,842	72,965
174,500	0,212	0,563	0,567	0,247	0,344	91,939	19,531	11,646	21,870	21,802	20,406	20,499	21,192	19,967	78,239	59,851	72,978
174,667	0,207	0,560	0,567	0,248	0,348	91,929	19,533	21,392	21,865	21,804	20,415	20,496	21,187	19,970	78,154	59,867	72,966
174,833	0,206	0,584	0,567	0,243	0,352	91,881	19,499	13,638	21,865	21,811	20,411	20,505	21,185	19,966	77,996	59,871	72,942
175,000	0,205	0,594	0,567	0,244	0,347	91,931	19,434	6,776	21,872	21,799	20,422	20,512	21,184	19,974	78,204	59,877	72,905
175,167	0,207	0,574	0,567	0,260	0,352	91,952	19,468	16,755	21,862	21,810	20,430	20,516	21,187	19,973	78,278	59,870	72,892
175,333	0,210	0,564	0,567	0,248	0,348	91,871	19,492	13,846	21,864	21,802	20,419	20,507	21,191	19,970	78,247	59,863	72,897
175,500	0,208	0,542	0,567	0,252	0,350	91,864	19,509	21,726	21,859	21,806	20,419	20,511	21,205	19,970	78,215	59,866	72,927
175,667	0,212	0,538	0,567	0,246	0,348	91,826	19,473	11,135	21,873	21,817	20,417	20,515	21,193	19,977	78,060	59,874	72,920
175,833	0,207	0,551	0,567	0,249	0,350	91,776	19,480	10,242	21,870	21,821	20,431	20,508	21,200	19,973	78,133	59,881	72,881
176,000	0,206	0,582	0,567	0,255	0,348	91,835	19,510	6,843	21,861	21,834	20,431	20,507	21,196	19,978	78,138	59,874	72,839
176,167	0,207	0,601	0,567	0,248	0,345	91,833	19,570	6,394	21,868	21,814	20,439	20,521	21,204	19,981	78,227	59,867	72,797
176,333	0,208	0,585	0,567	0,255	0,347	91,922	19,560	9,390	21,857	21,830	20,439	20,522	21,210	19,979	78,269	59,858	72,812
176,500	0,210	0,574	0,567	0,251	0,349	91,960	19,549	12,687	21,860	21,826	20,418	20,504	21,196	19,978	78,289	59,851	72,847
176,667	0,211	0,570	0,567	0,251	0,344	91,963	19,555	15,133	21,867	21,834	20,443	20,517	21,217	19,987	78,276	59,857	72,869
176,834	0,206	0,555	0,567	0,245	0,347	91,956	19,514	14,145	21,880	21,827	20,434	20,529	21,218	19,983	78,126	59,869	72,881
177,000	0,212	0,549	0,566	0,249	0,350	92,012	19,461	18,523	21,880	21,831	20,443	20,525	21,221	19,983	78,019	59,871	72,906
177,167	0,209	0,562	0,567	0,250	0,347	92,033	19,498	16,215	21,881	21,822	20,432	20,525	21,200	19,979	78,072	59,873	72,881
177,334	0,207	0,566	0,566	0,247	0,345	92,059	19,535	13,507	21,871	21,842	20,435	20,523	21,213	19,985	78,102	59,874	72,821
177,500	0,212	0,572	0,566	0,248	0,343	92,136	19,628	20,434	21,876	21,829	20,439	20,529	21,221	19,987	78,080	59,871	72,812
177,667	0,206	0,581	0,566	0,251	0,347	92,154	19,620	11,436	21,886	21,837	20,451	20,546	21,222	19,993	78,155	59,859	72,808
177,834	0,208	0,611	0,566	0,251	0,345	92,099	19,657	15,396	21,871	21,841	20,456	20,546	21,226	19,990	78,166	59,857	72,786
178,000	0,205	0,610	0,566	0,260	0,346	92,118	19,604	12,631	21,874	21,831	20,435	20,519	21,205	19,983	78,348	59,849	72,794
178,167	0,208	0,583	0,566	0,250	0,355	92,130	19,630	11,998	21,881	21,833	20,434	20,533	21,216	19,985	78,351	59,847	72,831
178,334	0,212	0,578	0,566	0,248	0,351	92,189	19,615	12,968	21,874	21,837	20,438	20,529	21,218	19,983	78,284	59,853	72,892
178,500	0,204	0,586	0,566	0,256	0,352	92,209	19,615	18,910	21,865	21,837	20,446	20,530	21,221	19,983	78,304	59,873	72,923
178,667	0,206	0,602	0,566	0,255	0,343	92,278	19,637	20,943	21,879	21,839	20,447	20,538	21,229	19,994	78,351	59,886	72,940
178,834	0,206	0,590	0,566	0,256	0,349	92,375	19,620	20,843	21,876	21,855	20,443	20,537	21,228	19,990	78,328	59,894	72,942
179,000	0,205	0,593	0,566	0,250	0,351	92,474	19,628	8,491	21,876	21,841	20,449	20,521	21,227	19,983	78,412	59,896	72,963
179,167	0,206	0,617	0,566	0,248	0,351	92,530	19,580	6,351	21,876	21,856	20,442	20,536	21,220	19,990	78,446	59,902	72,977
179,333	0,203	0,641	0,566	0,258	0,347	92,539	19,573	5,155	21,897	21,839	20,456	20,534	21,227	19,987	78,429	59,904	73,000

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
173,500	55,334	0,776	0,790	15914,355	16342,180	79,856	8,649	518,960	10,159	13,734	4,784	2017-09-18 12:27
173,667	55,335	0,776	0,789	15879,490	16389,178	61,080	9,340	518,817	10,035	13,996	4,830	2017-09-18 12:27
173,833	55,336	0,776	0,789	15868,784	16427,727	41,690	9,685	518,960	10,153	13,933	4,819	2017-09-18 12:27
174,000	55,339	0,776	0,789	15889,394	16455,964	59,326	9,799	518,817	9,781	14,059	4,841	2017-09-18 12:28
174,167	55,344	0,777	0,789	15902,743	16429,164	45,498	9,632	518,959	10,170	14,216	4,868	2017-09-18 12:28
174,333	55,351	0,777	0,790	15937,669	16425,761	40,678	9,340	518,817	9,909	13,945	4,821	2017-09-18 12:28
174,500	55,360	0,776	0,790	15939,769	16330,286	81,604	9,075	518,817	9,895	13,743	4,786	2017-09-18 12:28
174,667	55,367	0,777	0,790	15921,373	16250,620	51,925	9,009	518,817	9,906	13,918	4,816	2017-09-18 12:28
174,833	55,367	0,777	0,789	15897,175	16099,198	44,212	9,611	518,817	9,723	14,062	4,841	2017-09-18 12:28
175,000	55,372	0,776	0,789	15848,834	16271,020	39,594	9,842	518,817	9,770	13,889	4,811	2017-09-18 12:29
175,167	55,370	0,777	0,790	15860,822	16358,995	54,048	9,345	518,817	10,391	14,084	4,845	2017-09-18 12:29
175,333	55,370	0,777	0,789	15854,051	16338,367	70,173	9,103	518,817	9,936	13,931	4,819	2017-09-18 12:29
175,500	55,370	0,777	0,789	15874,625	16317,534	55,799	8,560	518,817	10,077	14,001	4,831	2017-09-18 12:29
175,667	55,374	0,776	0,789	15855,053	16135,127	80,617	8,452	518,723	9,843	13,911	4,815	2017-09-18 12:29
175,833	55,378	0,776	0,789	15820,702	16207,716	50,695	8,766	518,723	9,952	14,005	4,831	2017-09-18 12:29
176,000	55,378	0,777	0,789	15788,159	16225,354	43,785	9,560	518,817	10,211	13,918	4,816	2017-09-18 12:30
176,167	55,375	0,777	0,789	15741,088	16310,233	53,009	10,016	518,723	9,934	13,805	4,797	2017-09-18 12:30
176,333	55,374	0,776	0,789	15757,018	16351,960	58,502	9,627	518,723	10,204	13,873	4,809	2017-09-18 12:30
176,500	55,376	0,777	0,789	15804,252	16381,337	69,395	9,352	518,723	10,034	13,951	4,822	2017-09-18 12:30
176,667	55,380	0,777	0,789	15819,851	16360,478	76,080	9,257	518,723	10,040	13,765	4,790	2017-09-18 12:30
176,834	55,382	0,777	0,790	15832,478	16230,993	46,057	8,881	518,723	9,817	13,878	4,809	2017-09-18 12:30
177,000	55,382	0,777	0,789	15840,244	16124,388	81,712	8,722	518,630	9,974	14,016	4,833	2017-09-18 12:31
177,167	55,374	0,777	0,789	15837,293	16180,625	62,460	9,046	518,723	9,982	13,877	4,809	2017-09-18 12:31
177,334	55,375	0,777	0,789	15776,900	16202,955	54,486	9,156	518,630	9,887	13,791	4,794	2017-09-18 12:31
177,500	55,375	0,777	0,790	15777,139	16192,590	82,188	9,291	518,630	9,908	13,704	4,779	2017-09-18 12:31
177,667	55,376	0,776	0,788	15741,182	16245,096	43,197	9,529	518,630	10,050	13,893	4,812	2017-09-18 12:31
177,834	55,380	0,776	0,789	15733,990	16247,706	60,080	10,276	518,630	10,026	13,806	4,797	2017-09-18 12:31
178,000	55,386	0,777	0,789	15738,004	16434,131	40,852	10,252	518,630	10,412	13,850	4,805	2017-09-18 12:32
178,167	55,386	0,777	0,789	15769,424	16451,824	56,939	9,581	518,630	9,983	14,200	4,865	2017-09-18 12:32
178,334	55,384	0,777	0,788	15816,792	16377,788	80,214	9,455	518,630	9,931	14,027	4,835	2017-09-18 12:32
178,500	55,383	0,777	0,788	15827,480	16376,755	34,136	9,648	518,630	10,245	14,097	4,847	2017-09-18 12:32
178,667	55,387	0,777	0,788	15846,957	16407,689	45,022	10,057	518,536	10,184	13,738	4,785	2017-09-18 12:32
178,834	55,388	0,777	0,788	15850,752	16380,071	43,354	9,761	518,630	10,232	13,969	4,825	2017-09-18 12:32
179,000	55,386	0,776	0,788	15876,840	16445,749	40,234	9,836	518,536	9,985	14,028	4,835	2017-09-18 12:33
179,167	55,383	0,776	0,788	15892,436	16469,386	45,039	10,425	518,536	9,914	14,048	4,839	2017-09-18 12:33
179,333	55,379	0,777	0,788	15905,747	16460,705	28,938	11,035	518,536	10,312	13,870	4,808	2017-09-18 12:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
179,500	0,204	0,635	0,566	0,249	0,349	92,596	19,602	17,441	21,885	21,825	20,449	20,542	21,212	19,986	78,678	59,909	73,035
179,667	0,206	0,616	0,566	0,254	0,353	92,626	19,578	20,143	21,882	21,841	20,459	20,537	21,221	19,987	78,687	59,913	73,081
179,833	0,207	0,586	0,566	0,252	0,348	92,644	19,611	16,011	21,907	21,843	20,451	20,520	21,250	19,985	78,672	59,909	73,159
180,000	0,209	0,567	0,565	0,249	0,350	92,609	19,613	14,255	21,903	21,852	20,456	20,521	21,229	19,985	78,675	59,909	73,175
180,167	0,208	0,567	0,565	0,252	0,346	92,636	19,632	9,942	21,903	21,851	20,456	20,538	21,234	19,986	78,630	59,910	73,189
180,333	0,210	0,576	0,565	0,256	0,345	92,703	19,637	17,830	21,916	21,854	20,448	20,534	21,239	19,989	78,525	59,905	73,178
180,500	0,209	0,579	0,565	0,249	0,348	92,689	19,616	19,564	21,918	21,861	20,438	20,529	21,241	19,987	78,482	59,902	73,168
180,667	0,208	0,579	0,565	0,253	0,352	92,797	19,632	18,772	21,929	21,858	20,464	20,541	21,239	19,990	78,574	59,900	73,129
180,833	0,210	0,592	0,565	0,246	0,350	92,826	19,638	21,391	21,928	21,868	20,459	20,534	21,252	19,990	78,514	59,892	73,105
181,000	0,208	0,578	0,565	0,254	0,348	92,785	19,650	14,248	21,944	21,860	20,460	20,541	21,239	19,990	78,543	59,890	73,094
181,167	0,207	0,563	0,565	0,258	0,350	92,697	19,636	17,653	21,937	21,855	20,469	20,545	21,238	19,993	78,420	59,883	73,113
181,333	0,205	0,570	0,565	0,248	0,343	92,716	19,637	13,771	21,944	21,876	20,471	20,550	21,256	19,999	78,533	59,896	73,122
181,500	0,206	0,575	0,565	0,244	0,348	92,716	19,631	17,653	21,940	21,864	20,470	20,549	21,242	19,991	78,587	59,893	73,082
181,667	0,206	0,584	0,565	0,255	0,346	92,735	19,628	16,284	21,942	21,872	20,469	20,545	21,258	19,995	78,665	59,879	73,108
181,833	0,206	0,582	0,565	0,254	0,348	92,794	19,650	16,248	21,940	21,867	20,457	20,542	21,243	19,993	78,624	59,865	73,105
182,000	0,206	0,590	0,565	0,251	0,343	92,764	19,641	20,554	21,932	21,867	20,464	20,548	21,256	19,995	78,630	59,863	73,120
182,167	0,204	0,614	0,565	0,252	0,348	92,877	19,633	20,621	21,923	21,875	20,469	20,550	21,266	20,001	78,632	59,854	73,121
182,333	0,205	0,605	0,565	0,255	0,355	92,862	19,591	15,212	21,927	21,856	20,473	20,555	21,259	19,997	78,615	59,855	73,140
182,500	0,207	0,580	0,565	0,262	0,348	92,801	19,607	25,649	21,923	21,873	20,475	20,561	21,260	20,001	78,669	59,858	73,171
182,667	0,209	0,555	0,565	0,252	0,346	92,782	19,615	12,493	21,916	21,875	20,482	20,559	21,256	19,998	78,533	59,862	73,167
182,833	0,207	0,547	0,565	0,251	0,346	92,747	19,601	14,113	21,926	21,875	20,483	20,564	21,277	20,009	78,528	59,869	73,178
183,000	0,214	0,545	0,565	0,244	0,352	92,720	19,591	10,715	21,931	21,860	20,473	20,553	21,255	19,998	78,502	59,871	73,162
183,167	0,211	0,549	0,565	0,256	0,347	92,764	19,595	15,098	21,900	21,879	20,463	20,557	21,258	20,001	78,456	59,870	73,133
183,334	0,212	0,556	0,564	0,250	0,348	92,739	19,632	12,716	21,923	21,873	20,481	20,565	21,249	20,002	78,494	59,865	73,100
183,500	0,213	0,550	0,564	0,255	0,346	92,771	19,601	18,673	21,932	21,881	20,492	20,563	21,260	20,005	78,556	59,858	73,089
183,667	0,209	0,575	0,564	0,259	0,345	92,719	19,619	13,967	21,926	21,883	20,490	20,549	21,276	20,006	78,586	59,851	73,087
183,834	0,206	0,610	0,564	0,246	0,348	92,754	19,627	15,943	21,927	21,875	20,477	20,565	21,270	20,005	78,674	59,842	73,102
184,000	0,203	0,647	0,564	0,254	0,346	92,730	19,614	22,926	21,939	21,881	20,484	20,552	21,272	20,005	78,790	59,836	73,112
184,167	0,205	0,655	0,564	0,251	0,353	92,767	19,696	14,626	21,927	21,881	20,476	20,570	21,257	20,007	78,821	59,835	73,151
184,334	0,204	0,641	0,564	0,260	0,354	92,768	19,708	21,975	21,935	21,889	20,488	20,570	21,274	20,015	78,941	59,836	73,212
184,500	0,205	0,606	0,564	0,247	0,354	92,757	19,717	17,315	21,942	21,890	20,509	20,595	21,282	20,022	78,896	59,853	73,276
184,667	0,208	0,575	0,564	0,255	0,346	92,759	19,699	18,914	21,947	21,883	20,514	20,570	21,275	20,016	78,864	59,867	73,333
184,834	0,210	0,551	0,563	0,252	0,341	92,768	19,703	15,272	21,943	21,884	20,505	20,592	21,300	20,019	78,877	59,883	73,359
185,000	0,208	0,549	0,563	0,250	0,354	92,771	19,699	24,943	21,938	21,889	20,488	20,575	21,279	20,011	78,784	59,900	73,364
185,167	0,210	0,568	0,563	0,253	0,348	92,711	19,766	21,159	21,931	21,876	20,489	20,571	21,281	20,010	78,830	59,914	73,347
185,334	0,213	0,553	0,563	0,255	0,347	92,718	19,704	12,028	21,944	21,891	20,488	20,568	21,271	20,013	78,564	59,925	73,285

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
179,500	55,351	0,776	0,789	15978,028	16664,440	34,602	10,875	518,536	9,977	13,963	4,824	2017-09-18 12:33
179,667	55,322	0,777	0,788	16039,983	16678,552	45,230	10,409	518,536	10,162	14,132	4,853	2017-09-18 12:33
179,833	55,307	0,777	0,789	16139,985	16666,643	50,282	9,646	518,536	10,090	13,931	4,818	2017-09-18 12:33
180,000	55,305	0,777	0,789	16149,121	16684,651	65,444	9,166	518,442	9,974	13,993	4,829	2017-09-18 12:34
180,167	55,304	0,777	0,789	16164,155	16634,870	59,889	9,165	518,442	10,060	13,821	4,799	2017-09-18 12:34
180,333	55,303	0,778	0,789	16152,707	16561,543	68,707	9,398	518,442	10,224	13,811	4,798	2017-09-18 12:34
180,500	55,303	0,777	0,789	16151,881	16503,119	64,951	9,482	518,442	9,943	13,933	4,819	2017-09-18 12:34
180,667	55,305	0,776	0,789	16107,909	16586,130	55,125	9,485	518,442	10,109	14,083	4,845	2017-09-18 12:34
180,833	55,308	0,776	0,789	16081,851	16540,233	71,073	9,791	518,442	9,830	13,995	4,830	2017-09-18 12:34
181,000	55,301	0,777	0,789	16078,172	16581,195	57,453	9,445	518,442	10,158	13,905	4,814	2017-09-18 12:35
181,167	55,299	0,778	0,790	16127,584	16496,652	54,608	9,073	518,442	10,320	14,001	4,831	2017-09-18 12:35
181,333	55,293	0,778	0,789	16125,292	16575,857	41,696	9,251	518,442	9,907	13,730	4,784	2017-09-18 12:35
181,500	55,275	0,778	0,789	16103,460	16628,013	48,625	9,375	518,442	9,777	13,932	4,819	2017-09-18 12:35
181,667	55,263	0,776	0,789	16141,203	16685,463	44,622	9,588	518,442	10,191	13,825	4,800	2017-09-18 12:35
181,833	55,256	0,777	0,789	16139,725	16678,791	44,448	9,541	518,349	10,173	13,913	4,815	2017-09-18 12:35
182,000	55,252	0,777	0,789	16154,596	16682,369	42,527	9,759	518,349	10,024	13,730	4,784	2017-09-18 12:36
182,167	55,257	0,777	0,789	16150,586	16698,320	32,781	10,340	518,348	10,079	13,938	4,820	2017-09-18 12:36
182,333	55,259	0,777	0,789	16165,219	16669,397	38,966	10,117	518,348	10,201	14,188	4,863	2017-09-18 12:36
182,500	55,256	0,777	0,789	16188,326	16718,027	50,289	9,488	518,348	10,468	13,920	4,817	2017-09-18 12:36
182,667	55,259	0,777	0,789	16188,373	16600,716	66,845	8,883	518,349	10,064	13,834	4,802	2017-09-18 12:36
182,833	55,259	0,777	0,789	16197,163	16582,302	52,811	8,674	518,348	10,030	13,852	4,805	2017-09-18 12:36
183,000	55,260	0,777	0,789	16186,109	16560,710	93,633	8,615	518,348	9,749	14,089	4,846	2017-09-18 12:37
183,167	55,256	0,777	0,789	16171,845	16517,128	76,017	8,719	518,348	10,248	13,863	4,807	2017-09-18 12:37
183,334	55,251	0,777	0,789	16140,020	16554,371	80,061	8,893	518,255	10,019	13,939	4,820	2017-09-18 12:37
183,500	55,242	0,777	0,789	16133,731	16627,750	89,964	8,758	518,255	10,217	13,848	4,804	2017-09-18 12:37
183,667	55,240	0,778	0,790	16147,469	16662,541	64,742	9,382	518,255	10,360	13,816	4,799	2017-09-18 12:37
183,834	55,233	0,777	0,789	16161,892	16733,077	44,414	10,258	518,255	9,836	13,909	4,815	2017-09-18 12:37
184,000	55,233	0,777	0,789	16156,602	16842,843	29,946	11,171	518,255	10,151	13,825	4,800	2017-09-18 12:38
184,167	55,233	0,777	0,789	16198,155	16872,654	38,563	11,381	518,255	10,057	14,138	4,854	2017-09-18 12:38
184,334	55,236	0,776	0,789	16249,426	16963,442	32,513	11,017	518,255	10,386	14,162	4,858	2017-09-18 12:38
184,500	55,240	0,776	0,789	16315,150	16915,142	39,383	10,162	518,255	9,876	14,154	4,857	2017-09-18 12:38
184,667	55,264	0,777	0,789	16335,089	16890,235	55,952	9,381	518,255	10,186	13,827	4,800	2017-09-18 12:38
184,834	55,280	0,777	0,789	16351,826	16873,327	68,961	8,773	518,118	10,089	13,639	4,768	2017-09-18 12:38
185,000	55,288	0,776	0,788	16329,516	16771,671	60,570	8,727	518,118	9,989	14,147	4,856	2017-09-18 12:39
185,167	55,289	0,776	0,789	16324,133	16787,165	70,420	9,211	518,118	10,133	13,929	4,818	2017-09-18 12:39
185,334	55,289	0,777	0,789	16276,023	16561,464	86,805	8,823	518,118	10,187	13,893	4,812	2017-09-18 12:39

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
185,500	0,213	0,563	0,563	0,253	0,347	92,655	19,702	14,459	21,936	21,892	20,503	20,573	21,285	20,011	78,749	59,917	73,268
185,667	0,213	0,566	0,563	0,251	0,347	92,688	19,695	12,929	21,926	21,892	20,490	20,561	21,270	20,013	78,715	59,914	73,230
185,834	0,209	0,586	0,563	0,253	0,351	92,687	19,672	14,652	21,958	21,888	20,505	20,577	21,274	20,014	78,763	59,908	73,221
186,000	0,208	0,597	0,563	0,254	0,346	92,709	19,674	19,193	21,926	21,885	20,488	20,581	21,271	20,013	78,734	59,901	73,220
186,167	0,207	0,600	0,563	0,254	0,343	92,668	19,687	13,635	21,931	21,899	20,502	20,577	21,293	20,018	78,858	59,902	73,216
186,333	0,207	0,592	0,563	0,253	0,344	92,630	19,687	15,177	21,961	21,887	20,510	20,579	21,285	20,018	78,792	59,900	73,251
186,500	0,209	0,577	0,563	0,253	0,347	92,601	19,687	12,886	21,955	21,888	20,504	20,574	21,287	20,016	78,792	59,908	73,294
186,667	0,211	0,550	0,563	0,257	0,340	92,659	19,694	17,834	21,964	21,884	20,519	20,575	21,297	20,018	78,692	59,918	73,278
186,833	0,214	0,550	0,563	0,254	0,346	92,645	19,699	11,175	21,960	21,887	20,505	20,578	21,283	20,016	78,753	59,925	73,286
187,000	0,208	0,546	0,563	0,252	0,348	92,681	19,719	23,768	21,957	21,899	20,506	20,579	21,279	20,018	78,709	59,931	73,251
187,167	0,212	0,549	0,563	0,252	0,352	92,704	19,703	22,531	21,982	21,901	20,517	20,593	21,310	20,023	78,547	59,931	73,235
187,333	0,212	0,554	0,563	0,254	0,346	92,719	19,728	20,099	21,963	21,890	20,515	20,587	21,297	20,023	78,572	59,929	73,220
187,500	0,207	0,563	0,563	0,254	0,349	92,746	19,727	20,352	21,977	21,903	20,522	20,578	21,312	20,026	78,559	59,931	73,172
187,667	0,208	0,576	0,563	0,249	0,349	92,735	19,711	20,632	21,955	21,888	20,521	20,586	21,304	20,018	78,458	59,922	73,144
187,833	0,205	0,583	0,563	0,251	0,345	92,782	19,729	24,989	21,951	21,896	20,518	20,596	21,300	20,026	78,489	59,921	73,132
188,000	0,204	0,582	0,563	0,251	0,343	92,752	19,732	21,443	21,963	21,887	20,523	20,576	21,297	20,022	78,609	59,922	73,089
188,167	0,206	0,587	0,563	0,258	0,352	92,895	19,736	22,867	21,947	21,893	20,522	20,577	21,289	20,020	78,663	59,913	73,104
188,333	0,207	0,575	0,563	0,255	0,350	92,813	19,746	17,530	21,953	21,888	20,512	20,595	21,290	20,024	78,613	59,913	73,122
188,500	0,210	0,555	0,562	0,260	0,346	92,775	19,758	17,022	21,968	21,905	20,526	20,604	21,307	20,031	78,568	59,913	73,159
188,667	0,207	0,557	0,562	0,248	0,351	92,729	19,761	15,410	21,959	21,890	20,525	20,591	21,304	20,026	78,611	59,932	73,166
188,833	0,206	0,582	0,562	0,252	0,349	92,747	19,772	20,543	21,957	21,914	20,530	20,582	21,292	20,027	78,493	59,935	73,154
189,000	0,204	0,610	0,562	0,247	0,345	92,804	19,729	14,929	21,946	21,911	20,526	20,582	21,310	20,027	78,613	59,940	73,144
189,167	0,204	0,605	0,562	0,249	0,347	92,834	19,746	16,803	21,973	21,909	20,534	20,597	21,308	20,034	78,632	59,945	73,121
189,333	0,207	0,599	0,562	0,252	0,353	92,890	19,728	14,857	21,993	21,919	20,531	20,603	21,324	20,040	78,687	59,943	73,132
189,500	0,207	0,605	0,562	0,250	0,347	92,880	19,675	8,056	21,968	21,903	20,533	20,593	21,311	20,032	78,547	59,951	73,141
189,667	0,207	0,598	0,562	0,255	0,346	92,898	19,744	17,781	21,967	21,905	20,534	20,585	21,313	20,031	78,742	59,945	73,176
189,833	0,206	0,603	0,562	0,252	0,350	92,938	19,733	11,227	21,975	21,909	20,540	20,599	21,303	20,034	78,653	59,948	73,178
190,000	0,205	0,620	0,562	0,249	0,346	92,976	19,812	21,142	21,967	21,903	20,531	20,611	21,328	20,039	78,740	59,961	73,210
190,167	0,207	0,624	0,562	0,254	0,346	92,975	19,786	23,609	21,975	21,907	20,529	20,616	21,316	20,040	78,758	59,968	73,212
190,334	0,207	0,597	0,561	0,253	0,349	92,942	19,820	20,550	21,977	21,902	20,549	20,618	21,329	20,044	78,764	59,979	73,245
190,500	0,207	0,566	0,562	0,250	0,345	92,956	19,800	17,328	21,951	21,886	20,547	20,594	21,325	20,035	78,752	59,980	73,280
190,667	0,210	0,565	0,562	0,257	0,346	92,972	19,822	20,168	21,960	21,886	20,518	20,590	21,317	20,031	78,784	59,987	73,287
190,834	0,209	0,569	0,561	0,262	0,345	92,934	19,831	23,870	21,971	21,899	20,525	20,595	21,311	20,034	78,742	60,002	73,283
191,000	0,210	0,571	0,562	0,260	0,342	92,947	19,831	18,529	21,968	21,900	20,543	20,601	21,309	20,035	78,773	60,007	73,287
191,167	0,208	0,583	0,562	0,247	0,349	93,055	19,818	19,773	21,969	21,900	20,542	20,607	21,307	20,040	78,816	60,010	73,289
191,334	0,206	0,587	0,562	0,248	0,347	93,041	19,818	14,677	21,964	21,912	20,543	20,618	21,315	20,040	78,879	60,000	73,290

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
185,500	55,291	0,778	0,790	16268,862	16750,176	91,444	9,069	518,118	10,107	13,887	4,811	2017-09-18 12:39
185,667	55,292	0,777	0,789	16222,086	16705,565	86,778	9,140	518,118	10,031	13,870	4,808	2017-09-18 12:39
185,834	55,293	0,777	0,788	16197,774	16754,601	61,407	9,640	518,118	10,100	14,054	4,840	2017-09-18 12:39
186,000	55,296	0,777	0,789	16209,600	16734,091	58,145	9,922	518,118	10,169	13,834	4,802	2017-09-18 12:40
186,167	55,297	0,777	0,790	16214,056	16849,052	49,438	9,990	518,118	10,170	13,739	4,785	2017-09-18 12:40
186,333	55,299	0,777	0,789	16235,291	16788,229	54,420	9,793	518,118	10,112	13,780	4,792	2017-09-18 12:40
186,500	55,308	0,777	0,790	16272,327	16787,703	62,283	9,420	518,118	10,105	13,860	4,806	2017-09-18 12:40
186,667	55,316	0,777	0,789	16236,430	16685,531	75,868	8,740	518,025	10,289	13,602	4,761	2017-09-18 12:40
186,833	55,325	0,776	0,789	16236,182	16721,190	95,307	8,759	518,025	10,168	13,831	4,801	2017-09-18 12:40
187,000	55,331	0,776	0,789	16201,136	16674,460	59,718	8,654	518,118	10,075	13,917	4,816	2017-09-18 12:41
187,167	55,330	0,777	0,789	16187,379	16542,019	81,976	8,722	518,025	10,072	14,096	4,847	2017-09-18 12:41
187,333	55,331	0,777	0,790	16185,579	16573,961	81,111	8,850	518,025	10,144	13,842	4,803	2017-09-18 12:41
187,500	55,335	0,777	0,790	16145,843	16559,781	51,230	9,080	518,025	10,165	13,947	4,821	2017-09-18 12:41
187,667	55,338	0,778	0,789	16101,982	16488,401	58,895	9,402	518,025	9,950	13,973	4,826	2017-09-18 12:41
187,833	55,340	0,778	0,790	16113,223	16522,871	38,545	9,572	518,024	10,057	13,810	4,797	2017-09-18 12:41
188,000	55,344	0,777	0,790	16070,052	16612,416	35,821	9,560	518,025	10,045	13,734	4,784	2017-09-18 12:42
188,167	55,351	0,777	0,789	16056,935	16659,598	47,516	9,671	518,025	10,309	14,069	4,842	2017-09-18 12:42
188,333	55,359	0,777	0,790	16073,488	16618,190	52,776	9,372	518,024	10,207	14,019	4,834	2017-09-18 12:42
188,500	55,366	0,777	0,789	16089,819	16580,850	72,744	8,867	517,930	10,389	13,821	4,799	2017-09-18 12:42
188,667	55,374	0,777	0,790	16107,820	16594,466	48,823	8,915	517,930	9,903	14,022	4,834	2017-09-18 12:42
188,833	55,375	0,777	0,789	16079,256	16498,610	45,536	9,552	517,930	10,068	13,970	4,825	2017-09-18 12:42
189,000	55,378	0,777	0,789	16066,641	16601,669	35,387	10,241	517,930	9,890	13,791	4,794	2017-09-18 12:43
189,167	55,376	0,777	0,790	16057,637	16604,739	30,349	10,117	517,930	9,975	13,867	4,807	2017-09-18 12:43
189,333	55,383	0,778	0,790	16061,000	16671,974	52,808	9,977	517,837	10,090	14,102	4,848	2017-09-18 12:43
189,500	55,386	0,777	0,789	16058,169	16525,262	52,606	10,123	517,930	9,981	13,885	4,811	2017-09-18 12:43
189,667	55,387	0,777	0,789	16090,341	16711,181	54,868	9,962	517,930	10,214	13,826	4,800	2017-09-18 12:43
189,833	55,392	0,777	0,790	16096,602	16622,535	45,939	10,084	517,837	10,071	13,996	4,830	2017-09-18 12:43
190,000	55,398	0,777	0,790	16131,346	16699,295	41,293	10,490	517,838	9,961	13,856	4,806	2017-09-18 12:44
190,167	55,406	0,778	0,790	16117,815	16712,847	53,756	10,609	517,930	10,169	13,843	4,803	2017-09-18 12:44
190,334	55,410	0,778	0,790	16151,212	16708,255	52,165	9,936	517,743	10,112	13,953	4,822	2017-09-18 12:44
190,500	55,419	0,778	0,790	16160,027	16695,862	52,384	9,161	517,837	9,994	13,811	4,798	2017-09-18 12:44
190,667	55,418	0,778	0,789	16158,341	16718,711	70,385	9,113	517,837	10,260	13,856	4,806	2017-09-18 12:44
190,834	55,400	0,777	0,789	16172,154	16655,234	61,386	9,235	517,759	10,461	13,785	4,793	2017-09-18 12:44
191,000	55,380	0,777	0,789	16196,396	16683,020	69,576	9,263	517,837	10,395	13,692	4,777	2017-09-18 12:45
191,167	55,372	0,777	0,789	16200,126	16723,370	59,698	9,565	517,837	9,865	13,943	4,821	2017-09-18 12:45
191,334	55,371	0,778	0,789	16204,799	16793,452	44,118	9,681	517,837	9,905	13,862	4,807	2017-09-18 12:45

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
191,500	0,207	0,590	0,561	0,255	0,347	93,000	19,821	19,690	21,972	21,895	20,538	20,619	21,318	20,038	78,873	59,994	73,310
191,667	0,210	0,579	0,561	0,255	0,345	92,994	19,818	20,377	21,967	21,926	20,543	20,597	21,320	20,042	78,875	59,988	73,344
191,834	0,205	0,579	0,561	0,249	0,346	92,948	19,818	14,440	21,975	21,909	20,539	20,612	21,324	20,040	78,785	59,991	73,351
192,000	0,207	0,568	0,561	0,254	0,349	92,964	19,815	16,699	21,971	21,923	20,551	20,613	21,316	20,044	78,806	59,999	73,351
192,167	0,208	0,557	0,561	0,252	0,344	92,911	19,799	25,914	21,990	21,921	20,554	20,631	21,319	20,044	78,757	60,003	73,316
192,334	0,213	0,568	0,561	0,249	0,343	92,902	19,807	20,609	21,977	21,912	20,559	20,605	21,316	20,043	78,791	60,000	73,289
192,500	0,210	0,572	0,561	0,254	0,343	92,906	19,811	19,370	21,998	21,942	20,567	20,634	21,338	20,055	78,713	60,000	73,279
192,667	0,205	0,590	0,561	0,253	0,346	92,918	19,834	12,680	21,988	21,936	20,561	20,623	21,333	20,059	78,848	59,996	73,289
192,834	0,206	0,608	0,561	0,255	0,346	92,889	19,838	19,024	21,971	21,916	20,568	20,610	21,324	20,046	78,667	60,000	73,285
193,000	0,206	0,618	0,561	0,253	0,353	92,907	19,849	12,268	21,972	21,944	20,560	20,623	21,334	20,052	78,798	59,996	73,291
193,167	0,205	0,609	0,561	0,248	0,350	92,886	19,849	15,697	21,982	21,935	20,574	20,639	21,352	20,067	78,862	59,996	73,285
193,333	0,208	0,598	0,561	0,247	0,347	92,806	19,847	23,354	21,970	21,924	20,560	20,619	21,341	20,054	78,895	59,988	73,291
193,500	0,208	0,579	0,561	0,255	0,341	92,746	19,859	19,474	21,984	21,931	20,580	20,638	21,348	20,064	78,803	59,982	73,328
193,667	0,208	0,563	0,561	0,252	0,346	92,640	19,892	25,517	21,983	21,920	20,555	20,630	21,329	20,048	78,798	59,979	73,329
193,833	0,209	0,561	0,561	0,250	0,340	92,569	19,879	25,082	22,007	21,945	20,578	20,650	21,358	20,076	78,651	59,986	73,322
194,000	0,210	0,573	0,560	0,253	0,349	92,480	19,861	19,744	21,987	21,936	20,576	20,627	21,346	20,059	78,682	59,982	73,298
194,167	0,209	0,583	0,561	0,251	0,348	92,448	19,891	18,120	21,979	21,931	20,572	20,634	21,348	20,059	78,734	59,983	73,263
194,333	0,209	0,591	0,561	0,256	0,349	92,402	19,877	23,715	21,976	21,925	20,568	20,625	21,336	20,058	78,652	59,979	73,253
194,500	0,208	0,572	0,561	0,249	0,346	92,385	19,860	10,692	21,955	21,923	20,574	20,617	21,332	20,055	78,652	59,971	73,252
194,667	0,207	0,567	0,561	0,247	0,346	92,284	19,859	20,899	21,968	21,915	20,574	20,617	21,333	20,056	78,584	59,975	73,239
194,833	0,207	0,578	0,561	0,247	0,351	92,253	19,898	16,255	21,984	21,932	20,579	20,640	21,340	20,062	78,513	59,975	73,224
195,000	0,207	0,575	0,560	0,252	0,351	92,240	19,904	12,349	21,984	21,931	20,564	20,631	21,333	20,059	78,547	59,972	73,197
195,167	0,211	0,565	0,560	0,253	0,346	92,337	19,885	13,774	21,989	21,937	20,568	20,623	21,346	20,059	78,572	59,959	73,156
195,333	0,207	0,571	0,560	0,256	0,344	92,301	19,884	14,476	21,983	21,931	20,571	20,634	21,348	20,062	78,446	59,947	73,140
195,500	0,207	0,570	0,560	0,261	0,344	92,283	19,878	11,111	21,985	21,931	20,572	20,640	21,339	20,060	78,522	59,941	73,116
195,667	0,206	0,581	0,560	0,249	0,338	92,260	19,859	18,895	21,983	21,927	20,571	20,634	21,340	20,062	78,509	59,935	73,095
195,833	0,208	0,582	0,560	0,248	0,339	92,270	19,861	18,895	21,982	21,931	20,570	20,629	21,350	20,064	78,516	59,920	73,093
196,000	0,209	0,566	0,560	0,250	0,345	92,248	19,862	14,473	21,983	21,933	20,574	20,630	21,340	20,063	78,474	59,920	73,089
196,167	0,208	0,558	0,560	0,253	0,351	92,173	19,896	12,867	21,972	21,927	20,582	20,626	21,348	20,062	78,375	59,917	73,087
196,333	0,207	0,555	0,560	0,250	0,355	92,153	19,869	11,803	21,986	21,941	20,593	20,639	21,349	20,066	78,405	59,920	73,060
196,500	0,205	0,562	0,560	0,252	0,346	92,144	19,861	12,613	21,991	21,932	20,584	20,636	21,357	20,066	78,397	59,920	73,036
196,667	0,210	0,561	0,560	0,253	0,347	92,127	19,851	11,649	21,976	21,920	20,576	20,640	21,336	20,062	78,320	59,906	73,031
196,834	0,207	0,548	0,560	0,246	0,349	92,116	19,897	13,691	21,992	21,948	20,589	20,635	21,341	20,063	78,253	59,910	72,992
197,000	0,209	0,556	0,560	0,254	0,346	92,111	19,880	12,278	21,983	21,933	20,585	20,623	21,350	20,063	78,243	59,901	72,955
197,167	0,205	0,561	0,560	0,249	0,352	92,060	19,869	9,395	21,983	21,939	20,592	20,629	21,348	20,067	78,255	59,892	72,904
197,334	0,207	0,565	0,560	0,249	0,348	92,020	19,852	13,013	21,986	21,939	20,582	20,644	21,363	20,066	78,277	59,879	72,906

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
191,500	55,367	0,777	0,790	16251,362	16778,609	50,699	9,751	517,742	10,207	13,878	4,809	2017-09-18 12:45
191,667	55,371	0,777	0,790	16268,274	16794,348	68,738	9,484	517,742	10,208	13,792	4,794	2017-09-18 12:45
191,834	55,379	0,778	0,790	16261,572	16725,598	40,852	9,468	517,742	9,944	13,830	4,801	2017-09-18 12:45
192,000	55,380	0,778	0,790	16270,695	16728,389	54,302	9,203	517,743	10,148	13,958	4,823	2017-09-18 12:46
192,167	55,383	0,778	0,790	16238,058	16679,199	55,122	8,937	517,742	10,085	13,764	4,789	2017-09-18 12:46
192,334	55,387	0,778	0,790	16210,864	16719,315	89,234	9,192	517,743	9,947	13,717	4,781	2017-09-18 12:46
192,500	55,390	0,778	0,790	16192,427	16641,970	70,409	9,305	517,742	10,170	13,734	4,784	2017-09-18 12:46
192,667	55,386	0,777	0,790	16205,649	16757,379	40,018	9,755	517,743	10,135	13,849	4,804	2017-09-18 12:46
192,834	55,372	0,777	0,789	16198,711	16591,519	44,195	10,205	517,742	10,219	13,829	4,801	2017-09-18 12:46
193,000	55,366	0,778	0,790	16220,291	16723,947	47,137	10,445	517,650	10,132	14,122	4,851	2017-09-18 12:47
193,167	55,359	0,777	0,790	16217,375	16765,254	40,734	10,227	517,649	9,904	14,015	4,833	2017-09-18 12:47
193,333	55,355	0,777	0,789	16215,832	16800,313	55,952	9,954	517,649	9,877	13,900	4,813	2017-09-18 12:47
193,500	55,352	0,777	0,789	16257,442	16737,676	59,187	9,484	517,649	10,181	13,630	4,766	2017-09-18 12:47
193,667	55,355	0,778	0,791	16282,106	16737,953	60,570	9,066	517,649	10,072	13,832	4,801	2017-09-18 12:47
193,833	55,363	0,778	0,790	16266,398	16599,937	63,071	9,032	517,649	9,984	13,584	4,758	2017-09-18 12:47
194,000	55,363	0,778	0,790	16241,440	16632,182	72,108	9,337	517,555	10,107	13,963	4,824	2017-09-18 12:48
194,167	55,368	0,777	0,790	16191,804	16664,563	61,202	9,586	517,649	10,047	13,930	4,818	2017-09-18 12:48
194,333	55,370	0,778	0,790	16179,785	16611,148	61,598	9,783	517,649	10,222	13,945	4,821	2017-09-18 12:48
194,500	55,367	0,777	0,789	16169,073	16608,784	59,065	9,311	517,649	9,975	13,829	4,801	2017-09-18 12:48
194,667	55,364	0,777	0,790	16173,771	16537,531	48,996	9,179	517,649	9,861	13,825	4,800	2017-09-18 12:48
194,833	55,358	0,778	0,790	16176,407	16493,255	49,660	9,440	517,649	9,876	14,035	4,837	2017-09-18 12:48
195,000	55,355	0,777	0,790	16151,794	16512,553	51,171	9,371	517,555	10,081	14,040	4,837	2017-09-18 12:49
195,167	55,350	0,778	0,790	16115,183	16563,628	75,239	9,118	517,555	10,136	13,854	4,805	2017-09-18 12:49
195,333	55,350	0,778	0,790	16101,452	16453,232	54,427	9,265	517,555	10,231	13,778	4,792	2017-09-18 12:49
195,500	55,348	0,778	0,790	16082,231	16526,927	51,911	9,260	517,555	10,435	13,764	4,790	2017-09-18 12:49
195,667	55,348	0,777	0,790	16058,440	16504,803	47,752	9,520	517,555	9,974	13,532	4,749	2017-09-18 12:49
195,833	55,350	0,778	0,790	16053,513	16538,541	57,808	9,547	517,555	9,931	13,554	4,753	2017-09-18 12:49
196,000	55,354	0,778	0,790	16054,156	16505,570	66,195	9,146	517,555	9,997	13,782	4,793	2017-09-18 12:50
196,167	55,356	0,778	0,790	16048,885	16425,152	60,931	8,951	517,555	10,121	14,041	4,838	2017-09-18 12:50
196,333	55,356	0,778	0,790	16030,787	16457,023	52,492	8,872	517,555	9,980	14,190	4,863	2017-09-18 12:50
196,500	55,355	0,778	0,790	16007,730	16434,450	38,514	9,050	517,555	10,081	13,829	4,801	2017-09-18 12:50
196,667	55,351	0,777	0,789	15988,366	16369,853	68,238	9,019	517,555	10,121	13,884	4,810	2017-09-18 12:50
196,834	55,344	0,777	0,788	15939,013	16298,535	52,071	8,700	517,463	9,854	13,969	4,825	2017-09-18 12:50
197,000	55,344	0,777	0,790	15938,681	16307,514	65,639	8,912	517,462	10,151	13,857	4,806	2017-09-18 12:51
197,167	55,342	0,778	0,789	15884,843	16344,028	41,307	9,023	517,462	9,971	14,072	4,843	2017-09-18 12:51
197,334	55,342	0,777	0,789	15888,232	16360,726	49,309	9,125	517,463	9,977	13,905	4,814	2017-09-18 12:51

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
197,500	0,207	0,577	0,560	0,243	0,348	92,092	19,853	15,656	21,986	21,941	20,593	20,644	21,350	20,067	78,267	59,875	72,898
197,667	0,204	0,583	0,560	0,255	0,346	92,057	19,841	18,636	21,988	21,928	20,593	20,648	21,357	20,068	78,294	59,869	72,886
197,834	0,207	0,587	0,560	0,253	0,345	92,060	19,849	21,105	21,980	21,934	20,590	20,638	21,353	20,070	78,359	59,867	72,886
198,000	0,212	0,567	0,560	0,247	0,346	91,972	19,857	14,111	21,977	21,945	20,603	20,640	21,357	20,070	78,284	59,866	72,904
198,167	0,211	0,541	0,559	0,246	0,343	91,978	19,823	11,143	21,986	21,931	20,590	20,643	21,361	20,071	78,176	59,866	72,923
198,334	0,216	0,541	0,560	0,245	0,343	91,929	19,789	15,959	21,992	21,949	20,584	20,648	21,360	20,076	78,166	59,866	72,920
198,500	0,214	0,547	0,560	0,256	0,346	91,948	19,824	10,873	21,992	21,951	20,591	20,644	21,358	20,075	78,103	59,867	72,873
198,667	0,211	0,554	0,560	0,245	0,346	91,944	19,853	6,435	21,992	21,956	20,597	20,658	21,370	20,078	77,969	59,861	72,838
198,834	0,215	0,546	0,559	0,241	0,344	91,914	19,862	11,365	22,004	21,943	20,612	20,650	21,361	20,078	78,138	59,851	72,801
199,000	0,209	0,548	0,559	0,249	0,346	91,935	19,892	13,306	21,990	21,943	20,592	20,648	21,370	20,079	77,901	59,830	72,757
199,167	0,210	0,555	0,559	0,250	0,340	91,907	19,899	10,351	21,988	21,956	20,600	20,644	21,357	20,078	77,981	59,796	72,754
199,334	0,207	0,570	0,559	0,249	0,351	91,831	19,882	14,571	21,991	21,955	20,597	20,648	21,371	20,078	77,914	59,783	72,692
199,500	0,207	0,568	0,559	0,254	0,346	91,895	19,911	23,547	22,007	21,972	20,613	20,660	21,372	20,084	77,998	59,765	72,659
199,667	0,210	0,565	0,559	0,246	0,346	91,902	19,905	17,736	22,005	21,966	20,590	20,652	21,374	20,080	77,975	59,752	72,631
199,833	0,211	0,566	0,559	0,254	0,346	91,943	19,896	20,639	22,008	21,981	20,626	20,656	21,369	20,087	77,783	59,748	72,645
200,000	0,209	0,582	0,559	0,247	0,347	92,070	19,896	17,035	22,008	21,970	20,612	20,676	21,366	20,083	77,971	59,745	72,650
200,167	0,207	0,603	0,559	0,244	0,350	92,020	19,890	16,957	21,999	21,961	20,613	20,655	21,362	20,084	78,145	59,740	72,632
200,333	0,205	0,618	0,559	0,249	0,341	92,030	19,877	22,067	21,995	21,976	20,613	20,663	21,374	20,083	78,170	59,741	72,659
200,500	0,206	0,614	0,559	0,256	0,347	91,976	19,908	23,301	22,009	21,956	20,619	20,668	21,378	20,086	78,155	59,736	72,713
200,667	0,205	0,598	0,559	0,248	0,349	91,986	19,895	10,238	22,019	21,982	20,623	20,671	21,382	20,090	78,123	59,741	72,763
200,833	0,210	0,572	0,559	0,253	0,341	92,029	19,916	14,396	22,017	21,977	20,625	20,662	21,377	20,090	78,073	59,746	72,770
201,000	0,207	0,568	0,559	0,246	0,340	92,013	19,892	22,365	22,023	21,970	20,609	20,656	21,369	20,087	78,247	59,741	72,777
201,167	0,208	0,579	0,559	0,246	0,349	92,052	19,885	19,729	22,015	21,972	20,603	20,676	21,378	20,088	78,178	59,732	72,754
201,333	0,208	0,576	0,559	0,247	0,352	92,067	19,895	20,519	22,019	21,981	20,611	20,672	21,382	20,091	78,166	59,724	72,774
201,500	0,206	0,577	0,559	0,247	0,339	92,108	19,917	20,615	22,029	21,980	20,631	20,678	21,378	20,096	78,166	59,717	72,774
201,667	0,206	0,601	0,559	0,249	0,345	92,123	19,916	19,471	22,023	21,986	20,627	20,667	21,384	20,095	78,151	59,717	72,750
201,833	0,205	0,613	0,559	0,252	0,349	92,236	19,910	11,927	22,033	21,980	20,630	20,668	21,394	20,095	78,266	59,713	72,748
202,000	0,208	0,604	0,559	0,247	0,344	92,294	19,893	17,518	22,038	21,995	20,627	20,670	21,391	20,095	78,251	59,707	72,755
202,167	0,205	0,604	0,558	0,248	0,348	92,423	19,895	18,501	22,057	21,990	20,641	20,681	21,393	20,099	78,371	59,715	72,809
202,333	0,204	0,617	0,558	0,256	0,349	92,474	19,908	14,394	22,034	21,989	20,613	20,667	21,390	20,095	78,324	59,726	72,838
202,500	0,205	0,618	0,558	0,248	0,351	92,537	19,884	12,744	22,048	21,990	20,628	20,683	21,386	20,099	78,470	59,734	72,867
202,667	0,206	0,591	0,558	0,253	0,345	92,561	19,899	18,069	22,054	21,994	20,629	20,674	21,380	20,101	78,487	59,744	72,892
202,833	0,207	0,568	0,558	0,251	0,348	92,634	19,902	19,043	22,063	22,002	20,649	20,682	21,397	20,103	78,431	59,740	72,939
203,000	0,205	0,585	0,558	0,258	0,350	92,727	19,899	11,684	22,052	21,990	20,641	20,672	21,386	20,105	78,429	59,744	72,951
203,167	0,204	0,589	0,558	0,247	0,347	92,734	19,931	11,521	22,040	21,993	20,635	20,671	21,398	20,103	78,497	59,733	72,962
203,333	0,206	0,584	0,558	0,244	0,345	92,766	19,912	21,333	22,048	21,994	20,631	20,688	21,390	20,104	78,462	59,729	72,955

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
197,500	55,342	0,777	0,789	15875,827	16346,820	54,681	9,413	517,462	9,730	13,918	4,816	2017-09-18 12:51
197,667	55,340	0,777	0,790	15887,867	16385,034	32,402	9,569	517,463	10,181	13,853	4,805	2017-09-18 12:51
197,834	55,340	0,777	0,790	15886,285	16444,887	51,432	9,686	517,463	10,118	13,809	4,797	2017-09-18 12:51
198,000	55,344	0,778	0,791	15905,173	16383,046	80,906	9,181	517,463	9,867	13,834	4,802	2017-09-18 12:52
198,167	55,340	0,778	0,790	15925,660	16283,979	73,773	8,526	517,320	9,837	13,739	4,785	2017-09-18 12:52
198,334	55,342	0,778	0,789	15899,194	16282,057	105,439	8,515	517,463	9,797	13,704	4,779	2017-09-18 12:52
198,500	55,334	0,777	0,790	15871,630	16209,211	97,962	8,686	517,463	10,244	13,853	4,805	2017-09-18 12:52
198,667	55,301	0,778	0,790	15877,644	16108,875	78,102	8,838	517,462	9,820	13,829	4,801	2017-09-18 12:52
198,834	55,273	0,778	0,790	15865,543	16265,265	99,796	8,642	517,320	9,646	13,743	4,786	2017-09-18 12:52
199,000	55,261	0,776	0,789	15814,406	16049,717	65,813	8,690	517,320	9,978	13,843	4,803	2017-09-18 12:53
199,167	55,257	0,777	0,789	15815,632	16154,378	68,328	8,874	517,320	10,005	13,603	4,762	2017-09-18 12:53
199,334	55,256	0,777	0,789	15769,775	16120,893	52,776	9,262	517,320	9,973	14,027	4,835	2017-09-18 12:53
199,500	55,255	0,777	0,790	15746,326	16209,373	49,722	9,211	517,320	10,157	13,828	4,801	2017-09-18 12:53
199,667	55,252	0,777	0,790	15724,372	16191,976	69,593	9,121	517,320	9,858	13,826	4,800	2017-09-18 12:53
199,833	55,252	0,777	0,789	15733,158	16026,784	77,365	9,162	517,320	10,177	13,820	4,799	2017-09-18 12:53
200,000	55,251	0,776	0,789	15730,159	16181,479	65,768	9,543	517,320	9,894	13,871	4,808	2017-09-18 12:54
200,167	55,247	0,777	0,790	15729,518	16355,721	52,318	10,064	517,320	9,752	13,986	4,828	2017-09-18 12:54
200,333	55,242	0,777	0,790	15764,856	16383,498	42,329	10,451	517,320	9,968	13,624	4,765	2017-09-18 12:54
200,500	55,225	0,778	0,790	15832,203	16385,556	43,573	10,345	517,226	10,252	13,874	4,809	2017-09-18 12:54
200,667	55,202	0,778	0,790	15902,359	16352,226	40,081	9,952	517,226	9,903	13,966	4,825	2017-09-18 12:54
200,833	55,188	0,777	0,790	15907,659	16288,329	68,544	9,304	517,226	10,124	13,633	4,767	2017-09-18 12:54
201,000	55,178	0,777	0,790	15928,998	16452,288	49,500	9,211	517,226	9,848	13,585	4,758	2017-09-18 12:55
201,167	55,172	0,777	0,789	15905,127	16399,145	60,208	9,484	517,226	9,859	13,955	4,823	2017-09-18 12:55
201,333	55,163	0,777	0,789	15923,170	16402,099	59,381	9,389	517,226	9,894	14,062	4,841	2017-09-18 12:55
201,500	55,163	0,778	0,790	15941,249	16421,544	48,607	9,415	517,226	9,864	13,543	4,751	2017-09-18 12:55
201,667	55,180	0,777	0,790	15899,181	16388,395	43,559	10,035	517,226	9,949	13,807	4,797	2017-09-18 12:55
201,833	55,196	0,777	0,789	15873,207	16487,524	38,517	10,332	517,226	10,100	13,970	4,825	2017-09-18 12:55
202,000	55,197	0,777	0,789	15877,153	16476,845	57,443	10,109	517,226	9,879	13,766	4,790	2017-09-18 12:56
202,167	55,190	0,777	0,789	15933,089	16585,355	37,694	10,108	517,132	9,914	13,932	4,819	2017-09-18 12:56
202,333	55,182	0,777	0,790	15976,573	16536,648	33,031	10,424	517,132	10,250	13,962	4,824	2017-09-18 12:56
202,500	55,169	0,778	0,790	16020,498	16665,442	37,805	10,449	517,133	9,909	14,034	4,836	2017-09-18 12:56
202,667	55,151	0,777	0,789	16043,060	16655,363	43,858	9,765	517,133	10,105	13,801	4,796	2017-09-18 12:56
202,833	55,138	0,778	0,789	16100,942	16627,454	52,665	9,197	517,132	10,042	13,932	4,819	2017-09-18 12:56
203,000	55,131	0,777	0,790	16125,446	16598,439	37,267	9,615	517,132	10,324	14,014	4,833	2017-09-18 12:57
203,167	55,125	0,778	0,790	16152,885	16696,012	33,285	9,716	517,132	9,875	13,893	4,812	2017-09-18 12:57
203,333	55,121	0,778	0,790	16152,021	16663,430	43,594	9,605	517,038	9,751	13,798	4,795	2017-09-18 12:57

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
203,500	0,208	0,577	0,558	0,257	0,343	92,756	19,920	22,228	22,062	22,006	20,640	20,688	21,412	20,105	78,447	59,730	72,981
203,667	0,211	0,573	0,558	0,252	0,345	92,798	19,898	16,376	22,069	22,009	20,639	20,687	21,394	20,108	78,481	59,730	72,967
203,834	0,207	0,571	0,558	0,254	0,349	92,714	19,919	20,859	22,061	21,997	20,639	20,687	21,394	20,105	78,389	59,730	72,977
204,000	0,209	0,589	0,558	0,260	0,343	92,622	19,935	24,063	22,042	22,002	20,642	20,688	21,407	20,105	78,684	59,729	73,017
204,167	0,209	0,601	0,558	0,249	0,347	92,648	19,929	21,124	22,066	22,003	20,656	20,683	21,393	20,107	78,566	59,742	73,028
204,334	0,205	0,610	0,558	0,248	0,344	92,664	19,932	23,294	22,053	22,006	20,644	20,669	21,405	20,107	78,680	59,746	73,093
204,500	0,211	0,618	0,557	0,249	0,340	92,750	19,945	21,947	22,065	22,014	20,645	20,691	21,394	20,108	78,541	59,757	73,097
204,667	0,206	0,617	0,557	0,254	0,345	92,823	19,939	17,307	22,045	22,002	20,648	20,673	21,419	20,109	78,717	59,764	73,129
204,834	0,204	0,614	0,558	0,249	0,343	92,869	19,960	13,100	22,060	22,009	20,650	20,693	21,400	20,113	78,787	59,764	73,145
205,000	0,206	0,604	0,557	0,257	0,346	92,790	19,941	18,918	22,061	22,003	20,654	20,687	21,410	20,113	78,833	59,784	73,194
205,167	0,207	0,594	0,557	0,256	0,347	92,794	19,907	13,772	22,071	22,006	20,647	20,691	21,409	20,113	78,764	59,810	73,225
205,334	0,207	0,563	0,557	0,250	0,351	92,814	19,930	7,218	22,061	22,015	20,645	20,695	21,406	20,115	78,877	59,832	73,226
205,500	0,210	0,571	0,557	0,246	0,347	92,795	19,920	10,313	22,071	22,022	20,660	20,694	21,413	20,116	78,696	59,839	73,239
205,667	0,210	0,560	0,557	0,249	0,347	92,744	19,944	12,399	22,054	22,014	20,651	20,679	21,411	20,117	78,599	59,845	73,259
205,834	0,212	0,558	0,557	0,248	0,350	92,785	19,951	12,616	22,070	22,015	20,661	20,690	21,417	20,119	78,509	59,850	73,228
206,000	0,209	0,575	0,557	0,251	0,344	92,769	19,987	10,127	22,072	22,013	20,656	20,692	21,414	20,124	78,544	59,853	73,179
206,167	0,206	0,580	0,557	0,258	0,346	92,760	19,976	16,137	22,068	22,030	20,666	20,687	21,413	20,125	78,683	59,849	73,128
206,334	0,208	0,589	0,557	0,250	0,346	92,673	19,960	16,992	22,060	22,025	20,658	20,696	21,413	20,124	78,748	59,842	73,122
206,500	0,209	0,566	0,557	0,263	0,347	92,640	19,974	19,431	22,056	22,004	20,648	20,682	21,410	20,121	78,602	59,836	73,135
206,667	0,213	0,547	0,557	0,255	0,350	92,632	19,982	19,688	22,068	22,023	20,665	20,700	21,427	20,127	78,580	59,840	73,159
206,833	0,213	0,543	0,557	0,249	0,346	92,659	19,985	15,425	22,075	22,032	20,668	20,702	21,421	20,127	78,630	59,851	73,154
207,000	0,207	0,558	0,557	0,252	0,340	92,655	19,985	19,041	22,086	22,029	20,687	20,708	21,422	20,133	78,553	59,862	73,143
207,167	0,206	0,568	0,557	0,249	0,344	92,720	19,952	17,097	22,083	22,036	20,663	20,707	21,439	20,129	78,466	59,869	73,148
207,333	0,207	0,571	0,557	0,253	0,345	92,832	20,036	14,913	22,122	22,060	20,697	20,711	21,445	20,148	78,602	59,878	73,116
207,500	0,206	0,577	0,556	0,262	0,346	92,793	20,008	16,391	22,086	22,030	20,669	20,704	21,427	20,136	78,529	59,879	73,078
207,667	0,205	0,584	0,557	0,255	0,345	92,822	20,049	15,191	22,076	22,034	20,677	20,712	21,439	20,136	78,483	59,874	73,066
207,833	0,205	0,576	0,557	0,253	0,345	92,854	20,032	15,242	22,105	22,045	20,702	20,716	21,446	20,147	78,532	59,865	73,060
208,000	0,208	0,569	0,557	0,253	0,342	92,851	20,077	19,493	22,107	22,060	20,688	20,733	21,436	20,155	78,485	59,863	73,060
208,167	0,206	0,565	0,557	0,247	0,350	92,811	20,061	20,212	22,097	22,051	20,680	20,735	21,438	20,144	78,482	59,871	73,036
208,333	0,208	0,563	0,556	0,249	0,347	92,782	20,092	14,699	22,081	22,054	20,668	20,708	21,434	20,140	78,428	59,871	73,017
208,500	0,206	0,585	0,557	0,252	0,348	92,753	20,074	17,833	22,102	22,062	20,689	20,726	21,441	20,152	78,482	59,871	73,023
208,667	0,204	0,590	0,556	0,250	0,347	92,752	20,065	25,378	22,097	22,058	20,696	20,730	21,430	20,152	78,575	59,874	73,024
208,833	0,206	0,581	0,556	0,254	0,346	92,683	20,040	15,819	22,107	22,051	20,693	20,719	21,447	20,148	78,578	59,882	73,023
209,000	0,209	0,569	0,556	0,253	0,346	92,623	20,022	15,553	22,080	22,055	20,684	20,720	21,441	20,145	78,504	59,889	73,048
209,167	0,210	0,559	0,556	0,251	0,350	92,615	20,032	24,081	22,081	22,067	20,696	20,724	21,446	20,149	78,405	59,902	73,075
209,333	0,206	0,561	0,556	0,254	0,352	92,682	20,056	17,993	22,097	22,060	20,698	20,727	21,457	20,160	78,478	59,912	73,058

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
203,500	55,126	0,778	0,790	16171,379	16664,556	56,133	9,418	517,039	10,272	13,740	4,785	2017-09-18 12:57
203,667	55,133	0,778	0,790	16150,720	16677,463	76,490	9,333	517,038	10,072	13,815	4,798	2017-09-18 12:57
203,834	55,138	0,778	0,790	16155,422	16603,570	52,596	9,286	517,039	10,159	13,958	4,823	2017-09-18 12:57
204,000	55,135	0,779	0,791	16203,936	16881,869	66,233	9,726	517,039	10,386	13,739	4,785	2017-09-18 12:58
204,167	55,135	0,778	0,790	16208,260	16762,232	62,814	10,035	517,038	9,975	13,871	4,808	2017-09-18 12:58
204,334	55,130	0,777	0,791	16273,552	16837,074	38,938	10,247	517,039	9,908	13,755	4,788	2017-09-18 12:58
204,500	55,137	0,777	0,790	16265,591	16704,647	76,882	10,460	516,945	9,944	13,616	4,764	2017-09-18 12:58
204,667	55,172	0,778	0,791	16269,687	16860,195	43,142	10,416	516,944	10,163	13,795	4,795	2017-09-18 12:58
204,834	55,196	0,778	0,790	16247,171	16920,351	32,712	10,343	517,039	9,946	13,703	4,779	2017-09-18 12:58
205,000	55,201	0,778	0,790	16279,528	16949,509	44,851	10,101	516,944	10,283	13,822	4,800	2017-09-18 12:59
205,167	55,200	0,778	0,791	16340,037	16877,374	53,871	9,845	516,945	10,252	13,865	4,807	2017-09-18 12:59
205,334	55,202	0,778	0,791	16339,158	16954,188	51,533	9,071	516,944	10,012	14,050	4,839	2017-09-18 12:59
205,500	55,208	0,778	0,790	16328,057	16779,941	69,635	9,265	516,944	9,844	13,865	4,807	2017-09-18 12:59
205,667	55,212	0,777	0,789	16323,600	16675,618	73,533	9,012	516,944	9,960	13,899	4,813	2017-09-18 12:59
205,834	55,216	0,777	0,790	16296,688	16586,011	80,249	8,952	516,944	9,911	14,012	4,833	2017-09-18 12:59
206,000	55,218	0,778	0,790	16263,141	16638,634	65,371	9,381	516,944	10,044	13,774	4,791	2017-09-18 13:00
206,167	55,220	0,779	0,790	16220,870	16777,176	47,923	9,496	516,944	10,322	13,824	4,800	2017-09-18 13:00
206,334	55,225	0,778	0,790	16209,485	16815,188	59,805	9,714	516,851	9,988	13,853	4,805	2017-09-18 13:00
206,500	55,241	0,778	0,791	16212,576	16706,539	63,672	9,141	516,945	10,503	13,867	4,808	2017-09-18 13:00
206,667	55,259	0,778	0,791	16215,844	16667,374	86,486	8,666	516,851	10,182	13,994	4,829	2017-09-18 13:00
206,833	55,271	0,778	0,791	16216,679	16716,816	86,972	8,569	516,851	9,972	13,845	4,804	2017-09-18 13:00
207,000	55,275	0,778	0,791	16194,506	16634,976	48,816	8,947	516,851	10,084	13,595	4,760	2017-09-18 13:01
207,167	55,279	0,778	0,790	16173,539	16539,897	47,131	9,203	516,851	9,958	13,752	4,787	2017-09-18 13:01
207,333	55,280	0,777	0,789	16131,387	16636,912	48,968	9,275	516,851	10,137	13,818	4,799	2017-09-18 13:01
207,500	55,285	0,777	0,790	16106,691	16583,118	44,302	9,416	516,758	10,474	13,841	4,803	2017-09-18 13:01
207,667	55,288	0,777	0,790	16101,864	16541,477	40,421	9,603	516,851	10,184	13,814	4,798	2017-09-18 13:01
207,833	55,296	0,777	0,790	16079,716	16592,175	37,273	9,411	516,851	10,107	13,803	4,796	2017-09-18 13:01
208,000	55,300	0,778	0,789	16066,769	16561,572	56,567	9,219	516,851	10,112	13,668	4,773	2017-09-18 13:02
208,167	55,304	0,777	0,790	16057,685	16542,696	46,710	9,122	516,851	9,880	13,987	4,828	2017-09-18 13:02
208,333	55,313	0,778	0,791	16043,802	16519,988	56,789	9,084	516,758	9,953	13,894	4,812	2017-09-18 13:02
208,500	55,331	0,778	0,791	16026,092	16559,840	48,187	9,613	516,851	10,096	13,940	4,820	2017-09-18 13:02
208,667	55,339	0,778	0,792	16044,542	16650,011	35,613	9,755	516,758	10,005	13,894	4,812	2017-09-18 13:02
208,833	55,346	0,779	0,791	16021,568	16651,423	47,044	9,530	516,758	10,169	13,839	4,803	2017-09-18 13:02
209,000	55,352	0,778	0,790	16026,000	16555,456	63,467	9,223	516,756	10,117	13,848	4,804	2017-09-18 13:03
209,167	55,358	0,778	0,791	16062,496	16462,574	68,321	8,966	516,758	10,033	14,013	4,833	2017-09-18 13:03
209,333	55,356	0,777	0,791	16043,643	16510,822	45,730	9,023	516,758	10,151	14,083	4,845	2017-09-18 13:03

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
209,500	0,207	0,582	0,556	0,252	0,349	92,651	20,032	13,545	22,107	22,080	20,696	20,737	21,444	20,159	78,439	59,920	73,035
209,667	0,205	0,587	0,556	0,252	0,347	92,651	20,047	10,776	22,094	22,062	20,700	20,737	21,459	20,156	78,456	59,916	73,017
209,833	0,206	0,582	0,556	0,249	0,351	92,600	20,048	10,435	22,080	22,052	20,701	20,726	21,437	20,148	78,393	59,909	73,016
210,000	0,206	0,579	0,556	0,257	0,351	92,599	20,037	12,540	22,079	22,056	20,698	20,731	21,453	20,152	78,456	59,906	73,021
210,167	0,208	0,577	0,555	0,252	0,347	92,565	20,055	18,291	22,089	22,076	20,709	20,763	21,467	20,172	78,458	59,916	73,013
210,333	0,209	0,564	0,555	0,251	0,347	92,596	20,040	14,297	22,098	22,075	20,694	20,741	21,449	20,156	78,458	59,917	73,032
210,500	0,208	0,565	0,555	0,252	0,346	92,537	20,049	17,952	22,073	22,067	20,690	20,729	21,451	20,151	78,420	59,924	73,036
210,667	0,209	0,569	0,555	0,253	0,347	92,588	20,081	21,739	22,121	22,098	20,732	20,762	21,494	20,186	78,406	59,940	73,051
210,834	0,210	0,565	0,555	0,256	0,345	92,553	20,047	23,984	22,096	22,071	20,705	20,744	21,462	20,164	78,355	59,937	73,044
211,000	0,210	0,569	0,555	0,252	0,342	92,533	20,062	21,040	22,091	22,062	20,717	20,728	21,444	20,164	78,365	59,943	73,039
211,167	0,209	0,579	0,555	0,258	0,345	92,539	20,055	15,928	22,080	22,063	20,704	20,726	21,450	20,157	78,239	59,947	73,017
211,334	0,208	0,576	0,555	0,254	0,350	92,553	20,032	8,780	22,093	22,080	20,700	20,735	21,454	20,157	78,290	59,948	73,019
211,500	0,208	0,578	0,555	0,257	0,348	92,556	20,044	14,090	22,091	22,076	20,704	20,736	21,462	20,163	78,379	59,949	72,986
211,667	0,209	0,573	0,555	0,258	0,348	92,503	20,036	11,593	22,097	22,074	20,713	20,738	21,457	20,163	78,319	59,937	72,992
211,834	0,209	0,576	0,555	0,255	0,348	92,517	20,038	14,154	22,101	22,088	20,706	20,732	21,446	20,163	78,381	59,939	72,992
212,000	0,208	0,595	0,555	0,246	0,347	92,471	20,052	18,690	22,097	22,084	20,725	20,751	21,454	20,165	78,409	59,941	72,987
212,167	0,207	0,623	0,555	0,255	0,344	92,452	20,044	21,372	22,097	22,071	20,711	20,739	21,455	20,164	78,543	59,947	72,985
212,334	0,207	0,611	0,554	0,257	0,343	92,470	20,072	24,209	22,105	22,074	20,704	20,747	21,462	20,171	78,468	59,943	73,008
212,500	0,205	0,585	0,555	0,251	0,343	92,522	20,065	18,161	22,096	22,076	20,708	20,742	21,462	20,171	78,589	59,943	73,025
212,667	0,206	0,595	0,555	0,252	0,352	92,555	20,073	13,918	22,108	22,090	20,731	20,765	21,467	20,180	78,621	59,953	73,064
212,834	0,206	0,592	0,555	0,257	0,347	92,533	20,046	15,948	22,081	22,070	20,709	20,747	21,451	20,167	78,603	59,955	73,089
213,000	0,205	0,571	0,555	0,246	0,352	92,522	20,052	15,337	22,101	22,091	20,730	20,743	21,450	20,171	78,603	59,961	73,118
213,167	0,208	0,577	0,555	0,255	0,352	92,472	20,060	17,640	22,100	22,089	20,725	20,750	21,479	20,173	78,540	59,965	73,133
213,333	0,207	0,578	0,554	0,253	0,348	92,557	20,031	16,032	22,095	22,075	20,727	20,756	21,459	20,172	78,590	59,975	73,135
213,500	0,208	0,557	0,554	0,257	0,344	92,488	20,031	15,654	22,116	22,088	20,729	20,748	21,467	20,173	78,593	59,983	73,109
213,667	0,215	0,549	0,555	0,264	0,349	92,448	20,034	11,713	22,125	22,079	20,740	20,747	21,467	20,175	78,433	59,980	73,117
213,833	0,213	0,547	0,554	0,253	0,350	92,519	20,041	9,081	22,134	22,087	20,717	20,748	21,463	20,176	78,510	59,980	73,139
214,000	0,213	0,567	0,554	0,251	0,347	92,565	20,043	13,329	22,116	22,079	20,710	20,756	21,471	20,175	78,458	59,984	73,095
214,167	0,209	0,587	0,554	0,252	0,345	92,475	20,044	21,816	22,114	22,093	20,725	20,747	21,473	20,177	78,486	59,982	73,098
214,333	0,211	0,603	0,554	0,244	0,347	92,445	20,061	26,637	22,105	22,093	20,737	20,741	21,466	20,180	78,663	59,984	73,087
214,500	0,207	0,586	0,554	0,254	0,345	92,481	20,035	17,218	22,123	22,091	20,722	20,761	21,475	20,179	78,725	59,978	73,086
214,667	0,208	0,575	0,554	0,254	0,344	92,488	20,058	18,222	22,130	22,086	20,731	20,748	21,474	20,180	78,711	59,972	73,137
214,833	0,210	0,572	0,554	0,246	0,341	92,508	20,030	13,800	22,126	22,084	20,725	20,751	21,479	20,186	78,652	59,978	73,178
215,000	0,209	0,559	0,554	0,248	0,347	92,622	20,026	7,645	22,138	22,092	20,719	20,758	21,483	20,189	78,417	59,986	73,208
215,167	0,207	0,588	0,553	0,251	0,342	92,713	20,024	3,970	22,130	22,098	20,739	20,763	21,481	20,190	78,571	60,000	73,213
215,333	0,205	0,621	0,554	0,249	0,344	92,735	20,024	6,452	22,125	22,090	20,738	20,765	21,481	20,185	78,543	60,003	73,152

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
209,500	55,358	0,777	0,790	16007,579	16464,784	48,913	9,550	516,758	10,097	13,970	4,825	2017-09-18 13:03
209,667	55,363	0,777	0,790	15978,199	16481,739	40,623	9,685	516,757	10,095	13,892	4,812	2017-09-18 13:03
209,833	55,364	0,777	0,790	15984,314	16424,435	44,403	9,552	516,758	9,964	14,041	4,837	2017-09-18 13:03
210,000	55,371	0,778	0,791	15989,791	16509,891	47,131	9,472	516,758	10,292	14,025	4,835	2017-09-18 13:04
210,167	55,380	0,779	0,792	15995,147	16514,141	55,289	9,431	516,617	10,072	13,872	4,808	2017-09-18 13:04
210,333	55,386	0,779	0,792	16006,170	16516,889	66,219	9,107	516,617	10,053	13,882	4,810	2017-09-18 13:04
210,500	55,392	0,779	0,791	15997,587	16474,592	58,520	9,122	516,618	10,077	13,826	4,800	2017-09-18 13:04
210,667	55,405	0,777	0,791	15989,972	16416,914	65,955	9,230	516,617	10,127	13,869	4,808	2017-09-18 13:04
210,834	55,405	0,778	0,790	15974,632	16385,105	70,145	9,120	516,617	10,259	13,809	4,797	2017-09-18 13:04
211,000	55,402	0,778	0,791	15975,995	16392,590	69,138	9,219	516,618	10,089	13,672	4,774	2017-09-18 13:05
211,167	55,403	0,778	0,791	15959,311	16268,452	63,912	9,477	516,618	10,320	13,817	4,799	2017-09-18 13:05
211,334	55,405	0,779	0,790	15948,842	16334,653	60,108	9,403	516,618	10,149	13,986	4,828	2017-09-18 13:05
211,500	55,405	0,778	0,791	15927,048	16390,649	55,302	9,450	516,618	10,279	13,910	4,815	2017-09-18 13:05
211,667	55,409	0,778	0,792	15946,339	16350,394	64,958	9,331	516,617	10,329	13,937	4,820	2017-09-18 13:05
211,834	55,411	0,778	0,791	15933,444	16410,660	66,209	9,407	516,524	10,214	13,905	4,814	2017-09-18 13:05
212,000	55,415	0,778	0,792	15936,535	16425,972	56,272	9,880	516,617	9,848	13,877	4,809	2017-09-18 13:06
212,167	55,417	0,778	0,791	15930,025	16551,629	50,873	10,563	516,524	10,213	13,763	4,789	2017-09-18 13:06
212,334	55,414	0,777	0,791	15939,364	16468,112	53,836	10,265	516,430	10,267	13,714	4,781	2017-09-18 13:06
212,500	55,411	0,778	0,791	15958,053	16591,193	39,369	9,635	516,524	10,041	13,714	4,781	2017-09-18 13:06
212,667	55,413	0,778	0,791	16006,018	16610,034	45,022	9,875	516,524	10,099	14,080	4,844	2017-09-18 13:06
212,834	55,413	0,777	0,791	16021,723	16577,351	43,941	9,804	516,524	10,284	13,880	4,810	2017-09-18 13:06
213,000	55,411	0,777	0,790	16032,353	16574,309	42,169	9,281	516,524	9,830	14,064	4,842	2017-09-18 13:07
213,167	55,414	0,778	0,791	16050,724	16519,156	57,203	9,422	516,524	10,188	14,064	4,841	2017-09-18 13:07
213,333	55,410	0,778	0,790	16048,269	16564,750	52,981	9,440	516,430	10,139	13,931	4,819	2017-09-18 13:07
213,500	55,414	0,778	0,791	16029,950	16566,172	55,285	8,916	516,430	10,288	13,771	4,791	2017-09-18 13:07
213,667	55,417	0,778	0,790	16032,293	16420,121	101,259	8,718	516,524	10,563	13,948	4,821	2017-09-18 13:07
213,833	55,415	0,777	0,791	16058,533	16473,227	90,540	8,683	516,430	10,105	13,987	4,828	2017-09-18 13:07
214,000	55,417	0,778	0,791	16016,535	16446,018	87,393	9,171	516,430	10,024	13,886	4,811	2017-09-18 13:08
214,167	55,417	0,778	0,791	16028,217	16467,458	61,549	9,685	516,430	10,085	13,804	4,796	2017-09-18 13:08
214,333	55,414	0,778	0,791	16009,072	16632,813	75,489	10,085	516,430	9,779	13,891	4,812	2017-09-18 13:08
214,500	55,414	0,778	0,790	16004,043	16674,258	51,015	9,641	516,430	10,162	13,807	4,797	2017-09-18 13:08
214,667	55,414	0,777	0,790	16043,211	16654,122	59,698	9,381	516,430	10,165	13,771	4,791	2017-09-18 13:08
214,833	55,414	0,777	0,790	16078,324	16602,756	72,119	9,303	516,337	9,841	13,649	4,770	2017-09-18 13:08
215,000	55,415	0,778	0,790	16104,033	16393,047	61,216	8,987	516,430	9,918	13,876	4,809	2017-09-18 13:09
215,167	55,411	0,778	0,790	16121,888	16534,221	49,653	9,708	516,260	10,052	13,693	4,777	2017-09-18 13:09
215,333	55,392	0,779	0,790	16066,967	16510,137	39,167	10,533	516,337	9,948	13,772	4,791	2017-09-18 13:09

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
215,500	0,205	0,626	0,554	0,255	0,348	92,744	20,026	15,034	22,128	22,078	20,749	20,763	21,483	20,188	78,655	60,000	73,141
215,667	0,206	0,609	0,554	0,253	0,346	92,782	20,044	21,841	22,141	22,104	20,740	20,781	21,490	20,202	78,648	59,992	73,144
215,833	0,206	0,608	0,554	0,248	0,349	92,686	20,030	25,806	22,132	22,099	20,750	20,763	21,485	20,192	78,678	59,974	73,172
216,000	0,207	0,616	0,553	0,249	0,342	92,683	19,999	21,186	22,133	22,073	20,735	20,768	21,482	20,184	78,795	59,955	73,174
216,167	0,206	0,600	0,553	0,262	0,342	92,720	20,015	20,422	22,125	22,105	20,750	20,770	21,491	20,193	78,827	59,953	73,203
216,333	0,208	0,587	0,553	0,253	0,350	92,735	20,008	12,425	22,130	22,094	20,741	20,773	21,479	20,186	78,760	59,949	73,232
216,500	0,206	0,592	0,553	0,254	0,347	92,723	19,983	11,146	22,130	22,096	20,735	20,760	21,474	20,185	78,656	59,955	73,255
216,667	0,211	0,587	0,553	0,249	0,346	92,756	19,994	14,060	22,141	22,095	20,763	20,763	21,474	20,189	78,717	59,960	73,255
216,833	0,208	0,588	0,553	0,248	0,349	92,789	20,054	21,277	22,138	22,107	20,745	20,773	21,494	20,190	78,703	59,964	73,236
217,000	0,205	0,601	0,553	0,249	0,346	92,869	20,015	21,066	22,128	22,087	20,745	20,766	21,491	20,193	78,705	59,959	73,233
217,167	0,204	0,598	0,553	0,248	0,348	92,859	20,002	21,803	22,105	22,092	20,738	20,773	21,490	20,190	78,669	59,957	73,221
217,334	0,205	0,588	0,553	0,246	0,345	92,817	20,012	18,968	22,118	22,082	20,735	20,773	21,490	20,188	78,618	59,957	73,214
217,500	0,208	0,555	0,553	0,251	0,344	92,822	20,098	14,968	22,129	22,109	20,742	20,776	21,491	20,190	78,638	59,941	73,225
217,667	0,210	0,553	0,553	0,250	0,344	92,784	20,059	19,710	22,123	22,095	20,760	20,772	21,498	20,198	78,648	59,940	73,206
217,834	0,209	0,570	0,553	0,240	0,348	92,678	20,045	19,297	22,128	22,105	20,750	20,763	21,493	20,194	78,634	59,929	73,164
218,000	0,208	0,573	0,553	0,252	0,345	92,702	20,019	13,934	22,140	22,110	20,764	20,789	21,503	20,202	78,611	59,914	73,167
218,167	0,208	0,568	0,553	0,247	0,348	92,665	20,027	22,299	22,125	22,090	20,755	20,791	21,499	20,200	78,553	59,906	73,168
218,334	0,211	0,562	0,553	0,257	0,345	92,682	20,004	21,446	22,115	22,092	20,754	20,768	21,481	20,194	78,529	59,904	73,160
218,500	0,210	0,558	0,553	0,254	0,352	92,630	20,021	19,784	22,117	22,098	20,758	20,789	21,500	20,197	78,454	59,908	73,140
218,667	0,208	0,555	0,553	0,250	0,349	92,614	20,044	10,449	22,128	22,104	20,762	20,775	21,494	20,200	78,436	59,902	73,089
218,834	0,208	0,551	0,553	0,249	0,346	92,669	20,033	9,677	22,121	22,100	20,762	20,767	21,498	20,197	78,423	59,896	73,059
219,000	0,207	0,568	0,553	0,254	0,346	92,652	20,065	9,401	22,129	22,112	20,764	20,800	21,503	20,202	78,479	59,881	73,044
219,167	0,206	0,584	0,553	0,252	0,347	92,621	20,091	15,838	22,115	22,102	20,764	20,775	21,494	20,202	78,385	59,873	73,029
219,334	0,204	0,588	0,552	0,252	0,346	92,583	20,076	23,730	22,120	22,086	20,770	20,788	21,495	20,205	78,548	59,870	73,054
219,500	0,206	0,592	0,552	0,250	0,342	92,633	20,032	23,071	22,112	22,093	20,778	20,774	21,514	20,205	78,555	59,869	73,056
219,667	0,204	0,586	0,552	0,248	0,351	92,635	20,020	21,957	22,103	22,102	20,780	20,783	21,501	20,206	78,489	59,862	73,089
219,834	0,207	0,574	0,552	0,252	0,348	92,657	20,038	13,808	22,103	22,086	20,774	20,779	21,485	20,205	78,557	59,863	73,100
220,000	0,206	0,579	0,552	0,253	0,346	92,628	20,041	12,404	22,115	22,098	20,778	20,778	21,490	20,210	78,598	59,863	73,086
220,167	0,205	0,611	0,552	0,246	0,346	92,652	20,030	19,530	22,125	22,105	20,790	20,783	21,520	20,214	78,583	59,859	73,102
220,333	0,204	0,628	0,552	0,254	0,343	92,640	20,024	12,619	22,115	22,077	20,776	20,772	21,505	20,209	78,618	59,858	73,113
220,500	0,205	0,620	0,552	0,250	0,348	92,682	20,062	11,664	22,137	22,097	20,787	20,814	21,515	20,222	78,626	59,870	73,122
220,667	0,206	0,592	0,552	0,249	0,353	92,706	19,993	17,146	22,125	22,094	20,805	20,784	21,503	20,212	78,678	59,879	73,140
220,833	0,204	0,582	0,552	0,252	0,352	92,682	20,020	22,780	22,131	22,093	20,778	20,787	21,499	20,212	78,474	59,890	73,148
221,000	0,204	0,590	0,552	0,254	0,348	92,687	20,006	21,571	22,135	22,097	20,775	20,786	21,509	20,214	78,687	59,898	73,185
221,167	0,205	0,603	0,552	0,254	0,347	92,764	20,003	8,594	22,133	22,088	20,778	20,784	21,514	20,214	78,719	59,906	73,172
221,333	0,204	0,588	0,552	0,260	0,340	92,781	19,967	11,358	22,125	22,084	20,773	20,787	21,509	20,212	78,705	59,908	73,178

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
215,500	55,364	0,778	0,790	16085,705	16607,491	36,641	10,650	516,337	10,199	13,926	4,818	2017-09-18 13:09
215,667	55,346	0,779	0,791	16124,157	16614,957	48,385	10,217	516,337	10,122	13,841	4,803	2017-09-18 13:09
215,833	55,338	0,778	0,790	16150,788	16641,097	44,872	10,198	516,337	9,935	13,943	4,821	2017-09-18 13:09
216,000	55,340	0,777	0,790	16137,059	16744,268	53,207	10,402	516,242	9,945	13,684	4,776	2017-09-18 13:10
216,167	55,335	0,778	0,790	16182,680	16785,962	47,148	10,003	516,242	10,494	13,668	4,773	2017-09-18 13:10
216,333	55,334	0,778	0,790	16199,622	16741,843	56,762	9,669	516,242	10,120	13,989	4,829	2017-09-18 13:10
216,500	55,332	0,777	0,790	16222,642	16625,531	46,912	9,806	516,242	10,151	13,876	4,809	2017-09-18 13:10
216,667	55,331	0,778	0,790	16225,141	16690,698	74,193	9,682	516,242	9,955	13,843	4,803	2017-09-18 13:10
216,833	55,335	0,778	0,790	16208,514	16667,452	59,868	9,701	516,242	9,919	13,974	4,826	2017-09-18 13:10
217,000	55,331	0,778	0,790	16199,102	16673,109	39,619	10,023	516,242	9,957	13,839	4,803	2017-09-18 13:11
217,167	55,327	0,777	0,789	16184,037	16633,811	36,012	9,954	516,242	9,917	13,919	4,816	2017-09-18 13:11
217,334	55,311	0,778	0,790	16212,182	16598,847	36,492	9,688	516,242	9,831	13,786	4,793	2017-09-18 13:11
217,500	55,297	0,779	0,791	16239,404	16652,788	56,470	8,874	516,242	10,053	13,776	4,792	2017-09-18 13:11
217,667	55,291	0,778	0,791	16237,089	16644,819	69,770	8,829	516,242	9,980	13,756	4,788	2017-09-18 13:11
217,834	55,285	0,777	0,790	16184,685	16627,875	62,231	9,260	516,149	9,614	13,911	4,815	2017-09-18 13:11
218,000	55,284	0,778	0,790	16183,531	16630,351	60,969	9,317	516,149	10,087	13,807	4,797	2017-09-18 13:12
218,167	55,281	0,778	0,790	16190,720	16600,084	57,356	9,209	516,149	9,878	13,931	4,819	2017-09-18 13:12
218,334	55,280	0,778	0,791	16205,229	16580,886	74,409	9,046	516,149	10,274	13,809	4,797	2017-09-18 13:12
218,500	55,279	0,778	0,790	16176,828	16502,355	71,865	8,941	516,149	10,174	14,064	4,841	2017-09-18 13:12
218,667	55,275	0,779	0,791	16147,733	16506,956	57,196	8,881	516,149	10,020	13,954	4,822	2017-09-18 13:12
218,834	55,275	0,777	0,791	16114,697	16472,421	56,717	8,785	516,242	9,961	13,835	4,802	2017-09-18 13:12
219,000	55,275	0,778	0,790	16090,649	16542,386	51,324	9,188	516,149	10,166	13,823	4,800	2017-09-18 13:13
219,167	55,267	0,778	0,790	16078,120	16473,362	47,336	9,590	516,149	10,074	13,898	4,813	2017-09-18 13:13
219,334	55,257	0,778	0,790	16114,150	16617,653	35,581	9,696	516,055	10,099	13,821	4,799	2017-09-18 13:13
219,500	55,253	0,777	0,789	16101,989	16613,917	42,701	9,796	516,056	10,019	13,676	4,774	2017-09-18 13:13
219,667	55,245	0,777	0,790	16146,720	16565,397	34,324	9,659	516,055	9,902	14,053	4,840	2017-09-18 13:13
219,834	55,244	0,777	0,790	16165,113	16613,204	52,613	9,347	516,055	10,089	13,913	4,815	2017-09-18 13:13
220,000	55,248	0,778	0,790	16140,208	16670,466	45,498	9,476	516,055	10,129	13,848	4,804	2017-09-18 13:14
220,167	55,271	0,777	0,790	16143,437	16634,641	36,808	10,284	516,056	9,833	13,853	4,805	2017-09-18 13:14
220,333	55,287	0,777	0,791	16149,806	16680,024	31,930	10,688	516,056	10,160	13,738	4,785	2017-09-18 13:14
220,500	55,297	0,778	0,790	16137,031	16681,715	38,955	10,489	516,056	10,011	13,925	4,818	2017-09-18 13:14
220,667	55,296	0,777	0,790	16144,219	16705,925	42,721	9,812	516,055	9,972	14,116	4,850	2017-09-18 13:14
220,833	55,293	0,777	0,790	16169,092	16519,932	35,116	9,548	515,963	10,095	14,074	4,843	2017-09-18 13:14
221,000	55,295	0,778	0,791	16219,280	16725,447	34,761	9,746	515,963	10,149	13,935	4,819	2017-09-18 13:15
221,167	55,288	0,778	0,791	16202,457	16741,371	36,638	10,079	515,963	10,152	13,879	4,810	2017-09-18 13:15
221,333	55,280	0,777	0,790	16200,513	16709,627	34,147	9,700	516,055	10,390	13,597	4,760	2017-09-18 13:15

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
221,500	0,205	0,576	0,552	0,254	0,347	92,806	19,997	12,591	22,136	22,085	20,790	20,782	21,522	20,217	78,680	59,902	73,193
221,667	0,206	0,579	0,552	0,244	0,350	92,853	19,979	7,135	22,128	22,092	20,783	20,804	21,511	20,220	78,605	59,906	73,206
221,833	0,206	0,585	0,552	0,254	0,351	92,823	19,983	2,469	22,123	22,076	20,786	20,778	21,510	20,214	78,744	59,909	73,208
222,000	0,203	0,594	0,552	0,253	0,349	92,778	20,001	11,690	22,144	22,085	20,794	20,800	21,532	20,221	78,642	59,908	73,202
222,167	0,208	0,582	0,552	0,260	0,349	92,749	19,971	17,193	22,116	22,096	20,787	20,786	21,518	20,218	78,722	59,906	73,210
222,333	0,208	0,553	0,552	0,255	0,350	92,695	20,023	15,636	22,139	22,101	20,800	20,798	21,510	20,225	78,726	59,898	73,209
222,500	0,210	0,557	0,552	0,252	0,341	92,761	20,038	15,535	22,123	22,088	20,792	20,797	21,518	20,221	78,505	59,910	73,214
222,667	0,207	0,573	0,552	0,250	0,346	92,791	20,017	11,442	22,131	22,093	20,796	20,785	21,530	20,226	78,706	59,921	73,224
222,833	0,204	0,596	0,551	0,255	0,342	92,846	19,940	8,626	22,126	22,100	20,799	20,805	21,527	20,229	78,733	59,925	73,185
223,000	0,204	0,612	0,551	0,259	0,343	92,837	19,972	7,380	22,122	22,084	20,804	20,795	21,523	20,220	78,903	59,918	73,201
223,167	0,203	0,597	0,551	0,253	0,344	92,792	19,988	12,691	22,109	22,079	20,782	20,801	21,518	20,220	78,911	59,918	73,233
223,333	0,208	0,570	0,551	0,254	0,350	92,808	19,988	17,195	22,110	22,072	20,805	20,808	21,518	20,224	78,811	59,921	73,275
223,500	0,210	0,546	0,551	0,248	0,349	92,758	19,956	18,130	22,099	22,085	20,800	20,797	21,503	20,217	78,694	59,917	73,313
223,667	0,206	0,545	0,551	0,250	0,344	92,687	19,971	15,153	22,113	22,094	20,801	20,778	21,517	20,221	78,725	59,928	73,322
223,833	0,207	0,550	0,551	0,254	0,350	92,656	19,953	18,831	22,105	22,069	20,800	20,792	21,510	20,220	78,652	59,929	73,260
224,000	0,208	0,538	0,551	0,253	0,348	92,624	19,996	11,813	22,096	22,085	20,803	20,783	21,518	20,221	78,726	59,922	73,249
224,167	0,208	0,534	0,551	0,253	0,351	92,623	19,955	9,908	22,092	22,072	20,804	20,782	21,514	20,220	78,599	59,921	73,240
224,334	0,209	0,529	0,551	0,252	0,344	92,651	19,911	12,773	22,119	22,092	20,799	20,792	21,515	20,224	78,595	59,928	73,212
224,500	0,209	0,567	0,551	0,256	0,348	92,695	19,920	16,963	22,110	22,085	20,800	20,805	21,517	20,224	78,578	59,927	73,172
224,667	0,207	0,618	0,551	0,249	0,353	92,591	19,950	19,968	22,103	22,085	20,801	20,798	21,518	20,222	78,722	59,920	73,147
224,834	0,205	0,622	0,551	0,250	0,345	92,596	19,975	11,315	22,077	22,090	20,822	20,798	21,521	20,226	78,663	59,909	73,164
225,000	0,204	0,625	0,551	0,247	0,347	92,615	19,921	6,138	22,093	22,087	20,816	20,795	21,522	20,224	78,657	59,916	73,197
225,167	0,204	0,633	0,551	0,253	0,348	92,592	19,912	8,646	22,096	22,079	20,804	20,792	21,532	20,226	78,823	59,921	73,205
225,334	0,204	0,614	0,551	0,258	0,345	92,551	19,924	8,975	22,101	22,081	20,799	20,799	21,513	20,226	78,775	59,927	73,217
225,500	0,204	0,585	0,551	0,246	0,347	92,470	19,957	6,962	22,083	22,088	20,804	20,799	21,519	20,226	78,776	59,917	73,275
225,667	0,210	0,555	0,550	0,250	0,345	92,465	19,967	9,322	22,100	22,074	20,812	20,800	21,524	20,228	78,717	59,931	73,267
225,834	0,208	0,566	0,551	0,250	0,348	92,523	19,947	12,561	22,084	22,072	20,804	20,791	21,526	20,225	78,680	59,931	73,245
226,000	0,206	0,594	0,551	0,257	0,348	92,530	19,933	19,822	22,077	22,062	20,811	20,798	21,521	20,225	78,648	59,932	73,226
226,167	0,207	0,569	0,550	0,252	0,348	92,466	19,982	21,525	22,080	22,064	20,809	20,796	21,521	20,229	78,660	59,924	73,212
226,334	0,210	0,536	0,550	0,250	0,346	92,457	19,999	20,824	22,076	22,061	20,815	20,805	21,515	20,230	78,621	59,931	73,205
226,500	0,209	0,545	0,550	0,254	0,338	92,475	19,970	19,556	22,092	22,088	20,823	20,794	21,527	20,232	78,566	59,931	73,171
226,667	0,206	0,573	0,550	0,247	0,343	92,528	19,978	16,367	22,089	22,079	20,809	20,803	21,527	20,229	78,606	59,924	73,149
226,834	0,204	0,603	0,550	0,253	0,346	92,553	19,959	22,814	22,093	22,075	20,816	20,803	21,531	20,233	78,714	59,927	73,131
227,000	0,207	0,623	0,550	0,257	0,347	92,562	19,942	24,580	22,095	22,062	20,834	20,820	21,530	20,236	78,765	59,918	73,132
227,167	0,204	0,614	0,550	0,254	0,347	92,564	19,921	23,426	22,070	22,071	20,828	20,786	21,532	20,233	78,723	59,918	73,159
227,333	0,208	0,593	0,550	0,249	0,343	92,541	19,932	25,278	22,080	22,074	20,830	20,796	21,525	20,234	78,796	59,918	73,198

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
221,500	55,277	0,778	0,791	16232,235	16702,499	41,467	9,408	515,963	10,157	13,861	4,806	2017-09-18 13:15
221,667	55,271	0,778	0,791	16264,485	16629,895	45,456	9,463	515,963	9,761	13,992	4,829	2017-09-18 13:15
221,833	55,271	0,778	0,791	16264,756	16759,624	42,537	9,636	515,962	10,162	14,037	4,837	2017-09-18 13:15
222,000	55,276	0,777	0,790	16233,964	16649,079	28,223	9,860	515,963	10,115	13,946	4,821	2017-09-18 13:16
222,167	55,287	0,777	0,790	16218,625	16722,438	59,753	9,540	515,963	10,383	13,974	4,826	2017-09-18 13:16
222,333	55,295	0,777	0,790	16214,261	16742,986	58,044	8,829	515,963	10,191	13,985	4,828	2017-09-18 13:16
222,500	55,300	0,777	0,790	16219,116	16526,844	68,116	8,916	515,963	10,090	13,657	4,771	2017-09-18 13:16
222,667	55,299	0,777	0,791	16246,988	16702,775	53,009	9,319	515,963	10,001	13,838	4,802	2017-09-18 13:16
222,833	55,299	0,778	0,791	16220,781	16730,192	33,809	9,910	515,820	10,204	13,694	4,777	2017-09-18 13:16
223,000	55,291	0,778	0,791	16224,457	16884,643	30,495	10,309	515,820	10,364	13,737	4,785	2017-09-18 13:17
223,167	55,287	0,777	0,790	16246,207	16878,731	28,476	9,919	515,820	10,124	13,778	4,792	2017-09-18 13:17
223,333	55,285	0,778	0,791	16299,318	16800,508	60,326	9,245	515,820	10,150	13,981	4,827	2017-09-18 13:17
223,500	55,276	0,777	0,790	16333,063	16678,297	70,507	8,660	515,820	9,918	13,957	4,823	2017-09-18 13:17
223,667	55,280	0,778	0,790	16324,011	16717,899	48,215	8,619	515,821	10,018	13,777	4,792	2017-09-18 13:17
223,833	55,283	0,777	0,790	16274,031	16635,534	53,652	8,744	515,820	10,179	13,981	4,827	2017-09-18 13:17
224,000	55,289	0,777	0,791	16269,767	16710,254	59,517	8,442	515,820	10,106	13,914	4,816	2017-09-18 13:18
224,167	55,296	0,778	0,791	16264,377	16625,168	58,158	8,353	515,820	10,123	14,025	4,835	2017-09-18 13:18
224,334	55,301	0,778	0,790	16214,452	16603,873	64,805	8,236	515,727	10,080	13,741	4,785	2017-09-18 13:18
224,500	55,307	0,777	0,790	16180,197	16579,841	63,283	9,181	515,726	10,230	13,931	4,818	2017-09-18 13:18
224,667	55,309	0,777	0,790	16151,932	16707,720	49,656	10,447	515,726	9,946	14,127	4,852	2017-09-18 13:18
224,834	55,305	0,777	0,790	16160,246	16675,523	38,563	10,540	515,727	9,992	13,812	4,798	2017-09-18 13:18
225,000	55,301	0,777	0,791	16216,146	16665,657	30,780	10,621	515,726	9,879	13,861	4,806	2017-09-18 13:19
225,167	55,300	0,778	0,791	16227,621	16821,041	33,907	10,832	515,727	10,126	13,926	4,818	2017-09-18 13:19
225,334	55,295	0,777	0,790	16226,439	16743,193	35,536	10,347	515,727	10,313	13,785	4,793	2017-09-18 13:19
225,500	55,295	0,777	0,791	16288,147	16755,504	32,242	9,614	515,726	9,823	13,888	4,811	2017-09-18 13:19
225,667	55,297	0,777	0,790	16272,202	16688,325	68,120	8,880	515,633	9,982	13,803	4,796	2017-09-18 13:19
225,834	55,301	0,777	0,790	16246,020	16666,206	55,570	9,143	515,727	9,981	13,904	4,814	2017-09-18 13:19
226,000	55,309	0,777	0,790	16212,539	16634,827	44,803	9,853	515,727	10,282	13,921	4,817	2017-09-18 13:20
226,167	55,312	0,777	0,791	16225,324	16662,530	50,998	9,228	515,633	10,065	13,934	4,819	2017-09-18 13:20
226,334	55,315	0,778	0,791	16218,981	16630,566	69,336	8,410	515,633	9,982	13,860	4,806	2017-09-18 13:20
226,500	55,317	0,777	0,791	16172,074	16567,107	63,735	8,620	515,633	10,167	13,532	4,749	2017-09-18 13:20
226,667	55,316	0,777	0,790	16134,134	16602,207	42,812	9,319	515,633	9,879	13,704	4,779	2017-09-18 13:20
226,834	55,317	0,777	0,790	16132,445	16694,505	30,787	10,064	515,633	10,102	13,834	4,802	2017-09-18 13:20
227,000	55,317	0,777	0,790	16119,886	16750,370	50,192	10,580	515,633	10,262	13,879	4,810	2017-09-18 13:21
227,167	55,317	0,779	0,790	16142,746	16748,789	34,953	10,350	515,539	10,144	13,881	4,810	2017-09-18 13:21
227,333	55,311	0,777	0,791	16205,259	16776,658	57,860	9,824	515,633	9,974	13,717	4,781	2017-09-18 13:21

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
227,500	0,205	0,598	0,550	0,256	0,346	92,493	19,955	24,906	22,084	22,067	20,820	20,796	21,534	20,234	78,754	59,931	73,222
227,667	0,204	0,595	0,550	0,252	0,342	92,495	19,924	26,980	22,087	22,079	20,823	20,802	21,535	20,237	78,822	59,933	73,237
227,833	0,206	0,577	0,550	0,259	0,345	92,526	19,932	22,933	22,078	22,069	20,838	20,796	21,531	20,237	78,802	59,936	73,245
228,000	0,206	0,573	0,550	0,247	0,345	92,590	19,949	14,555	22,089	22,083	20,833	20,802	21,523	20,236	78,688	59,941	73,244
228,167	0,205	0,596	0,550	0,250	0,348	92,599	19,963	19,463	22,089	22,082	20,823	20,800	21,530	20,238	78,711	59,943	73,228
228,333	0,205	0,606	0,550	0,251	0,348	92,598	19,966	18,297	22,088	22,066	20,828	20,811	21,533	20,238	78,706	59,944	73,212
228,500	0,205	0,596	0,550	0,252	0,344	92,603	19,937	13,914	22,088	22,065	20,838	20,806	21,535	20,238	78,713	59,939	73,210
228,667	0,204	0,593	0,550	0,256	0,343	92,689	19,950	12,969	22,063	22,070	20,828	20,810	21,522	20,237	78,842	59,940	73,229
228,833	0,205	0,595	0,550	0,251	0,347	92,651	19,932	9,313	22,080	22,069	20,834	20,802	21,529	20,238	78,849	59,941	73,232
229,000	0,204	0,572	0,549	0,252	0,349	92,632	19,937	9,678	22,072	22,071	20,828	20,813	21,543	20,238	78,682	59,941	73,272
229,167	0,206	0,576	0,549	0,250	0,349	92,624	19,924	10,275	22,057	22,063	20,838	20,808	21,534	20,237	78,624	59,948	73,290
229,333	0,205	0,584	0,549	0,251	0,348	92,578	19,919	11,350	22,078	22,063	20,828	20,817	21,525	20,238	78,884	59,963	73,235
229,500	0,206	0,605	0,549	0,253	0,349	92,556	19,897	13,424	22,069	22,067	20,834	20,803	21,529	20,236	78,842	59,959	73,217
229,667	0,204	0,619	0,549	0,250	0,349	92,523	19,906	10,786	22,056	22,070	20,834	20,791	21,526	20,238	78,780	59,945	73,263
229,833	0,203	0,620	0,549	0,245	0,344	92,532	19,914	8,369	22,057	22,053	20,834	20,800	21,523	20,241	78,869	59,943	73,298
230,000	0,206	0,593	0,549	0,250	0,343	92,502	19,920	20,244	22,063	22,054	20,847	20,810	21,529	20,240	78,969	59,957	73,309
230,167	0,207	0,558	0,549	0,255	0,341	92,399	19,924	21,405	22,062	22,057	20,849	20,802	21,530	20,238	78,767	59,960	73,332
230,333	0,208	0,537	0,549	0,253	0,346	92,405	19,876	18,224	22,054	22,045	20,840	20,798	21,539	20,244	78,644	59,963	73,363
230,500	0,207	0,543	0,549	0,255	0,353	92,329	19,825	16,782	22,069	22,058	20,841	20,793	21,533	20,240	78,799	59,972	73,320
230,667	0,206	0,550	0,549	0,250	0,346	92,321	19,846	16,552	22,062	22,057	20,845	20,803	21,535	20,244	78,477	59,971	73,237
230,834	0,204	0,550	0,549	0,245	0,344	92,331	19,851	21,132	22,052	22,050	20,846	20,810	21,542	20,241	78,443	59,953	73,226
231,000	0,206	0,550	0,549	0,252	0,347	92,333	19,817	13,033	22,054	22,052	20,851	20,803	21,534	20,245	78,381	59,945	73,179
231,167	0,207	0,568	0,549	0,248	0,349	92,290	19,890	20,995	22,052	22,060	20,861	20,806	21,529	20,246	78,477	59,940	73,116
231,334	0,204	0,573	0,549	0,249	0,347	92,280	19,881	20,781	22,056	22,044	20,853	20,785	21,525	20,240	78,267	59,922	73,083
231,500	0,208	0,560	0,549	0,258	0,344	92,313	19,869	21,840	22,069	22,043	20,859	20,802	21,527	20,244	78,228	59,912	73,059
231,667	0,208	0,555	0,549	0,254	0,348	92,224	19,863	10,267	22,039	22,050	20,849	20,808	21,542	20,244	78,284	59,900	73,017
231,834	0,206	0,547	0,549	0,256	0,344	92,170	19,862	15,247	22,050	22,056	20,853	20,801	21,540	20,242	78,236	59,897	72,986
232,000	0,208	0,560	0,549	0,250	0,345	92,160	19,889	20,901	22,067	22,050	20,855	20,810	21,542	20,245	78,276	59,885	72,959
232,167	0,205	0,596	0,549	0,245	0,348	92,185	19,852	17,951	22,054	22,040	20,842	20,789	21,529	20,245	78,088	59,878	72,921
232,334	0,204	0,614	0,549	0,241	0,345	92,190	19,809	15,484	22,061	22,048	20,854	20,808	21,535	20,245	78,485	59,871	72,911
232,500	0,205	0,604	0,549	0,249	0,347	92,144	19,866	18,821	22,053	22,047	20,849	20,802	21,541	20,246	78,301	59,862	72,896
232,667	0,207	0,581	0,549	0,247	0,352	92,040	19,864	14,822	22,074	22,048	20,863	20,808	21,547	20,249	78,414	59,867	72,948
232,834	0,209	0,570	0,549	0,256	0,347	92,047	19,905	18,272	22,051	22,045	20,861	20,806	21,547	20,249	78,436	59,870	72,959
233,000	0,210	0,574	0,548	0,249	0,343	91,975	19,914	8,344	22,060	22,054	20,858	20,808	21,534	20,249	78,425	59,878	72,974
233,167	0,207	0,571	0,548	0,254	0,341	91,945	19,910	14,150	22,045	22,026	20,869	20,812	21,545	20,252	78,297	59,877	72,982
233,334	0,208	0,560	0,548	0,252	0,341	91,902	19,940	21,771	22,041	22,040	20,862	20,814	21,547	20,249	78,347	59,874	72,956

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
227,500	55,312	0,778	0,791	16227,066	16742,935	40,136	9,939	515,540	10,243	13,823	4,800	2017-09-18 13:21
227,667	55,309	0,777	0,790	16226,205	16792,565	31,002	9,878	515,539	10,077	13,662	4,772	2017-09-18 13:21
227,833	55,313	0,777	0,790	16234,063	16771,149	42,530	9,430	515,539	10,352	13,806	4,797	2017-09-18 13:21
228,000	55,312	0,777	0,790	16236,343	16657,108	47,336	9,313	515,539	9,877	13,810	4,797	2017-09-18 13:22
228,167	55,316	0,778	0,790	16214,115	16693,588	41,297	9,895	515,539	9,989	13,911	4,815	2017-09-18 13:22
228,333	55,319	0,777	0,791	16208,895	16668,000	39,786	10,138	515,540	10,038	13,935	4,819	2017-09-18 13:22
228,500	55,320	0,778	0,790	16191,952	16697,092	37,065	9,894	515,539	10,096	13,742	4,786	2017-09-18 13:22
228,667	55,323	0,777	0,790	16209,539	16795,527	36,023	9,819	515,540	10,254	13,704	4,779	2017-09-18 13:22
228,833	55,324	0,777	0,790	16207,846	16806,691	39,243	9,871	515,539	10,057	13,886	4,811	2017-09-18 13:22
229,000	55,323	0,777	0,790	16249,667	16648,450	35,123	9,312	515,445	10,088	13,979	4,827	2017-09-18 13:23
229,167	55,319	0,778	0,791	16282,539	16628,221	43,594	9,408	515,446	9,992	13,976	4,826	2017-09-18 13:23
229,333	55,316	0,778	0,790	16225,397	16837,378	36,228	9,588	515,446	10,034	13,923	4,817	2017-09-18 13:23
229,500	55,316	0,777	0,790	16212,381	16785,356	42,933	10,136	515,446	10,117	13,950	4,822	2017-09-18 13:23
229,667	55,315	0,778	0,791	16270,400	16759,155	34,404	10,484	515,446	9,992	13,943	4,821	2017-09-18 13:23
229,833	55,316	0,778	0,790	16282,934	16847,633	24,710	10,500	515,446	9,817	13,741	4,786	2017-09-18 13:23
230,000	55,315	0,778	0,790	16295,565	16916,986	48,180	9,835	515,446	9,986	13,707	4,780	2017-09-18 13:24
230,167	55,315	0,777	0,791	16330,324	16711,194	54,086	8,950	515,446	10,200	13,656	4,771	2017-09-18 13:24
230,333	55,317	0,777	0,790	16327,454	16599,522	59,923	8,431	515,446	10,104	13,856	4,806	2017-09-18 13:24
230,500	55,316	0,777	0,790	16289,867	16738,849	49,236	8,585	515,446	10,193	14,109	4,849	2017-09-18 13:24
230,667	55,322	0,777	0,790	16215,194	16443,449	44,851	8,751	515,446	10,004	13,845	4,804	2017-09-18 13:24
230,834	55,325	0,777	0,790	16212,333	16427,901	31,541	8,752	515,446	9,799	13,776	4,792	2017-09-18 13:24
231,000	55,328	0,777	0,790	16160,319	16383,726	46,557	8,760	515,446	10,063	13,872	4,808	2017-09-18 13:25
231,167	55,320	0,777	0,790	16106,618	16468,857	54,896	9,188	515,353	9,916	13,975	4,826	2017-09-18 13:25
231,334	55,319	0,777	0,790	16087,103	16294,242	35,168	9,324	515,352	9,967	13,897	4,813	2017-09-18 13:25
231,500	55,317	0,778	0,791	16081,951	16294,092	56,341	8,999	515,352	10,304	13,765	4,790	2017-09-18 13:25
231,667	55,316	0,778	0,791	16042,312	16362,975	55,073	8,887	515,352	10,141	13,924	4,817	2017-09-18 13:25
231,834	55,315	0,778	0,791	16016,609	16310,328	48,162	8,680	515,353	10,243	13,757	4,788	2017-09-18 13:25
232,000	55,317	0,778	0,791	15993,796	16372,007	57,741	8,999	515,353	9,996	13,782	4,793	2017-09-18 13:26
232,167	55,317	0,777	0,790	15940,157	16184,746	36,523	9,891	515,352	9,794	13,938	4,820	2017-09-18 13:26
232,334	55,323	0,777	0,790	15929,281	16543,774	35,783	10,347	515,352	9,650	13,793	4,795	2017-09-18 13:26
232,500	55,323	0,779	0,791	15923,717	16420,591	36,426	10,100	515,352	9,974	13,864	4,807	2017-09-18 13:26
232,667	55,328	0,778	0,792	15984,022	16500,728	49,212	9,514	515,352	9,885	14,061	4,841	2017-09-18 13:26
232,834	55,331	0,778	0,791	15977,749	16520,512	66,633	9,248	515,353	10,232	13,865	4,807	2017-09-18 13:26
233,000	55,325	0,777	0,790	15980,569	16490,155	69,777	9,350	515,259	9,963	13,739	4,785	2017-09-18 13:27
233,167	55,323	0,777	0,791	16008,146	16374,650	52,578	9,281	515,259	10,148	13,620	4,764	2017-09-18 13:27
233,334	55,322	0,778	0,791	15985,133	16431,014	60,896	9,004	515,259	10,070	13,622	4,765	2017-09-18 13:27

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
233,500	0,214	0,541	0,548	0,250	0,343	91,930	19,913	19,172	22,044	22,043	20,861	20,818	21,546	20,254	78,277	59,882	72,921
233,667	0,211	0,556	0,548	0,254	0,343	91,877	19,909	11,808	22,053	22,047	20,866	20,818	21,558	20,253	78,215	59,874	72,931
233,833	0,211	0,576	0,548	0,250	0,347	91,926	19,917	12,030	22,053	22,039	20,869	20,805	21,547	20,252	78,328	59,873	72,905
234,000	0,206	0,583	0,548	0,252	0,352	91,915	19,900	12,469	22,059	22,034	20,878	20,823	21,550	20,258	78,253	59,869	72,869
234,167	0,208	0,573	0,548	0,249	0,347	91,861	19,881	15,892	22,041	22,024	20,871	20,809	21,542	20,252	78,204	59,857	72,893
234,333	0,212	0,555	0,548	0,256	0,349	91,807	19,884	17,813	22,032	22,026	20,869	20,810	21,556	20,252	78,192	59,854	72,888
234,500	0,210	0,562	0,547	0,257	0,347	91,829	19,888	14,471	22,049	22,032	20,873	20,813	21,551	20,256	78,223	59,857	72,852
234,667	0,212	0,566	0,547	0,254	0,347	91,763	19,875	12,926	22,040	22,030	20,866	20,811	21,552	20,252	78,033	59,854	72,831
234,833	0,207	0,579	0,547	0,251	0,349	91,736	19,851	17,042	22,032	22,032	20,870	20,811	21,543	20,256	78,099	59,846	72,828
235,000	0,205	0,587	0,548	0,252	0,347	91,773	19,876	14,099	22,034	22,034	20,882	20,816	21,549	20,257	78,076	59,846	72,789
235,167	0,206	0,584	0,547	0,244	0,348	91,713	19,871	18,476	22,040	22,036	20,887	20,815	21,555	20,258	78,196	59,838	72,767
235,333	0,208	0,569	0,547	0,249	0,343	91,647	19,906	16,478	22,048	22,034	20,894	20,819	21,559	20,265	78,157	59,838	72,770
235,500	0,210	0,574	0,547	0,256	0,344	91,659	19,908	16,698	22,049	22,036	20,903	20,814	21,556	20,262	78,093	59,827	72,771
235,667	0,210	0,559	0,547	0,246	0,342	91,608	19,901	7,012	22,051	22,042	20,896	20,818	21,537	20,256	78,089	59,816	72,774
235,833	0,207	0,558	0,547	0,248	0,340	91,617	19,901	10,174	22,048	22,043	20,883	20,819	21,542	20,258	78,027	59,818	72,747
236,000	0,207	0,566	0,547	0,257	0,349	91,626	19,918	18,353	22,038	22,039	20,879	20,811	21,550	20,260	78,098	59,814	72,707
236,167	0,205	0,579	0,547	0,249	0,343	91,610	19,904	19,032	22,060	22,031	20,883	20,806	21,554	20,258	78,015	59,803	72,709
236,333	0,206	0,580	0,547	0,247	0,340	91,672	19,948	22,534	22,056	22,036	20,895	20,824	21,554	20,264	78,122	59,799	72,704
236,500	0,206	0,583	0,547	0,253	0,336	91,662	19,857	22,420	22,038	22,016	20,879	20,817	21,550	20,258	78,154	59,802	72,712
236,667	0,204	0,583	0,547	0,253	0,345	91,573	19,884	12,953	22,029	22,016	20,888	20,814	21,556	20,258	78,000	59,806	72,739
236,833	0,208	0,556	0,547	0,248	0,346	91,610	19,882	11,110	22,034	22,026	20,887	20,806	21,543	20,260	78,021	59,815	72,763
237,000	0,207	0,546	0,547	0,247	0,342	91,595	19,880	10,955	22,048	22,032	20,884	20,809	21,547	20,258	78,080	59,816	72,747
237,167	0,206	0,555	0,547	0,244	0,352	91,586	19,899	12,653	22,043	22,034	20,901	20,815	21,547	20,261	77,949	59,816	72,736
237,333	0,206	0,568	0,547	0,248	0,345	91,633	19,892	22,323	22,031	22,042	20,896	20,804	21,543	20,261	77,867	59,816	72,713
237,500	0,203	0,588	0,547	0,249	0,341	91,603	19,849	25,517	22,036	22,025	20,882	20,802	21,534	20,261	78,045	59,808	72,686
237,667	0,203	0,602	0,547	0,250	0,351	91,653	19,865	22,798	22,038	22,022	20,892	20,813	21,543	20,264	77,914	59,800	72,672
237,834	0,203	0,612	0,546	0,249	0,353	91,688	19,893	13,555	22,033	22,040	20,886	20,804	21,541	20,261	78,100	59,796	72,681
238,000	0,204	0,608	0,546	0,248	0,345	91,705	19,891	21,465	22,052	22,033	20,883	20,798	21,537	20,262	78,100	59,792	72,688
238,167	0,205	0,593	0,546	0,243	0,346	91,715	19,956	17,723	22,055	22,026	20,880	20,813	21,549	20,260	78,143	59,791	72,705
238,334	0,205	0,595	0,546	0,249	0,341	91,798	19,998	19,441	22,042	22,038	20,888	20,817	21,549	20,261	78,092	59,796	72,720
238,500	0,204	0,594	0,547	0,245	0,344	91,850	19,976	24,408	22,044	22,014	20,874	20,807	21,541	20,258	78,098	59,796	72,732
238,667	0,208	0,594	0,546	0,244	0,345	91,827	20,012	23,948	22,051	22,030	20,895	20,798	21,546	20,261	78,182	59,804	72,728
238,834	0,204	0,582	0,546	0,254	0,344	91,892	19,972	21,294	22,036	22,026	20,887	20,814	21,533	20,261	78,172	59,807	72,757
239,000	0,205	0,570	0,546	0,245	0,346	91,896	20,057	19,829	22,063	22,034	20,892	20,806	21,560	20,264	78,181	59,812	72,792
239,167	0,206	0,563	0,546	0,256	0,345	91,928	20,038	13,659	22,050	22,033	20,898	20,809	21,532	20,265	78,211	59,816	72,800
239,334	0,205	0,556	0,546	0,249	0,350	91,967	19,951	9,766	22,051	22,026	20,888	20,807	21,549	20,262	78,219	59,819	72,790

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
233,500	55,322	0,778	0,790	15937,754	16359,622	93,466	8,518	515,259	9,996	13,726	4,783	2017-09-18 13:27
233,667	55,327	0,777	0,790	15927,491	16296,018	74,169	8,893	515,259	10,153	13,719	4,782	2017-09-18 13:27
233,833	55,323	0,777	0,791	15931,021	16408,830	75,294	9,410	515,259	9,995	13,862	4,807	2017-09-18 13:27
234,000	55,324	0,777	0,790	15873,656	16329,230	44,292	9,585	515,259	10,078	14,094	4,847	2017-09-18 13:28
234,167	55,327	0,776	0,790	15899,883	16295,913	55,810	9,335	515,259	9,947	13,885	4,811	2017-09-18 13:28
234,333	55,330	0,777	0,790	15898,565	16291,089	83,380	8,883	515,259	10,227	13,975	4,826	2017-09-18 13:28
234,500	55,331	0,777	0,791	15873,070	16320,173	69,485	9,059	515,112	10,270	13,874	4,809	2017-09-18 13:28
234,667	55,327	0,776	0,789	15827,197	16140,794	80,131	9,153	515,113	10,160	13,876	4,809	2017-09-18 13:28
234,833	55,323	0,776	0,789	15834,412	16207,722	52,662	9,463	515,112	10,048	13,941	4,820	2017-09-18 13:28
235,000	55,317	0,777	0,790	15819,253	16207,049	41,756	9,672	515,195	10,079	13,880	4,810	2017-09-18 13:29
235,167	55,315	0,778	0,791	15815,611	16327,333	45,022	9,588	515,112	9,777	13,902	4,813	2017-09-18 13:29
235,333	55,308	0,777	0,791	15820,398	16276,923	55,507	9,232	515,112	9,945	13,732	4,784	2017-09-18 13:29
235,500	55,308	0,777	0,790	15806,855	16238,260	68,189	9,343	515,112	10,233	13,742	4,786	2017-09-18 13:29
235,667	55,304	0,777	0,791	15826,492	16246,552	73,311	8,977	515,112	9,831	13,684	4,776	2017-09-18 13:29
235,833	55,305	0,777	0,791	15809,585	16177,202	50,928	8,954	515,112	9,906	13,599	4,761	2017-09-18 13:29
236,000	55,308	0,777	0,790	15755,652	16247,453	52,165	9,150	515,113	10,279	13,954	4,822	2017-09-18 13:30
236,167	55,311	0,777	0,791	15771,619	16182,226	41,116	9,485	515,112	9,970	13,723	4,782	2017-09-18 13:30
236,333	55,315	0,777	0,791	15755,854	16291,381	47,957	9,496	515,018	9,894	13,603	4,761	2017-09-18 13:30
236,500	55,313	0,778	0,790	15741,571	16330,458	44,754	9,585	515,019	10,107	13,458	4,736	2017-09-18 13:30
236,667	55,315	0,778	0,789	15762,291	16188,528	34,824	9,585	515,112	10,133	13,781	4,793	2017-09-18 13:30
236,833	55,315	0,777	0,790	15787,112	16177,811	60,045	8,892	515,018	9,911	13,822	4,800	2017-09-18 13:30
237,000	55,309	0,777	0,789	15769,487	16234,267	50,306	8,641	515,019	9,875	13,698	4,778	2017-09-18 13:31
237,167	55,304	0,777	0,789	15764,890	16112,998	46,314	8,876	515,018	9,745	14,094	4,847	2017-09-18 13:31
237,333	55,297	0,777	0,789	15744,884	16033,045	47,033	9,204	515,019	9,914	13,806	4,797	2017-09-18 13:31
237,500	55,296	0,776	0,789	15726,683	16190,872	28,851	9,697	515,019	9,973	13,640	4,768	2017-09-18 13:31
237,667	55,296	0,777	0,789	15706,044	16093,462	26,961	10,057	515,018	10,019	14,044	4,838	2017-09-18 13:31
237,834	55,297	0,776	0,789	15713,061	16253,494	25,321	10,288	514,924	9,977	14,109	4,849	2017-09-18 13:31
238,000	55,300	0,776	0,790	15740,845	16248,340	30,787	10,208	514,924	9,907	13,817	4,799	2017-09-18 13:32
238,167	55,300	0,777	0,790	15762,711	16305,784	39,605	9,822	514,924	9,712	13,845	4,804	2017-09-18 13:32
238,334	55,303	0,777	0,790	15770,275	16251,809	37,114	9,863	514,924	9,950	13,654	4,770	2017-09-18 13:32
238,500	55,304	0,777	0,790	15777,246	16264,068	31,826	9,858	515,019	9,793	13,774	4,791	2017-09-18 13:32
238,667	55,303	0,777	0,790	15769,781	16338,953	55,678	9,848	514,924	9,755	13,786	4,793	2017-09-18 13:32
238,834	55,297	0,776	0,790	15798,134	16310,377	34,734	9,553	514,924	10,177	13,765	4,790	2017-09-18 13:32
239,000	55,292	0,777	0,789	15828,227	16326,620	38,733	9,254	514,924	9,785	13,856	4,805	2017-09-18 13:33
239,167	55,287	0,777	0,790	15845,809	16353,683	45,876	9,064	514,924	10,253	13,785	4,793	2017-09-18 13:33
239,334	55,283	0,777	0,790	15843,102	16350,307	37,697	8,909	514,831	9,943	14,012	4,833	2017-09-18 13:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
239,500	0,206	0,555	0,546	0,254	0,343	91,934	19,842	12,883	22,052	22,030	20,884	20,798	21,537	20,261	78,208	59,811	72,777
239,667	0,204	0,556	0,546	0,246	0,347	91,926	19,922	18,743	22,042	22,034	20,895	20,800	21,536	20,261	78,131	59,804	72,789
239,834	0,206	0,553	0,546	0,250	0,348	91,917	19,917	18,806	22,038	22,029	20,904	20,807	21,536	20,262	77,851	59,807	72,816
240,000	0,207	0,538	0,546	0,245	0,348	91,996	19,987	22,630	22,078	22,037	20,903	20,813	21,541	20,265	77,988	59,810	72,801
240,167	0,206	0,533	0,546	0,253	0,350	91,990	19,964	24,511	22,065	22,021	20,896	20,808	21,551	20,266	78,003	59,807	72,730
240,334	0,207	0,556	0,546	0,257	0,350	91,986	19,977	22,406	22,078	22,031	20,904	20,809	21,562	20,270	77,712	59,802	72,678
240,500	0,205	0,581	0,546	0,254	0,352	91,988	19,933	13,815	22,076	22,037	20,911	20,798	21,554	20,266	77,874	59,788	72,674
240,667	0,209	0,593	0,546	0,246	0,340	92,063	19,943	12,460	22,081	22,046	20,913	20,822	21,549	20,270	77,987	59,784	72,622
240,833	0,207	0,586	0,546	0,251	0,341	92,060	19,944	11,364	22,073	22,031	20,903	20,808	21,549	20,269	78,034	59,779	72,630
241,000	0,207	0,586	0,546	0,246	0,344	92,098	19,926	13,246	22,068	22,048	20,911	20,813	21,542	20,270	78,138	59,772	72,673
241,167	0,208	0,577	0,545	0,252	0,345	92,088	19,933	20,450	22,091	22,042	20,894	20,819	21,544	20,270	77,930	59,781	72,709
241,333	0,206	0,567	0,545	0,242	0,346	92,147	19,942	17,194	22,082	22,046	20,909	20,815	21,557	20,272	78,035	59,788	72,735
241,500	0,205	0,588	0,546	0,247	0,343	92,123	19,908	9,769	22,090	22,035	20,906	20,825	21,546	20,273	77,972	59,793	72,723
241,667	0,204	0,596	0,545	0,247	0,346	92,183	19,864	12,234	22,088	22,045	20,921	20,816	21,550	20,278	78,116	59,793	72,728
241,833	0,205	0,585	0,545	0,247	0,354	92,152	19,886	22,287	22,088	22,046	20,912	20,833	21,557	20,278	78,209	59,792	72,730
242,000	0,205	0,580	0,545	0,242	0,343	92,235	19,883	24,219	22,105	22,047	20,923	20,833	21,549	20,281	78,261	59,796	72,771
242,167	0,205	0,585	0,545	0,246	0,347	92,214	19,888	25,226	22,084	22,044	20,906	20,819	21,553	20,274	78,219	59,799	72,789
242,333	0,206	0,589	0,545	0,250	0,343	92,178	19,905	14,745	22,076	22,043	20,924	20,805	21,546	20,274	78,265	59,807	72,817
242,500	0,209	0,580	0,545	0,251	0,344	92,202	19,828	7,942	22,094	22,045	20,924	20,813	21,540	20,279	78,208	59,815	72,811
242,667	0,210	0,569	0,545	0,241	0,342	92,163	19,835	11,289	22,101	22,038	20,912	20,830	21,558	20,278	78,215	59,823	72,828
242,833	0,208	0,566	0,545	0,254	0,347	92,172	19,836	12,394	22,101	22,029	20,920	20,812	21,535	20,277	78,195	59,830	72,831
243,000	0,208	0,571	0,545	0,249	0,344	92,193	19,822	14,723	22,095	22,039	20,920	20,812	21,559	20,277	78,330	59,834	72,846
243,167	0,209	0,567	0,545	0,250	0,346	92,232	19,817	12,176	22,109	22,041	20,912	20,825	21,544	20,281	78,176	59,828	72,828
243,333	0,207	0,559	0,545	0,252	0,344	92,316	19,835	10,381	22,107	22,045	20,929	20,819	21,553	20,277	78,246	59,824	72,843
243,500	0,210	0,565	0,545	0,243	0,347	92,361	19,892	8,697	22,114	22,045	20,923	20,822	21,553	20,277	78,234	59,826	72,847
243,667	0,204	0,585	0,545	0,255	0,350	92,423	19,888	6,638	22,099	22,037	20,919	20,818	21,548	20,277	78,274	59,832	72,843
243,833	0,206	0,609	0,545	0,245	0,350	92,491	19,900	11,383	22,124	22,060	20,938	20,831	21,566	20,283	78,394	59,832	72,840
244,000	0,203	0,604	0,545	0,246	0,347	92,526	19,882	22,742	22,111	22,038	20,925	20,813	21,542	20,274	78,444	59,831	72,835
244,167	0,204	0,595	0,544	0,244	0,343	92,582	19,870	20,393	22,114	22,051	20,912	20,825	21,542	20,275	78,474	59,828	72,879
244,333	0,204	0,602	0,544	0,252	0,342	92,549	19,883	15,777	22,094	22,055	20,916	20,818	21,542	20,275	78,451	59,835	72,944
244,500	0,204	0,618	0,544	0,253	0,343	92,615	19,881	20,214	22,097	22,062	20,934	20,829	21,552	20,279	78,463	59,853	72,975
244,667	0,203	0,639	0,544	0,247	0,342	92,634	19,881	24,188	22,099	22,065	20,936	20,830	21,553	20,279	78,549	59,865	72,987
244,834	0,205	0,630	0,544	0,253	0,349	92,611	19,883	20,186	22,113	22,045	20,920	20,829	21,549	20,285	78,597	59,866	73,010
245,000	0,203	0,623	0,544	0,252	0,343	92,621	19,877	19,170	22,093	22,066	20,935	20,826	21,569	20,285	78,638	59,874	73,043
245,167	0,206	0,613	0,544	0,248	0,346	92,598	19,992	9,699	22,097	22,060	20,933	20,839	21,567	20,290	78,671	59,882	73,085
245,334	0,205	0,604	0,544	0,251	0,344	92,686	20,017	7,335	22,114	22,062	20,948	20,842	21,581	20,303	78,727	59,896	73,120

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
239,500	55,283	0,776	0,790	15827,089	16340,115	47,975	8,866	514,924	10,155	13,729	4,783	2017-09-18 13:33
239,667	55,287	0,777	0,790	15843,584	16280,685	34,869	8,893	514,831	9,856	13,871	4,808	2017-09-18 13:33
239,834	55,287	0,777	0,790	15860,164	16027,077	46,074	8,816	514,831	9,995	13,918	4,816	2017-09-18 13:33
240,000	55,288	0,777	0,789	15831,594	16157,352	54,576	8,460	514,831	9,807	13,935	4,819	2017-09-18 13:34
240,167	55,292	0,777	0,790	15789,875	16178,466	47,349	8,326	514,832	10,104	14,014	4,833	2017-09-18 13:34
240,334	55,293	0,777	0,790	15729,313	15918,463	53,760	8,892	514,831	10,271	14,007	4,832	2017-09-18 13:34
240,500	55,293	0,777	0,790	15724,701	16072,339	37,697	9,529	514,831	10,149	14,088	4,846	2017-09-18 13:34
240,667	55,292	0,777	0,790	15684,152	16175,181	61,487	9,832	514,831	9,846	13,596	4,760	2017-09-18 13:34
240,833	55,291	0,777	0,790	15688,962	16225,883	51,355	9,647	514,831	10,036	13,636	4,767	2017-09-18 13:34
241,000	55,287	0,777	0,790	15730,826	16322,090	51,380	9,651	514,831	9,854	13,746	4,786	2017-09-18 13:35
241,167	55,284	0,777	0,789	15757,180	16123,296	61,146	9,434	514,736	10,061	13,808	4,797	2017-09-18 13:35
241,333	55,281	0,778	0,790	15805,484	16235,449	44,601	9,174	514,736	9,669	13,836	4,802	2017-09-18 13:35
241,500	55,285	0,777	0,790	15778,561	16165,469	40,626	9,705	514,831	9,889	13,731	4,784	2017-09-18 13:35
241,667	55,288	0,777	0,790	15781,947	16284,569	33,087	9,901	514,736	9,899	13,858	4,806	2017-09-18 13:35
241,833	55,291	0,777	0,791	15797,364	16379,373	39,984	9,636	514,736	9,892	14,141	4,855	2017-09-18 13:35
242,000	55,291	0,777	0,790	15823,684	16409,317	41,092	9,505	514,736	9,695	13,708	4,780	2017-09-18 13:36
242,167	55,291	0,778	0,790	15844,638	16397,096	36,613	9,635	514,736	9,854	13,897	4,813	2017-09-18 13:36
242,333	55,295	0,777	0,790	15861,926	16411,467	45,438	9,729	514,737	10,010	13,711	4,780	2017-09-18 13:36
242,500	55,303	0,777	0,790	15848,174	16350,835	65,184	9,493	514,736	10,051	13,763	4,789	2017-09-18 13:36
242,667	55,297	0,777	0,789	15856,666	16349,973	70,545	9,221	514,737	9,649	13,695	4,778	2017-09-18 13:36
242,833	55,296	0,777	0,790	15865,060	16321,678	55,295	9,150	514,643	10,163	13,889	4,811	2017-09-18 13:36
243,000	55,292	0,777	0,789	15872,077	16434,190	59,951	9,263	514,644	9,963	13,776	4,792	2017-09-18 13:37
243,167	55,292	0,776	0,789	15861,551	16284,280	62,081	9,176	514,643	9,998	13,825	4,800	2017-09-18 13:37
243,333	55,293	0,777	0,790	15878,520	16382,560	54,677	8,972	514,643	10,065	13,769	4,790	2017-09-18 13:37
243,500	55,293	0,778	0,790	15889,780	16373,127	68,151	9,119	514,643	9,725	13,875	4,809	2017-09-18 13:37
243,667	55,289	0,777	0,790	15882,506	16394,337	32,510	9,616	514,643	10,182	13,999	4,830	2017-09-18 13:37
243,833	55,292	0,777	0,790	15886,157	16502,212	45,452	10,220	514,643	9,789	14,006	4,831	2017-09-18 13:37
244,000	55,292	0,777	0,791	15891,675	16541,612	28,476	10,106	514,643	9,830	13,898	4,813	2017-09-18 13:38
244,167	55,287	0,777	0,790	15926,515	16576,691	32,767	9,866	514,549	9,764	13,716	4,781	2017-09-18 13:38
244,333	55,291	0,777	0,791	15995,580	16554,206	35,397	10,044	514,549	10,090	13,684	4,776	2017-09-18 13:38
244,500	55,297	0,777	0,789	15987,355	16546,806	31,714	10,450	514,549	10,132	13,716	4,781	2017-09-18 13:38
244,667	55,297	0,777	0,790	16018,785	16613,088	28,521	10,982	514,549	9,889	13,682	4,775	2017-09-18 13:38
244,834	55,297	0,777	0,790	16034,167	16657,532	39,577	10,758	514,549	10,123	13,959	4,823	2017-09-18 13:38
245,000	55,299	0,777	0,790	16057,208	16674,271	26,638	10,566	514,549	10,095	13,726	4,783	2017-09-18 13:39
245,167	55,305	0,777	0,791	16104,726	16705,504	42,937	10,332	514,549	9,913	13,839	4,803	2017-09-18 13:39
245,334	55,305	0,777	0,790	16132,402	16740,906	37,312	10,097	514,456	10,030	13,767	4,790	2017-09-18 13:39

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
245,500	0,208	0,567	0,544	0,251	0,343	92,593	19,970	15,661	22,121	22,063	20,940	20,839	21,564	20,293	78,680	59,901	73,125
245,667	0,207	0,547	0,544	0,256	0,342	92,571	19,985	23,024	22,106	22,062	20,928	20,816	21,560	20,285	78,719	59,910	73,147
245,834	0,210	0,555	0,544	0,236	0,348	92,677	19,985	12,467	22,107	22,050	20,937	20,823	21,544	20,282	78,602	59,910	73,170
246,000	0,208	0,585	0,544	0,245	0,348	92,675	19,993	13,818	22,109	22,050	20,924	20,830	21,540	20,281	78,719	59,922	73,163
246,167	0,204	0,622	0,544	0,253	0,346	92,651	19,977	23,717	22,092	22,058	20,928	20,834	21,554	20,289	78,764	59,922	73,148
246,334	0,204	0,613	0,544	0,252	0,346	92,613	20,035	13,457	22,111	22,064	20,933	20,826	21,558	20,283	78,736	59,924	73,171
246,500	0,205	0,587	0,544	0,250	0,351	92,680	19,995	10,205	22,098	22,059	20,952	20,826	21,571	20,293	78,742	59,931	73,212
246,667	0,204	0,587	0,544	0,247	0,347	92,638	20,011	18,814	22,096	22,059	20,942	20,823	21,554	20,281	78,756	59,936	73,201
246,834	0,206	0,590	0,544	0,252	0,346	92,703	20,031	16,594	22,140	22,088	20,964	20,841	21,581	20,307	78,752	59,945	73,201
247,000	0,205	0,589	0,543	0,249	0,346	92,713	20,080	7,021	22,142	22,088	20,972	20,859	21,587	20,311	78,771	59,939	73,224
247,167	0,204	0,596	0,543	0,256	0,347	92,666	20,051	15,720	22,127	22,083	20,946	20,841	21,581	20,294	78,777	59,948	73,230
247,333	0,206	0,614	0,543	0,245	0,343	92,733	20,002	25,540	22,102	22,080	20,938	20,833	21,546	20,285	78,854	59,953	73,240
247,500	0,203	0,620	0,543	0,264	0,349	92,720	20,023	23,104	22,090	22,055	20,936	20,825	21,553	20,285	78,865	59,957	73,251
247,667	0,204	0,604	0,543	0,253	0,345	92,695	19,988	10,023	22,111	22,073	20,948	20,839	21,556	20,290	78,730	59,957	73,272
247,833	0,207	0,581	0,543	0,254	0,347	92,670	19,989	5,225	22,109	22,070	20,940	20,821	21,549	20,287	78,831	59,964	73,303
248,000	0,204	0,576	0,543	0,251	0,347	92,691	19,968	6,235	22,103	22,079	20,958	20,824	21,547	20,287	78,926	59,971	73,294
248,167	0,206	0,568	0,543	0,247	0,345	92,663	19,959	16,634	22,120	22,062	20,950	20,835	21,545	20,287	78,907	59,972	73,312
248,333	0,204	0,558	0,543	0,247	0,341	92,620	19,975	18,745	22,113	22,075	20,940	20,821	21,553	20,285	78,876	59,979	73,317
248,500	0,209	0,566	0,543	0,252	0,349	92,667	20,009	10,313	22,113	22,066	20,940	20,821	21,548	20,287	78,883	59,986	73,336
248,667	0,205	0,571	0,543	0,262	0,347	92,763	19,991	19,375	22,110	22,067	20,940	20,830	21,554	20,290	78,808	59,998	73,324
248,833	0,206	0,574	0,543	0,253	0,350	92,706	19,991	25,283	22,109	22,072	20,936	20,835	21,566	20,289	78,727	60,006	73,314
249,000	0,206	0,586	0,543	0,247	0,341	92,787	20,001	13,721	22,102	22,066	20,945	20,830	21,548	20,289	78,784	60,008	73,299
249,167	0,205	0,588	0,543	0,248	0,348	92,779	19,996	21,335	22,120	22,070	20,941	20,829	21,569	20,290	78,682	60,008	73,266
249,333	0,206	0,596	0,543	0,257	0,351	92,762	19,984	23,269	22,123	22,066	20,944	20,837	21,558	20,289	78,849	59,999	73,239
249,500	0,206	0,593	0,543	0,249	0,345	92,737	19,984	11,535	22,123	22,083	20,971	20,842	21,569	20,295	78,853	59,991	73,233
249,667	0,205	0,591	0,543	0,246	0,353	92,667	19,915	4,697	22,103	22,060	20,937	20,839	21,558	20,290	78,806	59,990	73,243
249,833	0,206	0,589	0,543	0,255	0,343	92,606	19,902	12,565	22,106	22,067	20,950	20,837	21,554	20,293	78,814	59,992	73,275
250,000	0,209	0,569	0,543	0,254	0,347	92,572	19,928	20,577	22,111	22,070	20,953	20,833	21,545	20,294	78,853	59,998	73,298
250,167	0,206	0,574	0,543	0,250	0,347	92,620	19,882	12,409	22,132	22,066	20,945	20,837	21,555	20,298	78,737	60,011	73,293
250,333	0,206	0,579	0,543	0,247	0,345	92,562	19,954	18,804	22,114	22,080	20,952	20,847	21,558	20,297	78,669	60,017	73,302
250,500	0,206	0,590	0,543	0,249	0,344	92,477	19,963	13,003	22,108	22,067	20,953	20,851	21,564	20,298	78,843	60,025	73,272
250,667	0,206	0,593	0,543	0,251	0,346	92,405	19,955	16,396	22,124	22,070	20,962	20,842	21,558	20,295	78,811	60,023	73,271
250,833	0,209	0,587	0,542	0,252	0,345	92,432	19,955	18,491	22,109	22,059	20,949	20,837	21,557	20,294	78,692	60,026	73,274
251,000	0,208	0,562	0,542	0,248	0,343	92,350	19,954	17,552	22,108	22,063	20,948	20,845	21,565	20,298	78,601	60,026	73,283
251,167	0,213	0,539	0,542	0,247	0,344	92,267	19,980	12,786	22,115	22,083	20,960	20,837	21,569	20,301	78,763	60,027	73,259
251,334	0,213	0,533	0,542	0,245	0,347	92,237	19,935	13,620	22,116	22,078	20,954	20,837	21,569	20,303	78,576	60,027	73,220

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
245,500	55,305	0,777	0,790	16134,723	16700,706	59,281	9,183	514,549	10,039	13,720	4,782	2017-09-18 13:39
245,667	55,309	0,777	0,791	16168,960	16724,788	49,806	8,682	514,457	10,222	13,687	4,776	2017-09-18 13:39
245,834	55,309	0,778	0,790	16159,875	16631,844	72,060	8,877	514,456	9,459	13,922	4,817	2017-09-18 13:39
246,000	55,312	0,778	0,791	16176,075	16729,906	56,032	9,615	514,456	9,787	13,929	4,818	2017-09-18 13:40
246,167	55,312	0,778	0,790	16153,271	16759,902	32,576	10,558	514,456	10,118	13,856	4,806	2017-09-18 13:40
246,334	55,313	0,777	0,789	16154,843	16722,795	33,083	10,335	514,457	10,090	13,827	4,800	2017-09-18 13:40
246,500	55,317	0,778	0,791	16212,681	16744,450	41,443	9,663	514,456	9,994	14,048	4,839	2017-09-18 13:40
246,667	55,313	0,777	0,791	16206,249	16735,283	35,251	9,669	514,456	9,885	13,880	4,810	2017-09-18 13:40
246,834	55,317	0,778	0,791	16199,999	16733,897	44,865	9,738	514,457	10,062	13,856	4,805	2017-09-18 13:40
247,000	55,322	0,777	0,791	16217,467	16747,784	42,103	9,714	514,314	9,953	13,830	4,801	2017-09-18 13:41
247,167	55,323	0,777	0,791	16227,216	16745,006	34,202	9,911	514,314	10,259	13,864	4,807	2017-09-18 13:41
247,333	55,323	0,778	0,790	16215,463	16817,043	43,479	10,340	514,314	9,818	13,717	4,781	2017-09-18 13:41
247,500	55,328	0,777	0,790	16214,867	16810,657	28,059	10,489	514,314	10,544	13,961	4,824	2017-09-18 13:41
247,667	55,332	0,777	0,789	16221,734	16683,870	35,793	10,111	514,314	10,113	13,794	4,795	2017-09-18 13:41
247,833	55,336	0,777	0,790	16265,929	16769,592	50,674	9,534	514,314	10,161	13,865	4,807	2017-09-18 13:41
248,000	55,340	0,777	0,790	16249,489	16851,318	36,033	9,399	514,314	10,056	13,887	4,811	2017-09-18 13:42
248,167	55,347	0,777	0,791	16279,029	16838,987	46,102	9,188	514,314	9,896	13,810	4,798	2017-09-18 13:42
248,333	55,355	0,777	0,790	16265,893	16799,630	35,397	8,949	514,220	9,861	13,626	4,766	2017-09-18 13:42
248,500	55,360	0,778	0,790	16276,874	16815,677	66,049	9,152	514,314	10,093	13,962	4,824	2017-09-18 13:42
248,667	55,360	0,778	0,790	16254,521	16731,041	36,231	9,285	514,314	10,485	13,874	4,809	2017-09-18 13:42
248,833	55,364	0,778	0,790	16245,846	16651,340	45,001	9,345	514,220	10,137	13,991	4,829	2017-09-18 13:42
249,000	55,362	0,778	0,791	16260,654	16715,367	47,985	9,656	514,220	9,898	13,647	4,769	2017-09-18 13:43
249,167	55,366	0,778	0,791	16225,398	16608,404	36,780	9,709	514,220	9,929	13,918	4,816	2017-09-18 13:43
249,333	55,372	0,778	0,790	16167,419	16765,533	47,353	9,897	514,220	10,260	14,051	4,839	2017-09-18 13:43
249,500	55,379	0,777	0,790	16154,190	16768,708	44,233	9,817	514,220	9,973	13,792	4,794	2017-09-18 13:43
249,667	55,384	0,777	0,790	16169,089	16720,829	37,506	9,784	514,220	9,833	14,111	4,850	2017-09-18 13:43
249,833	55,387	0,777	0,791	16205,062	16728,304	43,951	9,714	514,220	10,180	13,705	4,779	2017-09-18 13:43
250,000	55,392	0,778	0,791	16218,744	16774,693	64,968	9,229	514,220	10,151	13,889	4,811	2017-09-18 13:44
250,167	55,398	0,778	0,791	16213,755	16668,201	47,131	9,341	514,220	9,992	13,864	4,807	2017-09-18 13:44
250,333	55,402	0,778	0,791	16217,712	16590,351	44,844	9,471	514,220	9,889	13,796	4,795	2017-09-18 13:44
250,500	55,406	0,778	0,791	16186,768	16752,470	43,448	9,738	514,220	9,950	13,752	4,787	2017-09-18 13:44
250,667	55,411	0,778	0,791	16179,364	16723,473	43,844	9,813	514,220	10,047	13,856	4,805	2017-09-18 13:44
250,833	55,414	0,778	0,791	16182,266	16603,660	61,178	9,686	514,127	10,066	13,815	4,799	2017-09-18 13:44
251,000	55,422	0,778	0,791	16181,876	16526,853	55,090	9,042	514,126	9,926	13,723	4,782	2017-09-18 13:45
251,167	55,425	0,777	0,790	16149,675	16647,356	90,738	8,486	514,127	9,882	13,773	4,791	2017-09-18 13:45
251,334	55,429	0,777	0,790	16112,052	16480,490	88,470	8,315	514,127	9,815	13,892	4,812	2017-09-18 13:45

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
251,500	0,207	0,556	0,542	0,246	0,344	92,156	19,929	20,617	22,118	22,067	20,963	20,832	21,564	20,295	78,290	60,023	73,198
251,667	0,207	0,574	0,542	0,249	0,346	92,167	19,889	19,833	22,105	22,075	20,965	20,828	21,566	20,301	78,288	60,023	73,132
251,834	0,204	0,574	0,542	0,252	0,350	92,150	19,876	9,001	22,095	22,075	20,958	20,836	21,566	20,298	78,307	60,025	73,024
252,000	0,205	0,574	0,542	0,248	0,344	92,166	19,898	18,061	22,121	22,087	20,969	20,854	21,560	20,302	78,371	60,004	72,975
252,167	0,204	0,582	0,542	0,250	0,344	92,176	19,890	19,046	22,100	22,070	20,958	20,841	21,565	20,301	78,319	59,980	72,985
252,334	0,207	0,588	0,542	0,248	0,345	92,222	19,933	14,107	22,136	22,079	20,958	20,840	21,573	20,303	78,374	59,971	73,005
252,500	0,204	0,600	0,542	0,248	0,346	92,262	19,942	21,578	22,129	22,071	20,974	20,847	21,568	20,303	78,509	59,968	72,996
252,667	0,205	0,579	0,542	0,257	0,348	92,311	19,944	23,333	22,122	22,071	20,966	20,845	21,568	20,305	78,334	59,964	72,987
252,834	0,207	0,552	0,542	0,249	0,345	92,305	19,919	26,850	22,118	22,092	20,966	20,842	21,574	20,306	78,319	59,953	73,004
253,000	0,211	0,539	0,542	0,249	0,343	92,262	19,937	23,564	22,102	22,076	20,971	20,840	21,561	20,302	78,298	59,959	72,987
253,167	0,208	0,543	0,542	0,250	0,342	92,269	19,961	12,278	22,122	22,097	20,982	20,850	21,567	20,311	78,257	59,965	72,959
253,334	0,209	0,555	0,542	0,243	0,342	92,266	19,933	8,654	22,130	22,076	20,962	20,838	21,569	20,305	78,393	59,957	72,931
253,500	0,205	0,588	0,542	0,252	0,342	92,322	19,949	18,081	22,110	22,079	20,951	20,853	21,570	20,305	78,440	59,949	72,902
253,667	0,203	0,602	0,542	0,248	0,343	92,395	19,952	22,960	22,130	22,075	20,970	20,855	21,553	20,303	78,517	59,949	72,932
253,834	0,204	0,606	0,541	0,247	0,343	92,391	19,953	17,871	22,138	22,066	20,962	20,842	21,573	20,301	78,423	59,947	72,973
254,000	0,205	0,589	0,541	0,245	0,345	92,366	19,967	11,998	22,134	22,079	20,962	20,848	21,569	20,307	78,529	59,957	73,031
254,167	0,208	0,572	0,541	0,255	0,345	92,393	19,948	8,627	22,139	22,075	20,982	20,850	21,564	20,305	78,462	59,971	73,063
254,333	0,206	0,571	0,541	0,253	0,349	92,465	19,941	20,567	22,136	22,091	20,971	20,858	21,563	20,306	78,512	59,983	73,071
254,500	0,205	0,595	0,541	0,255	0,351	92,497	19,975	20,573	22,138	22,087	20,990	20,854	21,582	20,313	78,579	59,982	73,063
254,667	0,205	0,608	0,541	0,250	0,347	92,480	19,979	8,739	22,150	22,098	20,993	20,882	21,580	20,323	78,508	59,983	73,059
254,833	0,204	0,586	0,541	0,252	0,347	92,518	19,962	13,468	22,133	22,091	20,983	20,872	21,588	20,317	78,458	59,979	73,070
255,000	0,205	0,591	0,541	0,249	0,347	92,476	19,970	8,537	22,134	22,078	20,982	20,854	21,571	20,314	78,495	59,980	73,089
255,167	0,204	0,589	0,541	0,247	0,344	92,599	19,970	12,865	22,133	22,102	20,991	20,860	21,597	20,323	78,510	59,986	73,068
255,333	0,207	0,600	0,541	0,253	0,343	92,612	19,994	16,441	22,125	22,100	20,989	20,859	21,589	20,319	78,567	59,987	73,082
255,500	0,204	0,602	0,541	0,254	0,347	92,595	19,983	14,532	22,134	22,099	20,982	20,849	21,580	20,315	78,710	59,979	73,128
255,667	0,206	0,592	0,541	0,250	0,343	92,596	20,000	19,399	22,146	22,086	20,990	20,860	21,581	20,321	78,707	59,974	73,156
255,833	0,206	0,580	0,541	0,256	0,342	92,607	19,985	12,307	22,128	22,086	21,000	20,858	21,581	20,319	78,698	59,974	73,182
256,000	0,206	0,582	0,541	0,246	0,348	92,689	19,959	22,047	22,148	22,096	20,993	20,876	21,588	20,322	78,788	59,974	73,197
256,167	0,207	0,574	0,541	0,246	0,343	92,722	19,991	16,402	22,145	22,111	20,998	20,859	21,584	20,319	78,657	59,967	73,213
256,333	0,209	0,557	0,541	0,250	0,343	92,707	19,989	11,654	22,128	22,104	20,989	20,850	21,585	20,318	78,752	59,972	73,225
256,500	0,209	0,546	0,541	0,250	0,340	92,748	20,015	19,610	22,140	22,115	20,985	20,882	21,598	20,331	78,605	59,978	73,209
256,667	0,209	0,559	0,541	0,252	0,347	92,708	20,007	10,624	22,150	22,087	20,987	20,850	21,577	20,317	78,607	59,964	73,218
256,833	0,204	0,580	0,540	0,249	0,347	92,683	19,978	9,931	22,166	22,120	21,003	20,887	21,598	20,337	78,648	59,968	73,195
257,000	0,203	0,592	0,541	0,255	0,345	92,693	19,979	19,995	22,161	22,107	20,995	20,867	21,581	20,321	78,559	59,955	73,162
257,167	0,205	0,590	0,540	0,253	0,348	92,730	19,981	25,754	22,149	22,113	20,998	20,871	21,575	20,323	78,653	59,956	73,141
257,333	0,203	0,611	0,541	0,251	0,342	92,742	19,977	23,066	22,161	22,117	20,986	20,861	21,563	20,318	78,686	59,943	73,136

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
251,500	55,435	0,777	0,790	16073,604	16227,238	54,674	8,888	514,127	9,858	13,780	4,792	2017-09-18 13:45
251,667	55,441	0,778	0,790	16017,389	16242,624	54,250	9,345	514,126	9,959	13,843	4,803	2017-09-18 13:45
251,834	55,431	0,778	0,790	15922,949	16267,334	35,297	9,362	514,127	10,073	14,018	4,834	2017-09-18 13:45
252,000	55,417	0,778	0,790	15887,598	16343,453	42,082	9,362	514,126	9,938	13,759	4,789	2017-09-18 13:46
252,167	55,406	0,777	0,790	15920,831	16302,346	31,808	9,541	514,033	10,019	13,780	4,792	2017-09-18 13:46
252,334	55,405	0,778	0,790	15938,189	16382,562	51,348	9,704	514,127	9,937	13,788	4,794	2017-09-18 13:46
252,500	55,407	0,778	0,790	15925,574	16504,896	33,948	9,994	514,032	9,909	13,848	4,804	2017-09-18 13:46
252,667	55,409	0,777	0,790	15905,617	16330,049	41,061	9,474	514,032	10,267	13,939	4,820	2017-09-18 13:46
252,834	55,409	0,777	0,790	15923,144	16318,984	51,123	8,802	514,032	9,969	13,818	4,799	2017-09-18 13:46
253,000	55,410	0,778	0,790	15919,602	16311,424	77,935	8,482	514,033	9,947	13,730	4,784	2017-09-18 13:47
253,167	55,411	0,778	0,790	15881,274	16266,842	60,723	8,577	514,033	9,991	13,669	4,773	2017-09-18 13:47
253,334	55,419	0,778	0,790	15857,427	16411,460	67,248	8,876	514,032	9,706	13,682	4,775	2017-09-18 13:47
253,500	55,426	0,778	0,790	15824,023	16446,027	40,883	9,691	514,033	10,070	13,662	4,772	2017-09-18 13:47
253,667	55,426	0,777	0,789	15836,133	16509,596	28,028	10,058	514,032	9,925	13,727	4,783	2017-09-18 13:47
253,834	55,415	0,778	0,790	15889,840	16439,355	33,730	10,160	513,939	9,866	13,704	4,779	2017-09-18 13:47
254,000	55,410	0,778	0,789	15937,203	16528,651	40,446	9,733	513,939	9,813	13,818	4,799	2017-09-18 13:48
254,167	55,405	0,778	0,790	15980,636	16450,253	60,125	9,303	513,939	10,184	13,819	4,799	2017-09-18 13:48
254,333	55,400	0,778	0,790	15988,791	16486,132	47,735	9,285	513,938	10,106	13,946	4,821	2017-09-18 13:48
254,500	55,406	0,778	0,790	15981,652	16554,044	38,768	9,865	513,939	10,215	14,058	4,840	2017-09-18 13:48
254,667	55,406	0,777	0,790	15973,234	16468,423	40,453	10,202	513,939	10,013	13,887	4,811	2017-09-18 13:48
254,833	55,407	0,777	0,789	15972,546	16419,412	35,175	9,639	513,939	10,085	13,886	4,811	2017-09-18 13:48
255,000	55,403	0,778	0,789	15996,210	16469,214	36,940	9,765	513,939	9,958	13,892	4,812	2017-09-18 13:49
255,167	55,380	0,778	0,790	16009,766	16495,638	35,300	9,730	513,939	9,888	13,747	4,787	2017-09-18 13:49
255,333	55,360	0,778	0,790	16040,330	16539,704	53,409	9,996	513,939	10,107	13,719	4,782	2017-09-18 13:49
255,500	55,348	0,778	0,790	16094,516	16668,147	33,719	10,061	513,939	10,146	13,892	4,812	2017-09-18 13:49
255,667	55,342	0,778	0,789	16111,899	16668,890	42,516	9,806	513,845	9,999	13,724	4,783	2017-09-18 13:49
255,833	55,336	0,778	0,790	16153,197	16660,803	46,088	9,502	513,845	10,226	13,665	4,772	2017-09-18 13:49
256,000	55,332	0,778	0,789	16159,721	16746,360	47,964	9,539	513,845	9,858	13,920	4,817	2017-09-18 13:50
256,167	55,328	0,778	0,789	16165,154	16633,071	50,018	9,362	513,870	9,844	13,728	4,783	2017-09-18 13:50
256,333	55,324	0,778	0,790	16196,906	16710,123	62,620	8,935	513,845	9,988	13,738	4,785	2017-09-18 13:50
256,500	55,327	0,778	0,790	16185,897	16565,992	64,214	8,642	513,845	9,987	13,585	4,758	2017-09-18 13:50
256,667	55,324	0,778	0,789	16186,587	16596,304	64,103	8,963	513,845	10,082	13,867	4,807	2017-09-18 13:50
256,833	55,324	0,778	0,790	16175,135	16614,546	33,525	9,511	513,752	9,979	13,865	4,807	2017-09-18 13:50
257,000	55,315	0,777	0,789	16134,771	16535,099	29,591	9,804	513,845	10,193	13,806	4,797	2017-09-18 13:51
257,167	55,297	0,777	0,789	16132,629	16618,288	40,720	9,754	513,752	10,134	13,931	4,819	2017-09-18 13:51
257,333	55,292	0,777	0,789	16138,750	16654,826	27,872	10,276	513,845	10,036	13,681	4,775	2017-09-18 13:51

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
257,500	0,203	0,635	0,540	0,251	0,343	92,715	19,974	12,897	22,156	22,108	20,989	20,869	21,571	20,319	78,899	59,932	73,151
257,667	0,203	0,640	0,540	0,245	0,345	92,689	20,000	15,294	22,163	22,108	20,986	20,861	21,575	20,317	78,818	59,928	73,185
257,833	0,204	0,611	0,540	0,248	0,341	92,730	19,996	21,439	22,161	22,099	20,978	20,854	21,582	20,317	78,845	59,927	73,266
258,000	0,204	0,587	0,540	0,250	0,349	92,686	20,011	23,422	22,165	22,109	21,011	20,877	21,569	20,326	78,808	59,937	73,285
258,167	0,205	0,582	0,540	0,241	0,345	92,671	20,013	23,791	22,185	22,133	21,009	20,889	21,596	20,343	78,734	59,945	73,302
258,334	0,204	0,582	0,540	0,250	0,352	92,621	19,964	19,640	22,164	22,111	21,003	20,860	21,582	20,323	78,872	59,949	73,285
258,500	0,205	0,583	0,539	0,254	0,342	92,587	19,950	16,116	22,174	22,111	21,007	20,879	21,593	20,335	78,733	59,947	73,253
258,667	0,205	0,572	0,539	0,254	0,340	92,608	19,981	17,371	22,176	22,100	21,006	20,877	21,583	20,333	78,790	59,949	73,252
258,834	0,209	0,551	0,540	0,259	0,345	92,629	19,979	12,227	22,158	22,108	21,004	20,861	21,572	20,321	78,721	59,936	73,229
259,000	0,207	0,550	0,539	0,263	0,350	92,545	20,000	8,901	22,155	22,125	21,003	20,856	21,576	20,325	78,629	59,932	73,244
259,167	0,205	0,551	0,539	0,257	0,345	92,559	19,990	14,965	22,172	22,116	21,003	20,873	21,581	20,329	78,653	59,931	73,217
259,334	0,208	0,547	0,539	0,255	0,351	92,523	20,024	12,348	22,176	22,132	21,019	20,879	21,602	20,339	78,520	59,931	73,172
259,500	0,207	0,545	0,540	0,256	0,343	92,545	20,016	23,418	22,184	22,120	21,010	20,873	21,584	20,338	78,429	59,922	73,147
259,667	0,208	0,553	0,539	0,249	0,345	92,485	19,992	21,855	22,164	22,117	20,991	20,865	21,577	20,322	78,413	59,902	73,109
259,834	0,205	0,562	0,539	0,255	0,346	92,502	19,977	23,082	22,175	22,103	21,003	20,871	21,588	20,323	78,439	59,892	73,071
260,000	0,203	0,577	0,539	0,255	0,340	92,588	19,966	22,800	22,176	22,123	20,999	20,860	21,590	20,327	78,394	59,881	73,050
260,167	0,203	0,595	0,539	0,256	0,343	92,630	19,942	18,627	22,162	22,125	21,014	20,882	21,584	20,331	78,525	59,877	73,017
260,334	0,204	0,609	0,539	0,255	0,347	92,641	19,961	10,627	22,156	22,123	21,011	20,874	21,581	20,331	78,508	59,870	73,035
260,500	0,203	0,607	0,539	0,248	0,341	92,543	19,964	7,917	22,172	22,119	21,009	20,881	21,585	20,338	78,490	59,873	73,037
260,667	0,203	0,622	0,539	0,248	0,345	92,479	19,943	17,277	22,172	22,110	21,006	20,873	21,595	20,337	78,618	59,874	73,039
260,834	0,202	0,612	0,539	0,252	0,348	92,478	19,958	15,173	22,176	22,137	21,027	20,887	21,589	20,342	78,615	59,871	73,044
261,000	0,205	0,602	0,539	0,246	0,340	92,452	19,950	19,691	22,177	22,108	20,999	20,890	21,597	20,331	78,483	59,871	73,090
261,167	0,205	0,604	0,539	0,247	0,346	92,428	19,993	11,611	22,177	22,125	20,993	20,873	21,598	20,334	78,594	59,875	73,106
261,333	0,203	0,610	0,539	0,243	0,344	92,426	20,029	9,323	22,172	22,120	21,007	20,870	21,575	20,339	78,599	59,883	73,094
261,500	0,204	0,609	0,539	0,249	0,349	92,339	20,009	23,337	22,189	22,145	21,022	20,870	21,602	20,343	78,645	59,882	73,101
261,667	0,204	0,594	0,538	0,252	0,348	92,381	19,995	24,894	22,146	22,116	21,018	20,858	21,596	20,330	78,539	59,870	73,098
261,833	0,206	0,572	0,539	0,250	0,342	92,350	20,018	11,978	22,168	22,120	21,018	20,878	21,593	20,342	78,586	59,881	73,116
262,000	0,206	0,551	0,539	0,245	0,349	92,264	19,997	20,255	22,151	22,112	21,001	20,878	21,589	20,330	78,404	59,878	73,100
262,167	0,210	0,545	0,538	0,253	0,346	92,239	20,009	20,714	22,161	22,114	21,018	20,872	21,588	20,338	78,416	59,877	73,097
262,333	0,209	0,554	0,538	0,254	0,341	92,225	20,012	16,038	22,172	22,128	21,006	20,869	21,602	20,335	78,301	59,875	73,051
262,500	0,207	0,563	0,538	0,248	0,344	92,201	19,997	12,325	22,174	22,128	21,026	20,893	21,597	20,341	78,301	59,873	73,021
262,667	0,205	0,578	0,538	0,245	0,346	92,129	19,997	24,739	22,162	22,117	21,022	20,881	21,581	20,333	78,487	59,869	72,989
262,833	0,205	0,588	0,538	0,247	0,344	92,144	20,002	20,576	22,159	22,125	21,007	20,865	21,597	20,333	78,482	59,855	72,955
263,000	0,206	0,587	0,538	0,253	0,344	92,187	19,989	14,193	22,157	22,127	21,018	20,864	21,600	20,338	78,528	59,843	72,987
263,167	0,203	0,581	0,538	0,249	0,349	92,187	19,982	22,267	22,163	22,128	21,022	20,877	21,591	20,342	78,483	59,839	73,006
263,333	0,207	0,577	0,538	0,246	0,347	92,161	19,977	10,614	22,172	22,114	21,032	20,872	21,597	20,342	78,540	59,847	73,005

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
257,500	55,284	0,777	0,790	16172,367	16867,626	24,689	10,883	513,752	10,046	13,738	4,785	2017-09-18 13:51
257,667	55,281	0,777	0,790	16199,277	16794,141	29,939	11,007	513,752	9,811	13,791	4,794	2017-09-18 13:51
257,833	55,280	0,777	0,790	16280,061	16817,670	35,620	10,271	513,752	9,935	13,640	4,768	2017-09-18 13:51
258,000	55,276	0,777	0,789	16283,027	16779,742	33,285	9,683	513,752	10,017	13,954	4,822	2017-09-18 13:52
258,167	55,276	0,778	0,789	16293,423	16710,298	38,396	9,542	513,752	9,639	13,817	4,799	2017-09-18 13:52
258,334	55,271	0,777	0,789	16286,620	16824,234	33,142	9,554	513,752	9,995	14,077	4,844	2017-09-18 13:52
258,500	55,272	0,778	0,789	16263,445	16707,871	41,992	9,581	513,612	10,170	13,681	4,775	2017-09-18 13:52
258,667	55,275	0,778	0,790	16266,227	16758,601	42,197	9,291	513,612	10,176	13,581	4,758	2017-09-18 13:52
258,834	55,268	0,778	0,790	16254,455	16707,066	64,948	8,765	513,752	10,342	13,785	4,793	2017-09-18 13:52
259,000	55,260	0,777	0,789	16256,802	16623,324	51,734	8,758	513,612	10,538	13,984	4,828	2017-09-18 13:53
259,167	55,256	0,778	0,790	16258,343	16666,414	40,213	8,780	513,612	10,271	13,810	4,798	2017-09-18 13:53
259,334	55,253	0,778	0,790	16226,520	16541,718	59,090	8,675	513,611	10,211	14,024	4,835	2017-09-18 13:53
259,500	55,251	0,778	0,790	16191,528	16467,088	51,293	8,637	513,752	10,239	13,725	4,783	2017-09-18 13:53
259,667	55,252	0,777	0,788	16134,522	16456,678	60,135	8,837	513,612	9,943	13,783	4,793	2017-09-18 13:53
259,834	55,252	0,777	0,789	16108,978	16480,911	39,758	9,057	513,612	10,195	13,821	4,799	2017-09-18 13:53
260,000	55,255	0,778	0,789	16079,584	16465,730	25,092	9,429	513,612	10,195	13,590	4,759	2017-09-18 13:54
260,167	55,255	0,777	0,789	16057,632	16582,917	25,342	9,872	513,612	10,227	13,732	4,784	2017-09-18 13:54
260,334	55,255	0,777	0,789	16081,209	16572,002	30,846	10,231	513,518	10,194	13,876	4,809	2017-09-18 13:54
260,500	55,249	0,777	0,789	16091,432	16550,335	29,025	10,177	513,612	9,900	13,630	4,766	2017-09-18 13:54
260,667	55,245	0,778	0,790	16107,546	16673,529	28,473	10,561	513,518	9,926	13,781	4,793	2017-09-18 13:54
260,834	55,241	0,778	0,790	16112,231	16684,164	22,392	10,295	513,518	10,079	13,926	4,818	2017-09-18 13:54
261,000	55,241	0,778	0,789	16143,860	16556,097	41,450	10,056	513,518	9,834	13,600	4,761	2017-09-18 13:55
261,167	55,240	0,778	0,790	16164,608	16654,654	39,153	10,107	513,518	9,894	13,844	4,803	2017-09-18 13:55
261,333	55,240	0,778	0,789	16150,049	16655,250	28,674	10,252	513,518	9,735	13,774	4,791	2017-09-18 13:55
261,500	55,245	0,777	0,789	16148,394	16681,012	30,154	10,233	513,518	9,954	13,945	4,821	2017-09-18 13:55
261,667	55,247	0,777	0,789	16139,580	16594,346	31,923	9,861	513,424	10,080	13,921	4,817	2017-09-18 13:55
261,833	55,249	0,777	0,789	16157,222	16629,728	45,049	9,312	513,519	9,996	13,663	4,772	2017-09-18 13:55
262,000	55,251	0,778	0,789	16144,860	16476,201	48,600	8,784	513,518	9,812	13,944	4,821	2017-09-18 13:56
262,167	55,248	0,777	0,790	16153,832	16486,907	72,056	8,631	513,424	10,111	13,855	4,805	2017-09-18 13:56
262,333	55,242	0,778	0,790	16125,161	16396,764	63,912	8,862	513,424	10,155	13,660	4,771	2017-09-18 13:56
262,500	55,241	0,778	0,789	16078,629	16398,831	54,475	9,071	513,424	9,925	13,758	4,789	2017-09-18 13:56
262,667	55,237	0,777	0,790	16073,721	16550,240	42,294	9,438	513,424	9,805	13,853	4,805	2017-09-18 13:56
262,833	55,234	0,778	0,790	16040,131	16570,355	40,418	9,692	513,424	9,860	13,768	4,790	2017-09-18 13:56
263,000	55,230	0,777	0,790	16069,347	16610,166	43,795	9,671	513,424	10,126	13,756	4,788	2017-09-18 13:57
263,167	55,229	0,778	0,790	16093,153	16591,657	29,095	9,534	513,424	9,956	13,974	4,826	2017-09-18 13:57
263,333	55,236	0,778	0,790	16089,339	16629,267	52,377	9,422	513,424	9,857	13,870	4,808	2017-09-18 13:57

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
263,500	0,210	0,566	0,538	0,250	0,348	92,139	19,986	15,220	22,170	22,132	21,013	20,895	21,606	20,335	78,421	59,838	73,020
263,667	0,207	0,566	0,538	0,260	0,347	92,180	19,977	30,644	22,193	22,128	21,027	20,881	21,592	20,341	78,439	59,840	73,021
263,833	0,209	0,565	0,538	0,247	0,350	92,214	20,002	15,449	22,175	22,105	21,017	20,877	21,588	20,341	78,238	59,846	73,002
264,000	0,206	0,573	0,538	0,254	0,345	92,181	19,975	16,524	22,187	22,138	21,026	20,866	21,580	20,341	78,385	59,863	72,982
264,167	0,206	0,580	0,538	0,247	0,341	92,161	19,978	12,008	22,172	22,116	21,017	20,876	21,592	20,338	78,406	59,866	72,942
264,333	0,205	0,584	0,538	0,250	0,346	92,151	19,999	22,462	22,195	22,145	21,034	20,898	21,615	20,366	78,292	59,866	72,935
264,500	0,205	0,583	0,538	0,248	0,341	92,081	20,009	26,372	22,174	22,118	21,028	20,866	21,587	20,341	78,408	59,858	72,948
264,667	0,204	0,574	0,538	0,252	0,343	92,013	20,001	26,103	22,180	22,135	21,040	20,884	21,609	20,353	78,464	59,862	72,921
264,834	0,206	0,579	0,538	0,247	0,343	92,051	19,975	13,244	22,185	22,123	21,040	20,884	21,604	20,347	78,386	59,857	72,933
265,000	0,203	0,583	0,538	0,243	0,347	92,076	19,945	22,492	22,182	22,146	21,048	20,891	21,622	20,353	78,435	59,862	72,943
265,167	0,205	0,578	0,538	0,249	0,344	92,060	19,973	21,958	22,207	22,146	21,046	20,910	21,623	20,378	78,428	59,869	72,947
265,334	0,205	0,579	0,538	0,247	0,349	91,977	19,979	15,566	22,178	22,135	21,047	20,894	21,621	20,358	78,321	59,863	72,942
265,500	0,204	0,567	0,538	0,253	0,346	91,970	19,977	19,025	22,184	22,116	21,036	20,884	21,597	20,349	78,174	59,867	72,931
265,667	0,206	0,553	0,538	0,244	0,346	91,962	19,942	17,509	22,182	22,107	21,026	20,887	21,600	20,346	78,205	59,869	72,884
265,834	0,207	0,535	0,537	0,243	0,343	91,949	19,916	11,082	22,196	22,115	21,055	20,888	21,610	20,351	78,111	59,859	72,848
266,000	0,209	0,538	0,537	0,249	0,344	91,995	19,977	21,017	22,209	22,151	21,060	20,902	21,616	20,372	78,173	59,866	72,838
266,167	0,212	0,542	0,537	0,257	0,343	91,923	19,971	23,579	22,177	22,124	21,048	20,885	21,609	20,354	78,131	59,855	72,819
266,334	0,209	0,534	0,537	0,251	0,344	91,882	19,963	17,214	22,183	22,122	21,042	20,882	21,605	20,354	77,984	59,849	72,801
266,500	0,211	0,547	0,537	0,242	0,343	91,857	19,995	16,865	22,180	22,127	21,040	20,894	21,617	20,356	77,980	59,854	72,761
266,667	0,209	0,549	0,537	0,249	0,346	91,806	20,003	19,081	22,155	22,115	21,036	20,887	21,612	20,347	77,851	59,853	72,721
266,834	0,208	0,553	0,537	0,254	0,340	91,752	19,973	19,187	22,161	22,123	21,037	20,876	21,597	20,342	77,776	59,840	72,699
267,000	0,208	0,570	0,537	0,253	0,344	91,729	19,952	19,841	22,172	22,120	21,026	20,878	21,596	20,341	77,892	59,834	72,659
267,167	0,204	0,580	0,537	0,251	0,345	91,687	19,947	23,060	22,170	22,097	21,033	20,876	21,601	20,338	77,972	59,830	72,630
267,334	0,206	0,587	0,537	0,250	0,349	91,713	19,963	14,880	22,178	22,114	21,039	20,890	21,622	20,355	77,964	59,823	72,618
267,500	0,204	0,578	0,537	0,249	0,348	91,673	19,960	17,050	22,144	22,118	21,044	20,878	21,596	20,347	77,968	59,811	72,657
267,667	0,207	0,563	0,537	0,244	0,347	91,647	19,959	18,052	22,158	22,116	21,038	20,876	21,613	20,347	77,967	59,824	72,662
267,833	0,204	0,575	0,537	0,247	0,344	91,642	19,968	23,158	22,145	22,107	21,038	20,882	21,606	20,346	77,919	59,824	72,666
268,000	0,206	0,594	0,537	0,246	0,349	91,606	19,952	15,600	22,146	22,103	21,037	20,860	21,600	20,341	77,960	59,830	72,639
268,167	0,207	0,581	0,537	0,254	0,350	91,637	19,997	20,771	22,146	22,089	21,034	20,877	21,608	20,342	77,949	59,828	72,608
268,333	0,206	0,569	0,537	0,249	0,343	91,638	19,985	13,734	22,148	22,114	21,039	20,872	21,593	20,342	78,049	59,831	72,619
268,500	0,205	0,577	0,537	0,251	0,342	91,740	20,080	21,108	22,182	22,097	21,040	20,867	21,604	20,345	77,955	59,831	72,627
268,667	0,207	0,588	0,537	0,247	0,346	91,770	20,043	16,304	22,168	22,111	21,035	20,877	21,601	20,345	78,062	59,831	72,630
268,833	0,204	0,606	0,536	0,248	0,344	91,787	20,045	14,794	22,151	22,118	21,034	20,887	21,602	20,343	77,957	59,827	72,639
269,000	0,204	0,603	0,537	0,252	0,347	91,834	20,009	21,135	22,161	22,095	21,035	20,876	21,601	20,345	78,146	59,827	72,670
269,167	0,205	0,599	0,536	0,249	0,347	91,887	20,013	14,803	22,153	22,106	21,051	20,882	21,604	20,350	78,035	59,838	72,696
269,333	0,204	0,598	0,536	0,245	0,348	91,990	20,027	21,912	22,154	22,111	21,034	20,891	21,596	20,353	78,192	59,839	72,736

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
263,500	55,256	0,777	0,790	16075,821	16520,447	67,904	9,151	513,424	10,016	13,931	4,819	2017-09-18 13:57
263,667	55,271	0,777	0,790	16060,729	16520,114	51,731	9,141	513,424	10,382	13,882	4,810	2017-09-18 13:57
263,833	55,279	0,777	0,790	16045,212	16350,827	64,961	9,123	513,425	9,898	13,992	4,829	2017-09-18 13:57
264,000	55,284	0,778	0,790	16027,372	16483,483	43,757	9,337	513,424	10,158	13,813	4,798	2017-09-18 13:58
264,167	55,284	0,778	0,790	15989,075	16489,444	42,541	9,496	513,331	9,880	13,654	4,770	2017-09-18 13:58
264,333	55,292	0,778	0,790	15969,281	16388,620	41,491	9,609	513,331	9,997	13,827	4,800	2017-09-18 13:58
264,500	55,283	0,777	0,790	15985,272	16485,097	36,262	9,569	513,331	9,921	13,654	4,770	2017-09-18 13:58
264,667	55,285	0,777	0,790	15961,884	16536,830	35,821	9,340	513,331	10,070	13,714	4,781	2017-09-18 13:58
264,834	55,285	0,777	0,790	15969,355	16465,566	43,562	9,486	513,331	9,863	13,710	4,780	2017-09-18 13:58
265,000	55,285	0,778	0,790	15982,718	16526,206	26,388	9,565	513,331	9,706	13,869	4,808	2017-09-18 13:59
265,167	55,285	0,778	0,790	15985,441	16507,929	40,609	9,460	513,331	9,945	13,759	4,789	2017-09-18 13:59
265,334	55,292	0,778	0,790	15969,043	16420,097	38,938	9,474	513,331	9,870	13,954	4,823	2017-09-18 13:59
265,500	55,301	0,778	0,790	15964,974	16297,506	34,556	9,184	513,331	10,138	13,847	4,804	2017-09-18 13:59
265,667	55,311	0,778	0,790	15909,458	16314,519	43,993	8,818	513,331	9,768	13,851	4,805	2017-09-18 13:59
265,834	55,316	0,777	0,789	15851,282	16225,892	49,848	8,365	513,236	9,728	13,704	4,779	2017-09-18 13:59
266,000	55,323	0,777	0,790	15845,806	16278,027	61,820	8,452	513,236	9,944	13,744	4,786	2017-09-18 14:00
266,167	55,322	0,777	0,790	15832,105	16238,462	82,445	8,553	513,236	10,279	13,712	4,781	2017-09-18 14:00
266,334	55,324	0,777	0,790	15812,503	16121,358	62,025	8,344	513,236	10,056	13,762	4,789	2017-09-18 14:00
266,500	55,322	0,778	0,789	15772,283	16132,565	76,747	8,685	513,236	9,688	13,716	4,781	2017-09-18 14:00
266,667	55,322	0,777	0,789	15736,525	16005,253	61,758	8,734	513,236	9,943	13,832	4,801	2017-09-18 14:00
266,834	55,320	0,778	0,790	15723,550	15968,181	55,945	8,825	513,236	10,146	13,606	4,762	2017-09-18 14:00
267,000	55,317	0,778	0,789	15682,698	16061,950	55,514	9,249	513,236	10,133	13,775	4,792	2017-09-18 14:01
267,167	55,319	0,777	0,789	15655,850	16128,732	32,753	9,496	513,236	10,058	13,794	4,795	2017-09-18 14:01
267,334	55,328	0,778	0,789	15622,908	16135,591	48,162	9,667	513,236	10,010	13,975	4,826	2017-09-18 14:01
267,500	55,335	0,778	0,789	15669,377	16154,855	34,956	9,459	513,236	9,948	13,908	4,815	2017-09-18 14:01
267,667	55,342	0,778	0,790	15669,401	16136,463	51,974	9,071	513,236	9,777	13,863	4,807	2017-09-18 14:01
267,833	55,343	0,777	0,789	15662,199	16081,924	29,963	9,377	513,236	9,867	13,747	4,787	2017-09-18 14:01
268,000	55,350	0,777	0,789	15633,834	16117,933	47,144	9,844	513,143	9,821	13,960	4,824	2017-09-18 14:02
268,167	55,347	0,778	0,789	15602,248	16123,973	52,040	9,523	513,143	10,165	14,010	4,832	2017-09-18 14:02
268,333	55,347	0,777	0,788	15599,276	16201,126	46,092	9,223	513,143	9,966	13,722	4,782	2017-09-18 14:02
268,500	55,343	0,777	0,789	15618,986	16109,333	42,117	9,424	513,143	10,034	13,686	4,776	2017-09-18 14:02
268,667	55,344	0,777	0,789	15619,261	16203,139	51,196	9,690	513,143	9,871	13,846	4,804	2017-09-18 14:02
268,833	55,348	0,777	0,789	15635,041	16108,926	33,917	10,152	513,049	9,917	13,768	4,790	2017-09-18 14:02
269,000	55,347	0,777	0,789	15660,956	16272,102	32,058	10,086	513,143	10,060	13,893	4,812	2017-09-18 14:03
269,167	55,350	0,778	0,789	15682,667	16185,664	37,475	9,980	513,049	9,969	13,885	4,811	2017-09-18 14:03
269,333	55,351	0,777	0,789	15714,344	16321,231	34,546	9,946	513,049	9,796	13,924	4,817	2017-09-18 14:03

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
269,500	0,205	0,599	0,536	0,248	0,346	91,910	20,030	16,435	22,153	22,105	21,051	20,893	21,609	20,350	78,145	59,854	72,766
269,667	0,204	0,596	0,536	0,256	0,339	91,957	20,024	13,946	22,139	22,109	21,052	20,882	21,599	20,347	78,166	59,861	72,788
269,833	0,205	0,589	0,536	0,250	0,345	91,934	20,041	12,046	22,150	22,114	21,051	20,885	21,613	20,350	78,234	59,874	72,801
270,000	0,206	0,583	0,536	0,246	0,347	91,975	20,031	17,869	22,166	22,100	21,038	20,892	21,610	20,354	78,165	59,882	72,824
270,167	0,205	0,575	0,536	0,252	0,340	91,925	20,034	17,730	22,158	22,120	21,049	20,890	21,593	20,351	78,201	59,896	72,840
270,333	0,209	0,572	0,536	0,258	0,350	91,956	19,995	16,912	22,157	22,115	21,053	20,884	21,609	20,356	78,259	59,900	72,834
270,500	0,208	0,588	0,536	0,250	0,350	92,047	19,993	20,620	22,149	22,115	21,043	20,876	21,620	20,355	78,222	59,901	72,821
270,667	0,205	0,598	0,536	0,251	0,340	92,084	20,009	12,941	22,147	22,113	21,044	20,893	21,614	20,354	78,321	59,900	72,835
270,833	0,207	0,597	0,536	0,244	0,347	92,139	19,993	17,081	22,143	22,110	21,045	20,873	21,608	20,351	78,228	59,888	72,869
271,000	0,203	0,575	0,536	0,249	0,347	92,209	20,024	19,404	22,149	22,120	21,052	20,873	21,601	20,353	78,309	59,890	72,908
271,167	0,207	0,573	0,536	0,253	0,341	92,233	20,038	19,579	22,146	22,133	21,057	20,884	21,596	20,353	78,271	59,890	72,915
271,333	0,208	0,578	0,536	0,250	0,337	92,215	20,023	16,831	22,149	22,118	21,049	20,876	21,608	20,356	78,375	59,897	72,909
271,500	0,208	0,575	0,536	0,249	0,344	92,263	20,023	18,504	22,154	22,120	21,048	20,895	21,616	20,356	78,332	59,900	72,900
271,667	0,206	0,589	0,536	0,248	0,340	92,291	20,006	16,786	22,156	22,111	21,051	20,895	21,611	20,355	78,388	59,901	72,915
271,834	0,204	0,592	0,536	0,251	0,343	92,344	20,007	19,817	22,153	22,103	21,042	20,898	21,625	20,353	78,405	59,898	72,917
272,000	0,207	0,585	0,536	0,251	0,346	92,348	20,009	11,502	22,153	22,124	21,052	20,886	21,605	20,354	78,406	59,904	72,948
272,167	0,206	0,588	0,536	0,250	0,339	92,442	20,014	22,497	22,151	22,121	21,055	20,903	21,626	20,359	78,535	59,909	72,962
272,334	0,205	0,590	0,536	0,246	0,343	92,405	20,040	20,379	22,151	22,113	21,060	20,892	21,615	20,359	78,502	59,917	72,979
272,500	0,205	0,588	0,535	0,248	0,342	92,428	20,005	11,630	22,148	22,114	21,046	20,892	21,613	20,356	78,513	59,917	73,031
272,667	0,205	0,593	0,535	0,249	0,349	92,446	20,013	19,924	22,135	22,110	21,065	20,890	21,616	20,355	78,524	59,927	73,044
272,834	0,206	0,611	0,535	0,241	0,341	92,529	19,987	21,755	22,152	22,110	21,053	20,888	21,604	20,354	78,626	59,929	73,039
273,000	0,205	0,642	0,535	0,246	0,344	92,586	20,002	16,252	22,156	22,126	21,057	20,881	21,617	20,362	78,696	59,925	73,059
273,167	0,204	0,657	0,535	0,246	0,346	92,562	19,991	18,444	22,153	22,114	21,051	20,893	21,616	20,360	78,705	59,925	73,120
273,334	0,204	0,628	0,535	0,252	0,343	92,536	20,000	20,543	22,152	22,101	21,056	20,889	21,605	20,355	78,800	59,933	73,172
273,500	0,206	0,577	0,535	0,252	0,343	92,523	20,019	15,581	22,150	22,092	21,057	20,873	21,608	20,355	78,613	59,949	73,235
273,667	0,207	0,547	0,535	0,248	0,343	92,472	20,043	18,405	22,143	22,111	21,050	20,893	21,618	20,359	78,599	59,961	73,271
273,834	0,210	0,547	0,535	0,254	0,347	92,486	20,047	17,559	22,166	22,118	21,068	20,894	21,633	20,366	78,661	59,982	73,225
274,000	0,207	0,558	0,535	0,244	0,345	92,446	20,048	21,792	22,158	22,106	21,065	20,889	21,626	20,366	78,651	59,994	73,182
274,167	0,206	0,561	0,535	0,252	0,346	92,456	20,048	22,982	22,151	22,117	21,068	20,900	21,622	20,362	78,540	59,975	73,163
274,334	0,208	0,563	0,535	0,250	0,340	92,467	20,051	22,826	22,153	22,117	21,068	20,888	21,606	20,364	78,609	59,968	73,149
274,500	0,208	0,551	0,535	0,246	0,341	92,504	20,069	13,465	22,169	22,108	21,063	20,907	21,621	20,366	78,564	59,967	73,128
274,667	0,209	0,542	0,535	0,246	0,338	92,493	20,046	13,176	22,152	22,123	21,052	20,903	21,624	20,363	78,456	59,960	73,121
274,833	0,210	0,557	0,535	0,258	0,349	92,553	20,047	24,906	22,166	22,118	21,076	20,898	21,616	20,366	78,412	59,959	73,108
275,000	0,210	0,566	0,535	0,247	0,342	92,518	20,042	23,170	22,154	22,132	21,068	20,889	21,616	20,359	78,559	59,960	73,058
275,167	0,209	0,583	0,534	0,249	0,338	92,518	20,034	22,050	22,169	22,132	21,067	20,900	21,628	20,362	78,513	59,957	73,036
275,333	0,208	0,601	0,534	0,244	0,347	92,557	20,066	19,166	22,156	22,122	21,060	20,903	21,624	20,360	78,547	59,949	73,032

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
269,500	55,354	0,778	0,789	15746,647	16275,346	40,418	9,967	513,049	9,911	13,853	4,805	2017-09-18 14:03
269,667	55,358	0,777	0,789	15764,722	16272,628	35,602	9,892	513,049	10,231	13,546	4,751	2017-09-18 14:03
269,833	55,362	0,778	0,789	15769,513	16336,230	41,888	9,713	513,049	9,992	13,813	4,798	2017-09-18 14:03
270,000	55,360	0,778	0,789	15781,781	16262,862	46,304	9,565	513,049	9,850	13,871	4,808	2017-09-18 14:04
270,167	55,359	0,777	0,789	15811,213	16278,999	41,293	9,378	513,049	10,081	13,618	4,764	2017-09-18 14:04
270,333	55,350	0,777	0,789	15803,880	16323,475	63,283	9,303	513,049	10,318	13,981	4,827	2017-09-18 14:04
270,500	55,340	0,777	0,789	15796,053	16287,013	57,835	9,701	513,049	10,007	14,004	4,831	2017-09-18 14:04
270,667	55,330	0,777	0,789	15825,595	16377,068	38,528	9,953	513,049	10,057	13,615	4,763	2017-09-18 14:04
270,833	55,328	0,778	0,789	15862,724	16315,807	52,328	9,923	512,956	9,776	13,886	4,811	2017-09-18 14:04
271,000	55,325	0,777	0,789	15894,003	16378,640	28,883	9,364	513,049	9,964	13,877	4,809	2017-09-18 14:05
271,167	55,328	0,777	0,789	15890,370	16342,733	51,526	9,315	512,957	10,106	13,644	4,769	2017-09-18 14:05
271,333	55,328	0,777	0,789	15899,083	16427,538	58,482	9,440	512,956	10,005	13,478	4,739	2017-09-18 14:05
271,500	55,336	0,777	0,789	15883,220	16391,905	56,751	9,371	512,957	9,952	13,766	4,790	2017-09-18 14:05
271,667	55,339	0,778	0,789	15888,215	16444,013	42,909	9,715	512,956	9,933	13,611	4,763	2017-09-18 14:05
271,834	55,338	0,777	0,789	15883,960	16454,054	36,127	9,801	512,957	10,049	13,708	4,780	2017-09-18 14:05
272,000	55,338	0,778	0,789	15918,694	16457,348	51,456	9,621	512,956	10,045	13,846	4,804	2017-09-18 14:06
272,167	55,338	0,777	0,789	15925,519	16563,687	43,451	9,707	512,956	9,997	13,576	4,757	2017-09-18 14:06
272,334	55,334	0,777	0,788	15932,674	16517,446	38,118	9,744	512,957	9,842	13,724	4,783	2017-09-18 14:06
272,500	55,330	0,777	0,788	15986,233	16531,961	40,633	9,705	512,814	9,935	13,664	4,772	2017-09-18 14:06
272,667	55,325	0,777	0,789	16022,524	16535,753	36,641	9,835	512,814	9,949	13,956	4,823	2017-09-18 14:06
272,834	55,323	0,778	0,790	16039,542	16630,302	45,119	10,284	512,814	9,660	13,659	4,771	2017-09-18 14:06
273,000	55,324	0,778	0,789	16037,188	16694,738	40,425	11,052	512,814	9,849	13,768	4,790	2017-09-18 14:07
273,167	55,331	0,778	0,790	16109,485	16704,942	32,458	11,426	512,814	9,833	13,825	4,800	2017-09-18 14:07
273,334	55,336	0,778	0,790	16139,173	16782,694	35,356	10,699	512,814	10,094	13,719	4,782	2017-09-18 14:07
273,500	55,336	0,777	0,790	16208,350	16589,267	46,759	9,426	512,720	10,091	13,730	4,784	2017-09-18 14:07
273,667	55,340	0,778	0,790	16234,182	16593,177	54,816	8,673	512,814	9,904	13,727	4,783	2017-09-18 14:07
273,834	55,340	0,778	0,790	16180,629	16614,156	70,409	8,677	512,721	10,167	13,887	4,811	2017-09-18 14:07
274,000	55,344	0,776	0,789	16123,691	16561,964	48,819	8,960	512,721	9,756	13,799	4,796	2017-09-18 14:08
274,167	55,346	0,777	0,789	16112,123	16491,327	43,732	9,030	512,721	10,084	13,822	4,800	2017-09-18 14:08
274,334	55,344	0,777	0,789	16098,218	16558,226	56,862	9,072	512,720	10,010	13,588	4,759	2017-09-18 14:08
274,500	55,344	0,777	0,789	16077,690	16537,281	60,976	8,786	512,720	9,846	13,638	4,768	2017-09-18 14:08
274,667	55,346	0,777	0,790	16086,696	16437,683	63,929	8,548	512,720	9,829	13,523	4,747	2017-09-18 14:08
274,833	55,347	0,778	0,789	16047,645	16417,577	68,540	8,921	512,721	10,321	13,948	4,821	2017-09-18 14:08
275,000	55,350	0,778	0,790	16022,021	16541,150	68,523	9,148	512,721	9,899	13,700	4,778	2017-09-18 14:09
275,167	55,354	0,778	0,791	16020,103	16520,777	65,149	9,566	512,627	9,973	13,523	4,747	2017-09-18 14:09
275,333	55,360	0,778	0,790	16002,696	16540,949	58,787	10,029	512,627	9,767	13,871	4,808	2017-09-18 14:09

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
275,500	0,208	0,612	0,534	0,247	0,349	92,643	20,069	12,757	22,151	22,126	21,073	20,885	21,616	20,360	78,602	59,944	73,051
275,667	0,205	0,623	0,534	0,253	0,350	92,655	20,052	19,597	22,165	22,131	21,070	20,903	21,620	20,362	78,629	59,952	73,067
275,833	0,205	0,635	0,534	0,250	0,343	92,627	20,059	10,604	22,153	22,131	21,063	20,892	21,622	20,366	78,718	59,957	73,104
276,000	0,206	0,604	0,534	0,251	0,344	92,619	20,055	8,919	22,151	22,117	21,067	20,897	21,625	20,363	78,683	59,964	73,136
276,167	0,208	0,571	0,534	0,249	0,347	92,572	20,070	19,045	22,153	22,131	21,077	20,905	21,609	20,368	78,679	59,970	73,183
276,333	0,210	0,548	0,534	0,244	0,345	92,564	20,072	9,816	22,136	22,122	21,059	20,890	21,612	20,363	78,625	59,978	73,205
276,500	0,210	0,551	0,534	0,249	0,344	92,578	20,107	15,032	22,172	22,142	21,085	20,896	21,617	20,370	78,521	59,982	73,191
276,667	0,212	0,553	0,534	0,243	0,340	92,575	20,118	7,957	22,164	22,126	21,068	20,894	21,607	20,367	78,641	59,978	73,166
276,833	0,207	0,580	0,534	0,253	0,343	92,548	20,087	11,663	22,153	22,124	21,068	20,892	21,622	20,362	78,621	59,975	73,149
277,000	0,208	0,597	0,534	0,251	0,338	92,543	20,089	17,750	22,158	22,126	21,061	20,890	21,628	20,364	78,553	59,976	73,143
277,167	0,205	0,608	0,534	0,252	0,344	92,603	20,103	18,218	22,154	22,121	21,059	20,889	21,613	20,363	78,676	59,972	73,133
277,333	0,207	0,582	0,534	0,251	0,339	92,561	20,077	19,890	22,179	22,138	21,073	20,910	21,615	20,366	78,610	59,974	73,154
277,500	0,210	0,552	0,534	0,255	0,341	92,560	20,093	17,201	22,169	22,136	21,071	20,907	21,629	20,367	78,490	59,971	73,175
277,667	0,209	0,540	0,534	0,245	0,342	92,555	20,099	17,462	22,177	22,136	21,076	20,904	21,616	20,367	78,532	59,974	73,156
277,833	0,210	0,542	0,534	0,250	0,344	92,589	20,085	13,259	22,170	22,132	21,061	20,906	21,634	20,367	78,587	59,967	73,121
278,000	0,211	0,543	0,534	0,248	0,346	92,572	20,097	9,780	22,172	22,153	21,089	20,891	21,612	20,368	78,518	59,956	73,106
278,167	0,213	0,545	0,534	0,243	0,337	92,610	20,076	10,861	22,172	22,148	21,069	20,896	21,615	20,367	78,493	59,944	73,108
278,333	0,212	0,566	0,533	0,251	0,342	92,579	20,094	12,637	22,160	22,142	21,059	20,896	21,628	20,370	78,446	59,941	73,066
278,500	0,207	0,594	0,534	0,251	0,341	92,657	20,099	13,054	22,187	22,153	21,084	20,914	21,628	20,376	78,655	59,931	73,050
278,667	0,207	0,603	0,533	0,249	0,338	92,783	20,139	12,827	22,195	22,160	21,072	20,923	21,649	20,382	78,524	59,922	73,044
278,834	0,209	0,604	0,533	0,258	0,342	92,849	20,133	10,942	22,183	22,144	21,073	20,902	21,600	20,371	78,528	59,916	73,071
279,000	0,208	0,588	0,533	0,249	0,342	92,902	20,132	9,441	22,176	22,165	21,081	20,913	21,633	20,372	78,530	59,922	73,078
279,167	0,210	0,574	0,533	0,251	0,340	92,862	20,138	16,162	22,193	22,155	21,073	20,909	21,627	20,372	78,508	59,921	73,093
279,334	0,212	0,564	0,533	0,250	0,336	92,845	20,133	21,424	22,198	22,163	21,068	20,905	21,624	20,374	78,613	59,929	73,095
279,500	0,209	0,573	0,533	0,248	0,343	92,868	20,110	25,100	22,202	22,169	21,071	20,908	21,625	20,376	78,570	59,928	73,083
279,667	0,206	0,597	0,533	0,249	0,343	92,842	20,109	23,958	22,190	22,169	21,080	20,913	21,616	20,379	78,690	59,932	73,078
279,834	0,207	0,610	0,533	0,248	0,344	92,910	20,160	19,303	22,247	22,217	21,129	20,961	21,667	20,423	78,676	59,929	73,104
280,000	0,205	0,615	0,533	0,255	0,341	92,833	20,135	14,867	22,230	22,184	21,092	20,933	21,649	20,403	78,698	59,931	73,144
280,167	0,205	0,604	0,533	0,252	0,341	92,860	20,113	19,653	22,206	22,164	21,083	20,917	21,624	20,378	78,758	59,924	73,170
280,334	0,208	0,589	0,533	0,247	0,336	92,901	20,102	13,092	22,228	22,182	21,077	20,908	21,636	20,379	78,591	59,928	73,190
280,500	0,204	0,608	0,533	0,254	0,339	92,953	20,063	10,237	22,204	22,172	21,073	20,906	21,641	20,380	78,780	59,925	73,201
280,667	0,204	0,629	0,533	0,247	0,339	93,000	20,088	24,852	22,224	22,186	21,096	20,921	21,653	20,392	78,857	59,928	73,202
280,834	0,205	0,619	0,533	0,254	0,343	92,982	20,090	21,544	22,212	22,177	21,063	20,922	21,637	20,376	78,861	59,916	73,224
281,000	0,204	0,612	0,533	0,249	0,342	93,016	20,101	10,666	22,215	22,181	21,097	20,921	21,636	20,387	78,889	59,918	73,270
281,167	0,204	0,618	0,532	0,250	0,348	93,005	20,135	20,446	22,215	22,181	21,088	20,934	21,637	20,395	78,899	59,937	73,309
281,333	0,203	0,619	0,532	0,249	0,343	93,030	20,129	16,145	22,228	22,179	21,100	20,938	21,643	20,398	78,922	59,944	73,326

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
275,500	55,364	0,777	0,790	16010,105	16591,445	60,869	10,288	512,627	9,882	13,945	4,821	2017-09-18 14:09
275,667	55,367	0,778	0,790	16014,376	16610,532	38,118	10,563	512,627	10,134	13,981	4,827	2017-09-18 14:09
275,833	55,364	0,777	0,789	16043,768	16677,382	41,099	10,866	512,627	10,019	13,714	4,781	2017-09-18 14:09
276,000	55,358	0,776	0,789	16071,228	16625,204	47,752	10,110	512,627	10,040	13,778	4,792	2017-09-18 14:10
276,167	55,354	0,778	0,790	16130,512	16647,259	58,224	9,286	512,627	9,978	13,884	4,810	2017-09-18 14:10
276,333	55,348	0,777	0,789	16151,408	16579,075	71,021	8,705	512,627	9,757	13,806	4,797	2017-09-18 14:10
276,500	55,344	0,778	0,789	16139,954	16494,444	68,630	8,779	512,627	9,970	13,775	4,791	2017-09-18 14:10
276,667	55,346	0,778	0,790	16136,398	16617,305	85,905	8,831	512,627	9,708	13,582	4,758	2017-09-18 14:10
276,833	55,344	0,779	0,791	16139,256	16605,275	49,882	9,498	512,627	10,110	13,713	4,781	2017-09-18 14:10
277,000	55,352	0,779	0,790	16110,425	16543,897	56,154	9,920	512,533	10,056	13,528	4,748	2017-09-18 14:11
277,167	55,354	0,778	0,790	16097,109	16644,122	42,113	10,205	512,533	10,098	13,774	4,791	2017-09-18 14:11
277,333	55,339	0,778	0,790	16131,166	16575,709	49,003	9,547	512,534	10,028	13,572	4,756	2017-09-18 14:11
277,500	55,322	0,778	0,789	16149,894	16471,200	70,580	8,799	512,533	10,217	13,639	4,768	2017-09-18 14:11
277,667	55,315	0,777	0,790	16143,065	16503,742	65,545	8,492	512,533	9,814	13,663	4,772	2017-09-18 14:11
277,833	55,312	0,778	0,790	16115,955	16567,913	73,523	8,559	512,533	9,995	13,768	4,790	2017-09-18 14:11
278,000	55,309	0,778	0,790	16110,400	16516,617	77,317	8,567	512,533	9,917	13,851	4,805	2017-09-18 14:12
278,167	55,305	0,778	0,790	16113,676	16508,235	89,060	8,633	512,534	9,716	13,498	4,743	2017-09-18 14:12
278,333	55,299	0,778	0,790	16085,703	16456,759	83,404	9,147	512,439	10,036	13,677	4,774	2017-09-18 14:12
278,500	55,297	0,778	0,790	16072,475	16656,743	49,650	9,839	512,533	10,047	13,633	4,767	2017-09-18 14:12
278,667	55,299	0,778	0,789	16053,649	16544,991	52,599	10,081	512,440	9,974	13,504	4,744	2017-09-18 14:12
278,834	55,304	0,777	0,790	16090,806	16549,012	62,720	10,098	512,440	10,327	13,689	4,776	2017-09-18 14:12
279,000	55,307	0,778	0,789	16072,727	16555,930	55,521	9,706	512,440	9,961	13,688	4,776	2017-09-18 14:13
279,167	55,303	0,777	0,789	16090,175	16517,302	69,565	9,357	512,440	10,036	13,598	4,761	2017-09-18 14:13
279,334	55,296	0,777	0,789	16098,399	16615,291	82,507	9,091	512,439	9,990	13,428	4,731	2017-09-18 14:13
279,500	55,289	0,778	0,790	16113,992	16582,002	64,544	9,332	512,439	9,919	13,718	4,782	2017-09-18 14:13
279,667	55,284	0,778	0,790	16114,307	16692,350	48,538	9,929	512,439	9,961	13,740	4,785	2017-09-18 14:13
279,834	55,281	0,778	0,790	16131,975	16689,030	53,659	10,257	512,439	9,911	13,753	4,788	2017-09-18 14:13
280,000	55,279	0,778	0,789	16159,891	16694,117	40,835	10,378	512,439	10,200	13,650	4,770	2017-09-18 14:14
280,167	55,263	0,778	0,789	16194,886	16753,887	41,259	10,090	512,346	10,097	13,638	4,768	2017-09-18 14:14
280,334	55,257	0,777	0,790	16227,143	16591,983	58,325	9,716	512,346	9,882	13,454	4,735	2017-09-18 14:14
280,500	55,255	0,778	0,790	16239,698	16769,588	35,481	10,203	512,346	10,155	13,544	4,751	2017-09-18 14:14
280,667	55,259	0,777	0,789	16224,012	16824,598	35,936	10,735	512,346	9,890	13,575	4,757	2017-09-18 14:14
280,834	55,263	0,777	0,790	16253,177	16844,765	41,707	10,481	512,346	10,174	13,723	4,782	2017-09-18 14:14
281,000	55,263	0,777	0,789	16282,766	16859,182	34,741	10,293	512,346	9,960	13,684	4,776	2017-09-18 14:15
281,167	55,265	0,777	0,789	16314,499	16853,405	33,264	10,451	512,253	9,988	13,904	4,814	2017-09-18 14:15
281,333	55,255	0,778	0,790	16353,464	16880,245	26,631	10,474	512,253	9,969	13,707	4,780	2017-09-18 14:15

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
281,500	0,204	0,610	0,533	0,249	0,344	93,032	20,134	15,572	22,205	22,172	21,084	20,922	21,636	20,384	78,973	59,952	73,330
281,667	0,207	0,601	0,532	0,254	0,341	93,011	20,106	25,219	22,193	22,178	21,088	20,918	21,649	20,384	79,032	59,955	73,332
281,833	0,204	0,590	0,532	0,249	0,334	93,072	20,037	22,545	22,212	22,190	21,093	20,935	21,636	20,390	79,023	59,952	73,359
282,000	0,204	0,589	0,532	0,254	0,341	93,111	20,066	17,568	22,208	22,185	21,079	20,920	21,632	20,386	79,024	59,949	73,357
282,167	0,205	0,599	0,532	0,249	0,338	93,131	20,093	21,330	22,237	22,210	21,092	20,937	21,657	20,406	78,951	59,952	73,372
282,333	0,204	0,597	0,532	0,247	0,341	93,108	20,073	12,900	22,223	22,197	21,085	20,916	21,624	20,384	79,020	59,947	73,390
282,500	0,206	0,585	0,532	0,247	0,340	93,055	20,079	14,085	22,210	22,178	21,085	20,906	21,632	20,382	79,004	59,949	73,395
282,667	0,206	0,573	0,532	0,247	0,336	92,997	20,060	21,337	22,201	22,182	21,085	20,917	21,637	20,388	78,957	59,947	73,386
282,833	0,211	0,558	0,532	0,250	0,345	92,982	20,054	12,904	22,222	22,187	21,105	20,937	21,660	20,402	78,879	59,941	73,387
283,000	0,217	0,539	0,531	0,250	0,342	92,914	20,076	16,148	22,226	22,211	21,105	20,943	21,655	20,406	78,869	59,937	73,378
283,167	0,223	0,521	0,532	0,251	0,346	92,848	20,105	15,605	22,260	22,215	21,122	20,942	21,672	20,411	78,800	59,937	73,337
283,333	0,215	0,529	0,531	0,248	0,350	92,748	20,084	12,013	22,224	22,179	21,089	20,924	21,633	20,390	78,733	59,927	73,322
283,500	0,210	0,540	0,531	0,250	0,342	92,736	20,092	21,684	22,244	22,207	21,109	20,929	21,657	20,399	78,674	59,921	73,290
283,667	0,208	0,582	0,531	0,242	0,338	92,660	20,124	24,764	22,243	22,220	21,120	20,948	21,684	20,420	78,555	59,921	73,251
283,833	0,204	0,606	0,531	0,251	0,341	92,611	20,032	17,143	22,227	22,193	21,082	20,920	21,647	20,396	78,699	59,908	73,212
284,000	0,205	0,590	0,531	0,249	0,344	92,506	20,033	20,980	22,229	22,179	21,108	20,937	21,641	20,392	78,590	59,893	73,181
284,167	0,204	0,582	0,531	0,254	0,344	92,490	20,101	22,888	22,275	22,225	21,148	20,960	21,686	20,432	78,576	59,883	73,182
284,333	0,205	0,583	0,531	0,247	0,339	92,383	20,092	17,053	22,225	22,192	21,091	20,926	21,639	20,391	78,486	59,874	73,170
284,500	0,206	0,586	0,531	0,248	0,342	92,353	20,058	18,145	22,235	22,193	21,096	20,931	21,656	20,391	78,566	59,867	73,128
284,667	0,206	0,599	0,531	0,245	0,342	92,288	20,054	15,931	22,222	22,175	21,080	20,918	21,639	20,388	78,493	59,851	73,094
284,833	0,205	0,601	0,531	0,246	0,345	92,201	20,090	10,643	22,223	22,171	21,083	20,926	21,626	20,388	78,664	59,838	73,086
285,000	0,206	0,578	0,531	0,246	0,347	92,170	20,107	19,110	22,235	22,205	21,120	20,953	21,664	20,411	78,591	59,838	73,079
285,167	0,207	0,560	0,531	0,250	0,346	92,047	20,143	11,471	22,240	22,199	21,112	20,953	21,655	20,419	78,450	59,843	73,081
285,334	0,208	0,549	0,531	0,248	0,347	91,982	20,104	10,921	22,231	22,185	21,089	20,914	21,644	20,391	78,421	59,835	73,055
285,500	0,215	0,547	0,531	0,252	0,344	92,030	20,178	15,002	22,211	22,168	21,108	20,931	21,658	20,392	78,425	59,836	73,031
285,667	0,207	0,553	0,531	0,249	0,341	92,073	20,152	7,157	22,248	22,204	21,120	20,957	21,653	20,412	78,370	59,840	72,993
285,834	0,207	0,575	0,531	0,240	0,345	92,130	20,124	14,301	22,266	22,205	21,122	20,940	21,672	20,414	78,412	59,828	72,955
286,000	0,206	0,607	0,531	0,249	0,345	92,163	20,176	21,912	22,228	22,200	21,117	20,941	21,659	20,406	78,356	59,823	72,909
286,167	0,205	0,610	0,531	0,256	0,345	92,133	20,189	15,972	22,244	22,204	21,101	20,934	21,668	20,404	78,385	59,811	72,927
286,334	0,205	0,621	0,531	0,251	0,341	92,110	20,207	13,487	22,221	22,201	21,120	20,936	21,657	20,407	78,444	59,803	72,909
286,500	0,204	0,610	0,531	0,249	0,344	92,100	20,223	12,841	22,252	22,221	21,124	20,949	21,672	20,416	78,330	59,800	72,913
286,667	0,203	0,609	0,530	0,244	0,341	92,078	20,176	14,197	22,224	22,187	21,114	20,939	21,651	20,400	78,410	59,788	72,916
286,834	0,204	0,604	0,531	0,251	0,343	92,077	20,155	6,476	22,219	22,183	21,114	20,933	21,654	20,396	78,396	59,779	72,935
287,000	0,206	0,582	0,530	0,258	0,340	92,037	20,182	15,343	22,232	22,197	21,113	20,941	21,653	20,406	78,446	59,784	72,955
287,167	0,206	0,557	0,530	0,253	0,346	92,010	20,169	15,746	22,248	22,191	21,117	20,948	21,670	20,415	78,334	59,787	72,954
287,334	0,207	0,538	0,530	0,244	0,344	92,028	20,152	13,459	22,237	22,202	21,114	20,950	21,665	20,404	78,280	59,787	72,947

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
281,500	55,248	0,777	0,789	16351,198	16908,890	34,960	10,259	512,346	9,972	13,765	4,790	2017-09-18 14:15
281,667	55,242	0,777	0,789	16363,842	16964,738	49,306	10,027	512,253	10,143	13,658	4,771	2017-09-18 14:15
281,833	55,238	0,778	0,791	16414,492	16976,660	36,165	9,758	512,253	9,977	13,358	4,718	2017-09-18 14:15
282,000	55,236	0,778	0,790	16411,453	16966,389	35,950	9,718	512,253	10,170	13,626	4,765	2017-09-18 14:16
282,167	55,225	0,778	0,790	16435,048	16902,128	39,153	9,968	512,253	9,954	13,504	4,744	2017-09-18 14:16
282,333	55,217	0,777	0,789	16435,687	16962,507	34,977	9,929	512,253	9,886	13,621	4,765	2017-09-18 14:16
282,500	55,208	0,777	0,788	16433,414	16940,258	44,837	9,636	512,253	9,871	13,605	4,762	2017-09-18 14:16
282,667	55,214	0,777	0,789	16434,803	16899,643	43,399	9,334	512,253	9,866	13,458	4,736	2017-09-18 14:16
282,833	55,216	0,777	0,790	16442,330	16827,743	78,144	8,943	512,253	9,996	13,793	4,795	2017-09-18 14:16
283,000	55,217	0,778	0,790	16433,848	16837,720	112,989	8,467	512,116	10,019	13,665	4,772	2017-09-18 14:17
283,167	55,217	0,778	0,790	16407,912	16792,810	152,535	8,018	512,253	10,034	13,855	4,805	2017-09-18 14:17
283,333	55,217	0,777	0,790	16382,393	16717,968	103,111	8,234	512,116	9,919	13,989	4,829	2017-09-18 14:17
283,500	55,214	0,777	0,790	16361,003	16666,335	70,653	8,493	512,115	10,005	13,673	4,774	2017-09-18 14:17
283,667	55,210	0,777	0,789	16319,757	16556,342	59,079	9,562	512,116	9,661	13,519	4,747	2017-09-18 14:17
283,833	55,200	0,778	0,789	16286,263	16712,821	33,827	10,147	512,115	10,028	13,645	4,769	2017-09-18 14:17
284,000	55,188	0,778	0,791	16301,870	16638,349	37,513	9,742	512,115	9,951	13,743	4,786	2017-09-18 14:18
284,167	55,186	0,778	0,790	16296,208	16633,121	35,515	9,552	512,115	10,159	13,775	4,791	2017-09-18 14:18
284,333	55,182	0,778	0,790	16282,719	16565,321	40,209	9,566	512,115	9,861	13,569	4,756	2017-09-18 14:18
284,500	55,188	0,777	0,789	16216,281	16619,447	44,434	9,642	512,115	9,919	13,673	4,774	2017-09-18 14:18
284,667	55,192	0,777	0,789	16191,115	16576,971	42,920	9,974	512,116	9,788	13,664	4,772	2017-09-18 14:18
284,833	55,193	0,777	0,790	16191,908	16740,628	38,371	10,018	512,022	9,831	13,799	4,796	2017-09-18 14:18
285,000	55,197	0,777	0,789	16175,358	16676,742	44,518	9,456	512,021	9,846	13,892	4,812	2017-09-18 14:19
285,167	55,202	0,777	0,789	16160,102	16529,952	53,812	9,007	512,022	10,015	13,832	4,801	2017-09-18 14:19
285,334	55,204	0,777	0,789	16133,408	16522,630	56,762	8,734	512,116	9,912	13,896	4,813	2017-09-18 14:19
285,500	55,204	0,777	0,790	16129,394	16527,882	102,187	8,686	512,022	10,067	13,754	4,788	2017-09-18 14:19
285,667	55,200	0,777	0,790	16101,050	16478,621	49,451	8,826	512,022	9,958	13,659	4,771	2017-09-18 14:19
285,834	55,196	0,778	0,790	16080,695	16534,598	48,802	9,378	512,022	9,605	13,802	4,796	2017-09-18 14:19
286,000	55,184	0,778	0,789	16027,413	16485,257	43,149	10,187	512,022	9,961	13,807	4,797	2017-09-18 14:20
286,167	55,174	0,778	0,790	16064,315	16528,878	41,922	10,262	512,022	10,245	13,808	4,797	2017-09-18 14:20
286,334	55,172	0,778	0,790	16063,968	16588,066	39,223	10,521	512,022	10,026	13,647	4,769	2017-09-18 14:20
286,500	55,173	0,778	0,790	16054,590	16482,693	32,656	10,251	512,022	9,945	13,746	4,786	2017-09-18 14:20
286,667	55,172	0,777	0,789	16051,873	16548,491	29,519	10,220	511,928	9,774	13,634	4,767	2017-09-18 14:20
286,834	55,172	0,777	0,789	16061,651	16551,964	35,599	10,095	512,022	10,057	13,735	4,785	2017-09-18 14:20
287,000	55,172	0,777	0,789	16078,362	16587,279	43,760	9,545	511,928	10,319	13,618	4,764	2017-09-18 14:21
287,167	55,174	0,777	0,789	16082,378	16494,422	42,944	8,930	511,928	10,101	13,823	4,800	2017-09-18 14:21
287,334	55,173	0,778	0,789	16073,974	16448,015	53,635	8,454	511,928	9,741	13,764	4,790	2017-09-18 14:21

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
287,500	0,207	0,539	0,530	0,243	0,342	92,047	20,178	33,997	22,228	22,196	21,111	20,949	21,661	20,406	78,305	59,785	72,908
287,667	0,209	0,536	0,530	0,248	0,352	92,046	20,166	8,934	22,257	22,217	21,119	20,958	21,669	20,420	78,168	59,783	72,902
287,834	0,210	0,540	0,530	0,250	0,357	92,048	20,151	8,605	22,252	22,200	21,113	20,959	21,660	20,414	78,107	59,781	72,878
288,000	0,206	0,548	0,530	0,256	0,350	91,972	20,129	76,785	22,223	22,187	21,109	20,941	21,653	20,406	78,211	59,776	72,829
288,167	0,207	0,561	0,530	0,252	0,353	91,983	20,117	29,291	22,216	22,168	21,113	20,929	21,657	20,396	77,932	59,767	72,793
288,333	0,204	0,581	0,530	0,250	0,356	91,998	20,175	17,140	22,243	22,208	21,144	20,965	21,682	20,427	78,119	59,748	72,784
288,500	0,203	0,600	0,530	0,250	0,351	91,992	20,156	17,925	22,227	22,188	21,112	20,941	21,652	20,404	78,135	59,733	72,734
288,667	0,203	0,609	0,530	0,246	0,351	92,028	20,159	11,317	22,210	22,154	21,114	20,929	21,644	20,399	78,142	59,710	72,726
288,833	0,203	0,591	0,530	0,245	0,348	92,015	20,144	9,734	22,221	22,187	21,101	20,947	21,652	20,404	78,174	59,709	72,755
289,000	0,204	0,596	0,530	0,249	0,351	91,988	20,156	13,966	22,194	22,175	21,123	20,938	21,660	20,402	78,219	59,713	72,751
289,167	0,202	0,606	0,530	0,252	0,352	91,988	20,141	16,955	22,201	22,175	21,112	20,945	21,668	20,407	78,242	59,713	72,769
289,333	0,202	0,608	0,530	0,247	0,354	92,023	20,154	21,780	22,204	22,182	21,134	20,955	21,669	20,416	78,317	59,717	72,786
289,500	0,203	0,606	0,530	0,247	0,350	91,984	20,168	11,759	22,205	22,195	21,132	20,955	21,660	20,419	78,255	59,717	72,804
289,667	0,206	0,599	0,530	0,247	0,357	91,925	20,164	18,109	22,205	22,174	21,124	20,938	21,666	20,414	78,316	59,717	72,825
289,833	0,206	0,561	0,530	0,256	0,354	91,881	20,129	23,286	22,176	22,167	21,110	20,926	21,658	20,403	78,162	59,710	72,847
290,000	0,207	0,535	0,530	0,249	0,355	91,861	20,150	19,592	22,191	22,163	21,122	20,945	21,664	20,406	78,046	59,713	72,852
290,167	0,207	0,524	0,529	0,250	0,350	91,835	20,125	13,825	22,174	22,163	21,103	20,932	21,661	20,402	77,979	59,713	72,817
290,333	0,206	0,532	0,530	0,251	0,358	91,840	20,133	13,699	22,170	22,174	21,112	20,929	21,659	20,406	78,085	59,709	72,730
290,500	0,206	0,557	0,530	0,259	0,357	91,857	20,118	20,197	22,193	22,181	21,129	20,930	21,659	20,407	78,003	59,690	72,677
290,667	0,204	0,578	0,529	0,249	0,350	91,842	20,117	22,181	22,174	22,175	21,118	20,932	21,658	20,404	77,952	59,667	72,643
290,833	0,204	0,584	0,529	0,253	0,353	91,820	20,130	13,459	22,183	22,170	21,130	20,934	21,666	20,410	78,073	59,651	72,616
291,000	0,203	0,583	0,529	0,247	0,346	91,797	20,123	6,942	22,163	22,161	21,109	20,930	21,656	20,404	77,949	59,647	72,628
291,167	0,204	0,563	0,529	0,252	0,346	91,721	20,137	7,610	22,175	22,167	21,111	20,934	21,677	20,408	77,813	59,660	72,640
291,333	0,208	0,542	0,529	0,254	0,345	91,733	20,144	10,899	22,193	22,163	21,114	20,942	21,666	20,408	78,044	59,667	72,642
291,500	0,208	0,551	0,529	0,254	0,353	91,733	20,135	20,600	22,176	22,176	21,115	20,927	21,659	20,410	77,960	59,672	72,615
291,667	0,203	0,586	0,529	0,254	0,354	91,761	20,134	19,987	22,178	22,174	21,122	20,946	21,665	20,415	77,921	59,668	72,627
291,833	0,206	0,600	0,529	0,253	0,350	91,701	20,141	12,588	22,191	22,178	21,126	20,938	21,681	20,416	77,876	59,670	72,600
292,000	0,205	0,595	0,529	0,247	0,346	91,776	20,134	24,431	22,207	22,183	21,136	20,948	21,681	20,423	77,798	59,663	72,573
292,167	0,207	0,598	0,529	0,253	0,345	91,832	20,141	16,618	22,196	22,178	21,128	20,948	21,686	20,424	77,976	59,642	72,541
292,334	0,205	0,601	0,529	0,249	0,354	91,841	20,137	20,690	22,183	22,178	21,119	20,942	21,669	20,414	77,926	59,624	72,534
292,500	0,204	0,605	0,529	0,244	0,352	91,937	20,156	19,535	22,195	22,178	21,129	20,945	21,665	20,419	78,084	59,621	72,539
292,667	0,206	0,606	0,529	0,243	0,344	91,933	20,137	12,577	22,182	22,165	21,132	20,942	21,674	20,420	78,098	59,613	72,573
292,834	0,206	0,600	0,529	0,248	0,349	91,981	20,124	20,028	22,197	22,180	21,130	20,950	21,680	20,420	78,039	59,623	72,616
293,000	0,207	0,596	0,529	0,252	0,351	92,042	20,142	15,599	22,182	22,174	21,129	20,958	21,677	20,428	78,130	59,639	72,657
293,167	0,206	0,571	0,529	0,248	0,347	92,071	20,154	20,055	22,200	22,189	21,141	20,962	21,698	20,441	78,155	59,654	72,657
293,334	0,207	0,545	0,529	0,256	0,343	92,038	20,119	12,902	22,188	22,165	21,132	20,944	21,678	20,420	78,212	59,652	72,676

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
287,500	55,170	0,777	0,789	16043,201	16454,625	53,009	8,478	511,928	9,739	13,696	4,778	2017-09-18 14:21
287,667	55,168	0,777	0,789	16033,387	16342,785	63,537	8,411	511,927	9,918	14,078	4,844	2017-09-18 14:21
287,834	55,157	0,777	0,788	16011,896	16284,408	70,806	8,507	511,927	10,013	14,274	4,878	2017-09-18 14:21
288,000	55,135	0,777	0,790	16012,952	16389,507	44,177	8,695	511,928	10,245	13,988	4,828	2017-09-18 14:22
288,167	55,119	0,778	0,789	15987,259	16157,407	53,051	9,019	511,928	10,084	14,132	4,853	2017-09-18 14:22
288,333	55,117	0,777	0,790	15984,617	16326,624	34,539	9,537	511,928	10,013	14,249	4,873	2017-09-18 14:22
288,500	55,114	0,778	0,790	15943,394	16374,214	25,888	9,993	511,835	9,990	14,032	4,836	2017-09-18 14:22
288,667	55,119	0,777	0,790	15932,143	16386,019	28,441	10,216	511,835	9,824	14,049	4,839	2017-09-18 14:22
288,833	55,121	0,778	0,790	15961,629	16434,367	28,490	9,765	511,835	9,791	13,934	4,819	2017-09-18 14:22
289,000	55,122	0,777	0,789	15945,636	16457,651	30,140	9,907	511,834	9,952	14,057	4,840	2017-09-18 14:23
289,167	55,119	0,777	0,790	15971,282	16479,041	22,643	10,138	511,834	10,079	14,081	4,844	2017-09-18 14:23
289,333	55,114	0,777	0,790	15997,157	16528,189	22,590	10,197	511,835	9,861	14,163	4,858	2017-09-18 14:23
289,500	55,109	0,777	0,789	16000,421	16486,462	27,837	10,147	511,834	9,889	14,004	4,831	2017-09-18 14:23
289,667	55,098	0,777	0,789	16025,607	16528,320	42,718	9,963	511,835	9,890	14,279	4,878	2017-09-18 14:23
289,833	55,087	0,776	0,789	16057,790	16384,734	46,064	9,034	511,835	10,256	14,179	4,861	2017-09-18 14:23
290,000	55,076	0,777	0,789	16072,118	16298,340	53,214	8,376	511,835	9,942	14,189	4,863	2017-09-18 14:24
290,167	55,074	0,777	0,789	16049,156	16244,769	50,855	8,094	511,740	9,997	14,001	4,831	2017-09-18 14:24
290,333	55,070	0,778	0,790	15994,034	16355,361	47,954	8,293	511,835	10,040	14,323	4,886	2017-09-18 14:24
290,500	55,072	0,777	0,789	15927,040	16285,592	42,937	8,929	511,834	10,368	14,290	4,880	2017-09-18 14:24
290,667	55,090	0,777	0,790	15881,853	16248,770	32,461	9,454	511,740	9,968	13,984	4,828	2017-09-18 14:24
290,833	55,102	0,777	0,789	15842,943	16376,822	32,871	9,602	511,740	10,104	14,123	4,852	2017-09-18 14:24
291,000	55,113	0,777	0,789	15831,234	16265,742	29,908	9,565	511,740	9,871	13,835	4,802	2017-09-18 14:25
291,167	55,110	0,776	0,789	15847,520	16110,904	34,960	9,080	511,740	10,072	13,826	4,800	2017-09-18 14:25
291,333	55,106	0,777	0,789	15853,340	16335,611	59,190	8,546	511,740	10,155	13,790	4,794	2017-09-18 14:25
291,500	55,098	0,777	0,789	15842,539	16258,947	60,556	8,773	511,740	10,161	14,131	4,853	2017-09-18 14:25
291,667	55,083	0,778	0,790	15874,868	16234,531	24,470	9,638	511,740	10,150	14,149	4,856	2017-09-18 14:25
291,833	55,071	0,777	0,790	15859,831	16192,038	42,447	9,999	511,740	10,110	14,016	4,833	2017-09-18 14:25
292,000	55,060	0,778	0,789	15837,847	16140,067	42,318	9,869	511,740	9,864	13,858	4,806	2017-09-18 14:26
292,167	55,055	0,777	0,790	15823,196	16299,783	51,637	9,942	511,647	10,129	13,818	4,799	2017-09-18 14:26
292,334	55,055	0,778	0,790	15828,729	16286,908	40,623	10,031	511,647	9,943	14,162	4,858	2017-09-18 14:26
292,500	55,066	0,778	0,790	15812,189	16428,329	34,768	10,120	511,647	9,753	14,073	4,843	2017-09-18 14:26
292,667	55,078	0,778	0,790	15829,266	16442,334	45,869	10,158	511,647	9,738	13,776	4,792	2017-09-18 14:26
292,834	55,084	0,778	0,790	15865,134	16389,088	47,336	10,002	511,646	9,917	13,970	4,825	2017-09-18 14:26
293,000	55,086	0,778	0,790	15906,611	16449,569	50,112	9,903	511,646	10,073	14,041	4,838	2017-09-18 14:27
293,167	55,084	0,777	0,790	15903,097	16454,212	47,537	9,274	511,647	9,910	13,884	4,810	2017-09-18 14:27
293,334	55,078	0,777	0,790	15924,735	16497,671	50,084	8,634	511,647	10,235	13,712	4,780	2017-09-18 14:27

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
293,500	0,213	0,534	0,529	0,251	0,350	92,080	20,137	18,090	22,191	22,167	21,119	20,936	21,669	20,418	78,044	59,655	72,700
293,667	0,210	0,541	0,528	0,257	0,356	92,157	20,119	12,573	22,183	22,179	21,111	20,950	21,668	20,419	78,075	59,664	72,720
293,834	0,208	0,568	0,529	0,248	0,356	92,205	20,120	16,883	22,182	22,182	21,126	20,944	21,668	20,419	78,153	59,667	72,658
294,000	0,206	0,590	0,528	0,249	0,352	92,276	20,111	24,198	22,187	22,182	21,145	20,956	21,672	20,422	78,046	59,659	72,642
294,167	0,204	0,593	0,528	0,251	0,347	92,305	20,130	22,854	22,191	22,180	21,132	20,970	21,689	20,422	78,071	59,642	72,654
294,334	0,204	0,598	0,528	0,242	0,346	92,309	20,119	17,234	22,190	22,182	21,128	20,946	21,677	20,422	78,294	59,634	72,640
294,500	0,203	0,592	0,528	0,246	0,349	92,310	20,124	23,201	22,203	22,186	21,145	20,954	21,672	20,426	78,228	59,627	72,654
294,667	0,205	0,610	0,528	0,249	0,353	92,337	20,134	15,178	22,195	22,186	21,153	20,967	21,688	20,432	78,330	59,634	72,699
294,834	0,203	0,610	0,528	0,247	0,351	92,332	20,133	18,717	22,182	22,169	21,134	20,944	21,672	20,416	78,410	59,650	72,739
295,000	0,205	0,593	0,528	0,245	0,353	92,414	20,175	15,262	22,190	22,191	21,142	20,956	21,693	20,432	78,365	59,685	72,792
295,167	0,205	0,585	0,528	0,245	0,353	92,409	20,120	18,268	22,211	22,186	21,140	20,954	21,680	20,430	78,282	59,715	72,840
295,333	0,205	0,582	0,528	0,253	0,350	92,442	20,238	15,301	22,204	22,190	21,150	20,962	21,705	20,441	78,123	59,746	72,870
295,500	0,205	0,593	0,528	0,249	0,353	92,387	20,207	17,129	22,197	22,167	21,132	20,945	21,668	20,422	78,218	59,753	72,856
295,667	0,203	0,580	0,528	0,246	0,344	92,455	20,192	20,840	22,209	22,187	21,146	20,964	21,696	20,435	78,207	59,756	72,840
295,833	0,206	0,563	0,528	0,249	0,349	92,493	20,154	7,348	22,203	22,182	21,158	20,957	21,694	20,432	78,147	59,753	72,823
296,000	0,209	0,557	0,528	0,249	0,346	92,491	20,116	5,432	22,213	22,204	21,148	20,965	21,680	20,434	78,102	59,744	72,813
296,167	0,208	0,567	0,528	0,253	0,352	92,536	20,133	14,262	22,208	22,178	21,157	20,961	21,673	20,430	78,180	59,730	72,790
296,333	0,207	0,570	0,528	0,252	0,344	92,519	20,117	9,809	22,205	22,195	21,126	20,948	21,677	20,418	78,300	59,721	72,762
296,500	0,209	0,582	0,528	0,248	0,352	92,603	20,123	20,753	22,204	22,184	21,147	20,953	21,668	20,423	78,309	59,718	72,762
296,667	0,205	0,602	0,527	0,249	0,347	92,638	20,096	20,424	22,188	22,195	21,137	20,950	21,684	20,426	78,313	59,728	72,809
296,833	0,203	0,618	0,527	0,252	0,351	92,783	20,124	19,465	22,199	22,211	21,140	20,966	21,675	20,428	78,363	59,749	72,811
297,000	0,203	0,629	0,527	0,251	0,354	92,829	20,147	20,918	22,191	22,199	21,142	20,945	21,671	20,423	78,547	59,763	72,843
297,167	0,204	0,629	0,527	0,248	0,356	92,870	20,145	22,611	22,194	22,199	21,149	20,957	21,689	20,428	78,547	59,781	72,897
297,333	0,202	0,635	0,527	0,247	0,350	92,852	20,091	12,935	22,204	22,198	21,145	20,967	21,679	20,432	78,621	59,796	72,966
297,500	0,205	0,641	0,527	0,253	0,348	92,900	20,113	15,636	22,199	22,192	21,145	20,952	21,679	20,428	78,749	59,818	73,027
297,667	0,203	0,625	0,527	0,247	0,350	92,900	20,116	25,437	22,212	22,182	21,141	20,958	21,689	20,434	78,835	59,834	73,085
297,833	0,205	0,601	0,527	0,256	0,350	92,841	20,116	24,753	22,211	22,196	21,148	20,961	21,696	20,435	78,758	59,849	73,147
298,000	0,206	0,580	0,527	0,247	0,347	92,795	20,125	24,885	22,225	22,188	21,146	20,965	21,669	20,427	78,703	59,857	73,172
298,167	0,205	0,576	0,527	0,246	0,349	92,746	20,166	23,521	22,220	22,194	21,125	20,953	21,686	20,426	78,763	59,869	73,203
298,333	0,205	0,581	0,527	0,254	0,348	92,776	20,174	21,326	22,226	22,207	21,136	20,958	21,692	20,428	78,758	59,882	73,208
298,500	0,204	0,600	0,527	0,244	0,350	92,733	20,140	20,137	22,225	22,205	21,131	20,957	21,682	20,427	78,872	59,889	73,206
298,667	0,203	0,614	0,527	0,242	0,349	92,775	20,132	17,938	22,233	22,209	21,158	20,968	21,693	20,435	78,849	59,893	73,199
298,840	0,204	0,613	0,527	0,242	0,351	92,928	20,154	11,751	22,234	22,216	21,148	20,964	21,704	20,438	78,823	59,914	73,218
299,000	0,204	0,590	0,527	0,260	0,354	92,994	20,153	17,717	22,224	22,196	21,148	20,967	21,693	20,432	78,649	59,916	73,225
299,167	0,205	0,563	0,526	0,252	0,349	93,013	20,135	18,642	22,225	22,207	21,154	20,972	21,683	20,438	78,792	59,927	73,260
299,334	0,208	0,546	0,527	0,257	0,351	92,912	20,132	2,688	22,225	22,208	21,141	20,985	21,701	20,441	78,678	59,936	73,228

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
293,500	55,070	0,777	0,790	15966,772	16350,381	89,053	8,360	511,647	10,048	13,988	4,828	2017-09-18 14:27
293,667	55,062	0,777	0,790	15988,984	16360,760	72,296	8,536	511,553	10,282	14,235	4,871	2017-09-18 14:27
293,834	55,052	0,777	0,789	15914,294	16425,005	55,963	9,198	511,647	9,937	14,242	4,872	2017-09-18 14:27
294,000	55,040	0,777	0,789	15914,703	16335,162	46,293	9,758	511,553	9,946	14,064	4,842	2017-09-18 14:28
294,167	55,032	0,776	0,790	15946,694	16369,481	32,653	9,830	511,553	10,031	13,875	4,809	2017-09-18 14:28
294,334	55,043	0,777	0,790	15924,686	16579,839	34,998	9,941	511,552	9,691	13,823	4,800	2017-09-18 14:28
294,500	55,093	0,777	0,790	15897,112	16544,538	28,483	9,808	511,553	9,846	13,942	4,820	2017-09-18 14:28
294,667	55,126	0,777	0,790	15907,900	16615,032	36,853	10,241	511,552	9,941	14,128	4,852	2017-09-18 14:28
294,834	55,145	0,778	0,790	15932,585	16687,239	23,907	10,253	511,553	9,891	14,058	4,840	2017-09-18 14:28
295,000	55,154	0,777	0,789	15954,274	16602,105	41,168	9,816	511,460	9,795	14,124	4,852	2017-09-18 14:29
295,167	55,161	0,777	0,790	16002,068	16506,099	38,979	9,626	511,460	9,798	14,136	4,854	2017-09-18 14:29
295,333	55,159	0,777	0,790	16035,637	16340,899	41,248	9,540	511,552	10,134	14,001	4,831	2017-09-18 14:29
295,500	55,150	0,778	0,790	16034,177	16427,776	36,207	9,830	511,460	9,962	14,120	4,851	2017-09-18 14:29
295,667	55,142	0,777	0,790	16014,087	16403,981	25,940	9,499	511,460	9,852	13,763	4,789	2017-09-18 14:29
295,833	55,133	0,777	0,789	16001,947	16340,854	45,869	9,068	511,460	9,976	13,978	4,827	2017-09-18 14:29
296,000	55,126	0,776	0,789	15997,904	16297,744	63,068	8,916	511,460	9,975	13,858	4,806	2017-09-18 14:30
296,167	55,129	0,777	0,789	15973,390	16392,395	56,755	9,180	511,460	10,121	14,100	4,848	2017-09-18 14:30
296,333	55,149	0,778	0,791	15955,114	16534,342	48,680	9,243	511,460	10,082	13,769	4,791	2017-09-18 14:30
296,500	55,174	0,778	0,791	15934,083	16539,548	61,584	9,551	511,460	9,903	14,067	4,842	2017-09-18 14:30
296,667	55,196	0,778	0,790	15952,642	16539,014	39,205	10,041	511,317	9,961	13,867	4,807	2017-09-18 14:30
296,833	55,209	0,777	0,791	15945,111	16541,430	29,724	10,442	511,318	10,080	14,056	4,840	2017-09-18 14:30
297,000	55,216	0,777	0,789	15935,390	16689,987	28,890	10,718	511,318	10,037	14,159	4,858	2017-09-18 14:31
297,167	55,218	0,776	0,790	15997,451	16661,493	34,744	10,730	511,317	9,901	14,248	4,873	2017-09-18 14:31
297,333	55,220	0,777	0,790	16069,766	16727,225	22,524	10,867	511,318	9,884	13,991	4,829	2017-09-18 14:31
297,500	55,216	0,777	0,790	16125,001	16818,317	41,759	11,015	511,317	10,126	13,906	4,814	2017-09-18 14:31
297,667	55,213	0,777	0,789	16163,018	16892,473	25,544	10,613	511,318	9,881	13,990	4,829	2017-09-18 14:31
297,833	55,208	0,776	0,789	16209,932	16795,972	38,111	10,020	511,224	10,225	14,014	4,833	2017-09-18 14:31
298,000	55,209	0,778	0,790	16255,545	16765,290	43,785	9,506	511,224	9,898	13,864	4,807	2017-09-18 14:32
298,167	55,217	0,778	0,790	16281,207	16804,269	41,106	9,404	511,224	9,842	13,963	4,824	2017-09-18 14:32
298,333	55,232	0,777	0,790	16279,225	16787,259	42,430	9,520	511,224	10,140	13,939	4,820	2017-09-18 14:32
298,500	55,244	0,777	0,791	16275,064	16878,500	32,454	9,992	511,224	9,780	13,993	4,829	2017-09-18 14:32
298,667	55,253	0,778	0,790	16243,250	16859,480	29,320	10,359	511,224	9,685	13,979	4,827	2017-09-18 14:32
298,840	55,265	0,777	0,790	16256,461	16816,407	30,780	10,319	511,224	9,667	14,032	4,836	2017-09-18 14:32
299,000	55,271	0,776	0,789	16233,890	16627,807	35,168	9,751	511,224	10,397	14,152	4,857	2017-09-18 14:33
299,167	55,277	0,778	0,790	16272,759	16779,179	39,754	9,071	511,130	10,078	13,971	4,826	2017-09-18 14:33
299,334	55,277	0,777	0,789	16231,443	16666,918	59,864	8,641	511,224	10,285	14,023	4,834	2017-09-18 14:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
299,500	0,212	0,527	0,527	0,250	0,349	92,874	20,132	5,127	22,211	22,194	21,148	20,956	21,684	20,431	78,544	59,939	73,212
299,667	0,213	0,515	0,526	0,246	0,351	92,767	20,137	9,746	22,204	22,206	21,158	20,974	21,698	20,436	78,703	59,939	73,181
299,834	0,213	0,522	0,526	0,252	0,346	92,776	20,120	13,104	22,202	22,207	21,153	20,964	21,684	20,435	78,601	59,931	73,136
300,000	0,211	0,543	0,526	0,257	0,348	92,721	20,124	8,320	22,213	22,202	21,150	20,956	21,693	20,435	78,475	59,922	73,133
300,167	0,210	0,547	0,526	0,247	0,348	92,671	20,114	6,456	22,207	22,198	21,148	20,960	21,671	20,434	78,362	59,913	73,113
300,334	0,207	0,550	0,526	0,249	0,352	92,732	20,119	8,574	22,224	22,202	21,160	20,964	21,700	20,440	78,444	59,916	73,062
300,500	0,208	0,564	0,526	0,258	0,350	92,785	20,124	11,169	22,215	22,219	21,157	20,965	21,700	20,438	78,416	59,909	73,006
300,667	0,206	0,582	0,526	0,249	0,354	92,851	20,131	17,601	22,229	22,217	21,140	20,969	21,696	20,435	78,489	59,897	72,998
300,834	0,205	0,607	0,526	0,249	0,349	92,804	20,131	9,344	22,217	22,223	21,162	20,970	21,689	20,441	78,455	59,890	72,985
301,000	0,205	0,607	0,526	0,255	0,357	92,866	20,132	13,977	22,224	22,203	21,165	20,977	21,715	20,445	78,455	59,898	72,986
301,167	0,207	0,578	0,526	0,250	0,351	92,874	20,116	11,013	22,204	22,216	21,158	20,958	21,693	20,436	78,518	59,897	72,981
301,334	0,208	0,564	0,526	0,247	0,350	92,931	20,073	8,906	22,253	22,220	21,157	20,970	21,710	20,447	78,486	59,900	72,998
301,500	0,207	0,578	0,526	0,250	0,349	92,935	20,125	11,060	22,222	22,213	21,153	20,958	21,677	20,432	78,514	59,898	73,005
301,667	0,205	0,586	0,526	0,257	0,351	92,911	20,111	11,239	22,219	22,202	21,152	20,964	21,701	20,444	78,501	59,901	73,027
301,833	0,205	0,583	0,526	0,257	0,349	92,897	20,102	8,138	22,213	22,200	21,167	20,956	21,689	20,441	78,410	59,909	73,032
302,000	0,208	0,579	0,526	0,246	0,351	92,931	20,115	9,874	22,224	22,204	21,157	20,973	21,693	20,444	78,634	59,913	73,016
302,167	0,206	0,576	0,526	0,247	0,348	92,883	20,119	13,747	22,226	22,206	21,153	20,977	21,697	20,436	78,514	59,917	73,013
302,333	0,206	0,567	0,526	0,249	0,345	92,963	20,141	21,748	22,228	22,193	21,161	20,958	21,688	20,439	78,361	59,912	73,064
302,500	0,208	0,564	0,526	0,254	0,349	92,942	20,150	10,078	22,241	22,199	21,156	20,965	21,702	20,438	78,504	59,917	73,063
302,667	0,209	0,553	0,526	0,250	0,346	92,925	20,149	19,680	22,246	22,247	21,165	20,977	21,695	20,444	78,417	59,925	73,051
302,833	0,208	0,566	0,526	0,251	0,349	92,898	20,179	25,638	22,233	22,225	21,158	20,955	21,696	20,439	78,382	59,927	73,054
303,000	0,206	0,590	0,525	0,255	0,350	92,969	20,200	19,674	22,246	22,223	21,162	20,972	21,683	20,443	78,602	59,933	73,016
303,167	0,203	0,612	0,526	0,247	0,353	93,020	20,211	23,291	22,270	22,238	21,157	20,982	21,708	20,449	78,568	59,933	73,008
303,333	0,204	0,621	0,525	0,252	0,350	93,095	20,198	19,511	22,272	22,241	21,164	20,981	21,710	20,457	78,595	59,927	73,041
303,500	0,203	0,622	0,525	0,255	0,354	93,036	20,199	8,248	22,261	22,227	21,168	20,974	21,717	20,453	78,582	59,931	73,093
303,667	0,204	0,592	0,525	0,255	0,348	93,023	20,171	7,480	22,246	22,238	21,156	20,977	21,705	20,445	78,738	59,943	73,122
303,833	0,204	0,573	0,525	0,250	0,345	93,008	20,197	10,772	22,256	22,228	21,163	20,960	21,679	20,440	78,703	59,957	73,139
304,000	0,205	0,573	0,525	0,251	0,353	93,003	20,208	10,768	22,262	22,246	21,158	20,968	21,708	20,445	78,675	59,960	73,166
304,167	0,205	0,597	0,525	0,252	0,355	93,025	20,216	11,758	22,263	22,241	21,153	20,966	21,689	20,443	78,699	59,968	73,174
304,333	0,208	0,590	0,525	0,245	0,355	93,092	20,210	15,476	22,253	22,249	21,153	20,979	21,708	20,444	78,740	59,970	73,167
304,500	0,206	0,593	0,525	0,249	0,351	93,011	20,237	23,282	22,242	22,237	21,165	20,975	21,694	20,441	78,665	59,970	73,171
304,667	0,207	0,585	0,525	0,250	0,348	93,015	20,250	25,340	22,246	22,236	21,178	20,974	21,713	20,448	78,730	59,970	73,201
304,833	0,205	0,578	0,525	0,252	0,349	93,009	20,230	21,331	22,245	22,233	21,166	20,972	21,706	20,445	78,733	59,972	73,203
305,000	0,204	0,580	0,525	0,252	0,346	93,042	20,234	13,006	22,266	22,238	21,165	20,982	21,712	20,449	78,768	59,967	73,195
305,167	0,207	0,592	0,525	0,248	0,349	93,053	20,235	9,775	22,251	22,235	21,169	20,981	21,697	20,451	78,761	59,960	73,193
305,333	0,204	0,620	0,525	0,242	0,351	93,037	20,310	18,880	22,198	22,098	21,161	20,986	21,714	20,448	78,822	59,948	73,206

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
299,500	55,275	0,778	0,789	16227,267	16547,229	82,594	8,178	511,223	10,010	13,977	4,827	2017-09-18 14:33
299,667	55,271	0,776	0,789	16198,628	16663,421	89,276	7,887	511,130	9,854	14,047	4,839	2017-09-18 14:33
299,834	55,269	0,776	0,789	16151,779	16578,135	90,419	8,061	511,130	10,085	13,832	4,801	2017-09-18 14:33
300,000	55,272	0,776	0,789	16140,792	16475,448	78,560	8,586	511,130	10,297	13,929	4,818	2017-09-18 14:34
300,167	55,276	0,777	0,789	16133,899	16393,200	68,672	8,673	511,130	9,892	13,929	4,818	2017-09-18 14:34
300,334	55,284	0,778	0,790	16091,614	16478,476	49,490	8,744	511,130	9,958	14,070	4,843	2017-09-18 14:34
300,500	55,285	0,778	0,790	16036,717	16459,605	57,387	9,105	511,130	10,311	14,011	4,832	2017-09-18 14:34
300,667	55,291	0,777	0,790	16020,344	16515,269	45,195	9,547	511,130	9,958	14,164	4,859	2017-09-18 14:34
300,834	55,297	0,777	0,790	16004,875	16506,101	40,425	10,187	511,130	9,955	13,943	4,821	2017-09-18 14:34
301,000	55,305	0,777	0,790	15998,449	16487,996	37,065	10,183	511,130	10,181	14,272	4,877	2017-09-18 14:35
301,167	55,309	0,776	0,789	15973,350	16539,029	52,144	9,452	511,130	9,994	14,053	4,840	2017-09-18 14:35
301,334	55,311	0,776	0,790	16006,167	16496,275	58,235	9,105	511,131	9,876	13,997	4,830	2017-09-18 14:35
301,500	55,311	0,776	0,788	15986,474	16522,339	53,899	9,458	511,036	10,005	13,978	4,827	2017-09-18 14:35
301,667	55,309	0,777	0,789	16021,589	16521,466	40,123	9,640	511,037	10,287	14,041	4,838	2017-09-18 14:35
301,833	55,308	0,777	0,790	16042,700	16447,912	41,450	9,585	511,036	10,298	13,965	4,824	2017-09-18 14:35
302,000	55,315	0,777	0,789	15995,113	16637,030	57,811	9,473	511,037	9,837	14,035	4,837	2017-09-18 14:36
302,167	55,315	0,777	0,789	15994,268	16526,925	47,332	9,412	511,036	9,871	13,939	4,820	2017-09-18 14:36
302,333	55,316	0,776	0,790	16063,464	16381,463	48,579	9,180	511,036	9,945	13,820	4,799	2017-09-18 14:36
302,500	55,324	0,777	0,790	16056,168	16523,558	56,154	9,111	511,037	10,175	13,971	4,825	2017-09-18 14:36
302,667	55,331	0,777	0,789	16027,889	16435,866	63,690	8,815	511,036	9,982	13,830	4,801	2017-09-18 14:36
302,833	55,338	0,777	0,790	16029,009	16392,620	58,037	9,144	511,036	10,039	13,952	4,822	2017-09-18 14:36
303,000	55,338	0,777	0,789	15986,161	16586,521	42,683	9,743	510,942	10,213	14,008	4,832	2017-09-18 14:37
303,167	55,343	0,776	0,789	15962,197	16544,284	29,369	10,299	511,036	9,886	14,116	4,850	2017-09-18 14:37
303,333	55,342	0,776	0,788	15985,019	16569,003	34,379	10,535	510,942	10,082	14,007	4,832	2017-09-18 14:37
303,500	55,340	0,776	0,789	16043,197	16555,082	27,003	10,556	510,943	10,218	14,156	4,857	2017-09-18 14:37
303,667	55,334	0,777	0,788	16063,039	16708,301	30,335	9,808	510,942	10,187	13,935	4,819	2017-09-18 14:37
303,833	55,328	0,777	0,789	16097,944	16655,868	35,390	9,318	510,942	10,005	13,815	4,798	2017-09-18 14:37
304,000	55,328	0,777	0,788	16111,153	16629,902	41,154	9,319	510,942	10,054	14,112	4,850	2017-09-18 14:38
304,167	55,330	0,776	0,789	16124,664	16629,345	36,235	9,915	510,943	10,084	14,196	4,864	2017-09-18 14:38
304,333	55,330	0,776	0,789	16126,585	16665,793	58,687	9,744	510,942	9,818	14,188	4,863	2017-09-18 14:38
304,500	55,312	0,777	0,789	16144,496	16612,715	45,053	9,833	510,942	9,957	14,030	4,836	2017-09-18 14:38
304,667	55,292	0,778	0,789	16181,970	16684,973	49,441	9,622	510,849	10,006	13,927	4,818	2017-09-18 14:38
304,833	55,277	0,777	0,788	16178,764	16674,674	38,552	9,446	510,849	10,060	13,942	4,820	2017-09-18 14:38
305,000	55,271	0,777	0,788	16186,242	16711,707	34,768	9,506	510,849	10,072	13,853	4,805	2017-09-18 14:39
305,167	55,268	0,777	0,789	16199,472	16714,740	51,963	9,792	510,849	9,913	13,961	4,824	2017-09-18 14:39
305,333	55,261	0,777	0,789	16222,639	16767,279	31,454	10,512	510,942	9,664	14,059	4,841	2017-09-18 14:39

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
305,500	0,204	0,608	0,525	0,248	0,347	93,130	20,312	21,340	22,023	22,006	21,175	20,967	21,718	20,451	78,870	59,945	73,237
305,667	0,206	0,584	0,525	0,272	0,345	94,019	20,096	20,004	22,006	21,998	21,169	20,951	21,693	20,449	78,938	59,945	73,276
305,834	0,207	0,541	0,525	0,260	0,350	95,200	20,178	19,518	22,012	21,995	21,181	20,948	21,706	20,452	78,875	59,948	73,279
306,000	0,224	0,470	0,525	0,263	0,349	96,051	20,267	13,704	22,008	22,000	21,187	20,950	21,706	20,451	78,880	59,944	73,306
306,167	0,269	0,390	0,525	0,270	0,348	96,670	20,267	12,821	22,023	22,000	21,174	20,952	21,718	20,456	78,785	59,948	73,321
306,334	0,332	0,318	0,525	0,276	0,352	97,154	20,208	15,553	22,014	22,000	21,174	20,938	21,718	20,456	78,736	59,943	73,347
306,500	0,408	0,280	0,525	0,268	0,347	97,493	20,218	23,052	22,000	21,989	21,162	20,957	21,709	20,451	78,497	59,941	73,289
306,667	0,479	0,265	0,525	0,276	0,345	97,802	20,181	23,722	22,005	21,992	21,178	20,955	21,716	20,452	78,257	59,932	73,194
306,834	0,523	0,258	0,525	0,271	0,353	98,022	20,203	21,316	22,004	21,982	21,169	20,956	21,713	20,456	78,142	59,897	73,102
307,000	0,539	0,254	0,525	0,271	0,345	98,140	20,199	16,396	21,992	21,980	21,177	20,960	21,712	20,455	78,014	59,863	73,004
307,167	0,557	0,251	0,525	0,273	0,346	98,172	20,213	20,399	22,001	21,963	21,181	20,951	21,716	20,457	77,803	59,819	72,904
307,334	0,566	0,248	0,525	0,267	0,343	98,230	20,235	18,871	21,984	21,953	21,164	20,959	21,714	20,452	77,495	59,760	72,824
307,500	0,205	0,204	0,525	0,268	0,348	98,295	20,242	17,215	22,008	21,961	21,179	20,967	21,726	20,460	77,283	59,717	72,674
307,667	0,199	0,202	0,525	0,265	0,346	98,208	20,199	14,053	21,989	21,971	21,182	20,951	21,710	20,456	77,046	59,662	72,514
307,834	0,199	0,202	0,525	0,266	0,344	98,206	20,199	14,435	21,978	21,953	21,172	20,958	21,703	20,460	76,636	59,638	72,342
308,000	0,199	0,202	0,525	0,265	0,351	98,097	20,181	20,523	21,978	21,956	21,183	20,959	21,714	20,464	76,323	59,601	72,161
308,167	0,199	0,202	0,525	0,275	0,347	97,967	20,205	14,051	21,969	21,943	21,165	20,969	21,695	20,456	76,157	59,514	71,947
308,334	0,199	0,202	0,526	0,267	0,341	97,777	20,207	17,832	21,979	21,952	21,170	20,978	21,710	20,461	75,956	59,492	71,746
308,500	0,199	0,202	0,525	0,270	0,347	97,552	20,210	23,602	21,962	21,958	21,180	20,979	21,715	20,468	75,618	59,401	71,519
308,667	0,199	0,202	0,525	0,268	0,343	97,386	20,262	22,452	21,946	21,935	21,178	20,958	21,708	20,456	75,243	59,377	71,296
308,833	0,199	0,202	0,525	0,257	0,350	97,153	20,228	24,695	21,931	21,926	21,173	20,978	21,722	20,459	75,211	59,307	71,092
309,000	0,199	0,202	0,503	0,261	0,347	96,916	20,313	18,739	21,936	21,923	21,165	20,973	21,721	20,460	74,893	59,220	70,878
309,167	0,199	0,202	0,484	0,265	0,351	96,676	20,293	19,628	21,954	21,922	21,166	20,984	21,721	20,463	74,535	59,181	70,677
309,333	0,199	0,202	0,487	0,266	0,348	96,422	20,120	26,083	21,948	21,934	21,186	20,992	21,725	20,473	74,338	59,093	70,462
309,500	0,199	0,202	0,487	0,259	0,344	96,156	20,117	24,777	21,936	21,915	21,184	20,980	21,735	20,472	74,060	59,080	70,226
309,667	0,199	0,202	0,492	0,263	0,350	95,868	20,152	21,223	21,931	21,910	21,183	20,985	21,714	20,464	73,803	59,029	70,012
309,833	0,199	0,202	0,485	0,268	0,345	95,574	20,169	18,456	21,913	21,897	21,172	20,977	21,714	20,465	73,395	58,939	69,801
310,000	0,199	0,202	0,485	0,260	0,347	95,214	20,126	15,512	21,897	21,904	21,170	20,973	21,712	20,464	73,105	58,928	69,583
310,167	0,199	0,202	0,484	0,259	0,343	94,883	20,180	11,779	21,896	21,892	21,186	20,983	21,721	20,471	72,822	58,833	69,380
310,333	0,199	0,202	0,485	0,258	0,342	94,566	20,206	14,882	21,919	21,901	21,188	20,987	21,717	20,471	72,640	58,799	69,169
310,500	0,199	0,202	0,485	0,262	0,349	94,176	20,240	17,735	21,906	21,895	21,209	20,996	21,723	20,480	72,505	58,783	68,933
310,667	0,199	0,202	0,471	0,249	0,347	93,831	20,223	15,616	21,901	21,909	21,197	20,992	21,725	20,480	72,157	58,693	68,716
310,833	0,199	0,202	0,472	0,252	0,348	93,510	20,221	163,955	21,892	21,882	21,195	20,975	21,726	20,472	71,694	58,572	68,530
311,000	0,199	0,202	0,473	0,257	0,342	93,158	20,222	223,343	21,875	21,876	21,188	20,987	21,720	20,476	71,676	58,556	68,329
311,167	0,199	0,202	0,473	0,255	0,347	92,751	20,222	124,944	21,887	21,894	21,186	21,002	21,738	20,484	71,289	58,487	68,102
311,333	0,199	0,202	0,473	0,259	0,348	92,395	20,154	37,769	21,873	21,875	21,198	21,010	21,727	20,485	71,017	58,424	67,862

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
305,500	55,252	0,777	0,789	16259,318	16830,319	30,179	10,192	510,849	9,918	13,874	4,809	2017-09-18 14:39
305,667	55,251	0,777	0,789	16289,790	16881,110	44,625	9,590	510,848	10,878	13,785	4,793	2017-09-18 14:39
305,834	55,252	0,775	0,788	16275,120	16785,923	51,835	8,528	510,849	10,405	14,018	4,834	2017-09-18 14:39
306,000	55,253	0,775	0,788	16299,928	16797,350	157,177	6,759	510,849	10,517	13,962	4,824	2017-09-18 14:40
306,167	55,248	0,775	0,788	16323,117	16708,153	439,605	4,751	510,849	10,806	13,936	4,819	2017-09-18 14:40
306,334	55,247	0,776	0,788	16342,647	16686,272	829,544	2,947	510,849	11,027	14,061	4,841	2017-09-18 14:40
306,500	55,237	0,777	0,789	16311,379	16494,534	1305,447	1,991	510,849	10,721	13,873	4,808	2017-09-18 14:40
306,667	55,230	0,777	0,790	16253,956	16276,213	1746,391	1,627	510,849	11,041	13,782	4,793	2017-09-18 14:40
306,834	55,228	0,776	0,789	16154,212	16200,730	2022,124	1,439	510,849	10,821	14,108	4,849	2017-09-18 14:40
307,000	55,224	0,777	0,789	16067,079	16131,978	2123,610	1,361	510,849	10,831	13,807	4,797	2017-09-18 14:41
307,167	55,220	0,777	0,788	15973,024	15983,488	2235,651	1,277	510,942	10,905	13,824	4,800	2017-09-18 14:41
307,334	55,205	0,776	0,789	15926,764	15751,263	2290,321	1,203	510,849	10,671	13,728	4,783	2017-09-18 14:41
307,500	55,200	0,777	0,789	15797,273	15602,719	39,775	0,109	510,849	10,707	13,931	4,819	2017-09-18 14:41
307,667	55,198	0,777	0,789	15645,929	15441,295	3,575	0,057	510,849	10,606	13,844	4,803	2017-09-18 14:41
307,834	55,198	0,776	0,788	15483,090	15089,628	1,438	0,052	510,943	10,651	13,770	4,791	2017-09-18 14:41
308,000	55,194	0,777	0,788	15328,067	14859,501	0,590	0,049	510,943	10,595	14,055	4,840	2017-09-18 14:42
308,167	55,192	0,777	0,789	15147,581	14797,560	0,173	0,048	510,942	11,001	13,890	4,811	2017-09-18 14:42
308,334	55,194	0,776	0,789	14963,979	14622,569	-0,258	0,047	511,036	10,669	13,626	4,766	2017-09-18 14:42
308,500	55,192	0,777	0,789	14765,052	14404,965	-0,494	0,046	510,942	10,805	13,893	4,812	2017-09-18 14:42
308,667	55,186	0,776	0,788	14549,473	14090,859	-0,702	0,045	510,943	10,740	13,732	4,784	2017-09-18 14:42
308,833	55,181	0,776	0,789	14376,971	14112,237	-0,699	0,044	510,943	10,293	13,988	4,828	2017-09-18 14:42
309,000	55,178	0,777	0,789	14191,306	13924,618	-0,675	0,044	506,816	10,434	13,875	4,809	2017-09-18 14:43
309,167	55,174	0,777	0,789	14008,289	13644,433	-0,907	0,043	503,260	10,595	14,021	4,834	2017-09-18 14:43
309,333	55,172	0,776	0,789	13821,389	13527,141	-0,900	0,042	503,727	10,630	13,926	4,818	2017-09-18 14:43
309,500	55,166	0,775	0,788	13603,684	13285,631	-0,897	0,043	503,821	10,361	13,773	4,791	2017-09-18 14:43
309,667	55,166	0,776	0,789	13412,934	13110,879	-0,883	0,042	504,757	10,517	13,993	4,829	2017-09-18 14:43
309,833	55,166	0,775	0,788	13220,792	12822,541	-0,890	0,041	503,446	10,735	13,815	4,798	2017-09-18 14:43
310,000	55,162	0,775	0,788	13012,072	12571,418	-0,873	0,041	503,352	10,384	13,862	4,807	2017-09-18 14:44
310,167	55,155	0,776	0,788	12849,771	12416,092	-1,112	0,040	503,259	10,345	13,720	4,782	2017-09-18 14:44
310,333	55,153	0,776	0,789	12676,153	12283,645	-1,102	0,040	503,352	10,316	13,662	4,772	2017-09-18 14:44
310,500	55,149	0,776	0,790	12473,872	12185,811	-1,102	0,040	503,352	10,484	13,979	4,827	2017-09-18 14:44
310,667	55,143	0,775	0,789	12267,679	11938,241	-1,112	0,039	500,819	9,980	13,860	4,806	2017-09-18 14:44
310,833	55,127	0,774	0,788	12092,482	11625,922	-1,102	0,038	500,961	10,093	13,925	4,818	2017-09-18 14:44
311,000	55,111	0,775	0,788	11927,554	11626,628	-1,099	0,039	501,241	10,278	13,700	4,778	2017-09-18 14:45
311,167	55,099	0,775	0,789	11751,021	11356,607	-1,102	0,038	501,241	10,196	13,865	4,807	2017-09-18 14:45
311,333	55,087	0,776	0,790	11555,728	11181,727	-1,137	0,038	501,241	10,345	13,918	4,816	2017-09-18 14:45

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
311,500	0,199	0,202	0,482	0,250	0,350	92,018	20,180	27,647	21,894	21,907	21,213	21,017	21,754	20,505	70,758	58,372	67,668
311,667	0,199	0,202	0,458	0,250	0,350	91,614	20,172	24,974	21,845	21,848	21,178	20,989	21,712	20,465	70,675	58,297	67,471
311,833	0,199	0,202	0,452	0,244	0,352	91,278	20,200	21,814	21,854	21,854	21,193	21,002	21,728	20,484	70,300	58,255	67,258
312,000	0,199	0,202	0,453	0,252	0,349	90,878	20,142	25,899	21,833	21,852	21,185	20,994	21,712	20,476	70,041	58,164	67,047
312,167	0,199	0,202	0,448	0,244	0,350	90,470	20,178	19,583	21,831	21,845	21,186	20,994	21,719	20,476	69,759	58,117	66,869
312,333	0,199	0,202	0,443	0,252	0,353	90,086	20,198	18,236	21,836	21,844	21,181	20,992	21,717	20,483	69,521	58,107	66,676
312,500	0,199	0,201	0,444	0,241	0,349	89,679	20,194	25,005	21,823	21,839	21,193	20,997	21,712	20,476	69,181	58,036	66,456
312,667	0,199	0,201	0,444	0,250	0,352	89,304	20,176	27,268	21,810	21,827	21,188	20,993	21,707	20,472	69,041	57,966	66,256
312,834	0,199	0,201	0,444	0,239	0,345	88,894	20,178	28,697	21,791	21,812	21,181	20,979	21,709	20,468	68,799	57,926	66,066
313,000	0,198	0,201	0,443	0,247	0,336	88,498	20,189	26,475	21,807	21,827	21,184	21,006	21,728	20,485	68,437	57,825	65,861
313,167	0,198	0,201	0,444	0,243	0,342	88,075	20,189	26,601	21,827	21,842	21,212	21,016	21,737	20,497	68,203	57,753	65,674
313,334	0,199	0,201	0,444	0,247	0,342	87,694	20,176	22,471	21,785	21,802	21,197	21,000	21,716	20,479	68,140	57,694	65,478
313,500	0,199	0,201	0,444	0,239	0,344	87,330	20,225	26,822	21,833	21,833	21,217	21,024	21,741	20,508	67,793	57,649	65,277
313,667	0,198	0,201	0,445	0,238	0,347	86,880	20,231	27,760	21,800	21,819	21,205	21,021	21,739	20,493	67,761	57,579	65,081
313,834	0,198	0,201	0,445	0,236	0,343	86,479	20,226	25,008	21,795	21,810	21,209	21,021	21,735	20,499	67,348	57,506	64,888
314,000	0,198	0,201	0,445	0,239	0,344	86,095	20,231	20,274	21,811	21,822	21,201	21,032	21,744	20,508	67,096	57,449	64,741
314,167	0,198	0,201	0,445	0,238	0,345	85,651	20,180	20,099	21,772	21,792	21,192	20,991	21,706	20,480	66,945	57,381	64,581
314,334	0,199	0,201	0,445	0,235	0,345	85,244	20,185	25,538	21,768	21,788	21,193	21,005	21,714	20,483	66,707	57,339	64,405
314,500	0,198	0,201	0,445	0,227	0,342	84,846	20,198	24,086	21,762	21,783	21,192	20,996	21,712	20,483	66,498	57,288	64,222
314,667	0,198	0,201	0,445	0,234	0,344	84,469	20,201	21,320	21,763	21,788	21,188	20,989	21,710	20,484	66,333	57,242	64,033
314,834	0,198	0,201	0,445	0,227	0,350	84,062	20,185	20,401	21,770	21,788	21,179	21,016	21,723	20,484	66,010	57,186	63,842
315,000	0,198	0,201	0,445	0,231	0,349	83,640	20,167	21,548	21,751	21,774	21,175	21,017	21,716	20,483	65,761	57,097	63,670
315,167	0,198	0,201	0,445	0,230	0,349	83,246	20,178	26,250	21,743	21,758	21,169	20,996	21,693	20,476	65,700	57,030	63,486
315,333	0,198	0,201	0,472	0,239	0,344	82,849	20,125	24,056	21,746	21,751	21,184	20,996	21,716	20,479	65,395	56,970	63,307
315,500	0,199	0,201	0,473	0,224	0,348	82,444	20,141	28,705	21,736	21,752	21,169	21,002	21,700	20,475	65,295	56,925	63,166
315,667	0,198	0,201	0,471	0,225	0,349	82,049	20,139	26,228	21,724	21,746	21,175	20,987	21,694	20,473	64,989	56,874	62,998
315,833	0,198	0,201	0,474	0,215	0,348	81,680	20,155	18,878	21,729	21,747	21,179	21,009	21,704	20,485	65,016	56,837	62,852
316,000	0,198	0,201	0,474	0,220	0,347	81,273	20,160	20,761	21,719	21,726	21,178	20,981	21,698	20,476	64,648	56,745	62,685
316,167	0,198	0,201	0,474	0,222	0,349	80,898	20,147	21,292	21,715	21,738	21,175	21,006	21,706	20,483	64,471	56,713	62,562
316,333	0,198	0,201	0,473	0,217	0,349	80,501	20,155	24,354	21,715	21,732	21,168	21,000	21,710	20,477	64,303	56,676	62,412
316,500	0,198	0,201	0,474	0,217	0,348	80,126	20,156	28,487	21,710	21,725	21,185	21,013	21,706	20,479	64,159	56,642	62,255
316,667	0,198	0,201	0,445	0,212	0,347	79,740	20,168	27,063	21,704	21,720	21,175	20,993	21,689	20,476	63,934	56,588	62,103
316,833	0,198	0,201	0,445	0,220	0,348	79,356	20,131	23,388	21,702	21,726	21,181	21,009	21,700	20,477	63,875	56,523	61,951
317,000	0,198	0,201	0,445	0,213	0,347	78,983	20,145	18,884	21,704	21,715	21,177	21,009	21,695	20,484	63,609	56,485	61,804
317,167	0,198	0,201	0,448	0,209	0,346	78,621	20,133	24,488	21,694	21,720	21,177	21,009	21,702	20,481	63,399	56,447	61,675
317,333	0,198	0,201	0,447	0,211	0,344	78,233	20,139	22,733	21,702	21,708	21,190	21,005	21,700	20,481	63,255	56,407	61,536

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
311,500	55,067	0,776	0,790	11397,370	11001,192	-1,109	0,038	502,929	9,982	14,009	4,832	2017-09-18 14:45
311,667	55,058	0,776	0,789	11220,832	10989,058	-1,109	0,038	498,340	10,008	13,983	4,827	2017-09-18 14:45
311,833	55,072	0,774	0,789	11012,829	10671,003	-1,119	0,038	497,262	9,764	14,062	4,841	2017-09-18 14:45
312,000	55,071	0,775	0,789	10818,562	10529,128	-1,144	0,038	497,361	10,081	13,961	4,824	2017-09-18 14:46
312,167	55,060	0,775	0,789	10674,817	10322,296	-1,126	0,038	496,462	9,766	13,996	4,830	2017-09-18 14:46
312,333	55,043	0,776	0,790	10521,346	10128,364	-1,092	0,038	495,618	10,087	14,107	4,849	2017-09-18 14:46
312,500	55,018	0,776	0,789	10338,441	9891,720	-1,092	0,037	495,757	9,646	13,948	4,821	2017-09-18 14:46
312,667	54,999	0,774	0,789	10169,054	9813,215	-1,119	0,037	495,751	9,986	14,066	4,842	2017-09-18 14:46
312,834	54,967	0,774	0,789	10029,467	9629,731	-1,116	0,037	495,758	9,549	13,797	4,795	2017-09-18 14:46
313,000	54,944	0,775	0,789	9861,811	9411,126	-1,328	0,037	495,618	9,861	13,433	4,732	2017-09-18 14:47
313,167	54,913	0,775	0,790	9741,618	9268,754	-1,307	0,036	495,758	9,729	13,661	4,772	2017-09-18 14:47
313,334	54,882	0,775	0,789	9580,280	9259,138	-1,126	0,037	495,758	9,868	13,699	4,778	2017-09-18 14:47
313,500	54,884	0,774	0,789	9396,727	8984,474	-1,112	0,037	495,758	9,551	13,765	4,790	2017-09-18 14:47
313,667	54,896	0,774	0,789	9208,797	9019,642	-1,328	0,037	495,851	9,528	13,862	4,807	2017-09-18 14:47
313,834	54,890	0,774	0,788	9026,980	8721,599	-1,324	0,037	495,852	9,456	13,735	4,785	2017-09-18 14:47
314,000	54,876	0,773	0,790	8922,825	8534,436	-1,321	0,036	495,852	9,564	13,754	4,788	2017-09-18 14:48
314,167	54,848	0,774	0,790	8803,177	8475,222	-1,331	0,036	495,852	9,507	13,791	4,794	2017-09-18 14:48
314,334	54,822	0,774	0,789	8662,480	8294,414	-1,109	0,037	495,852	9,386	13,788	4,794	2017-09-18 14:48
314,500	54,789	0,774	0,789	8528,082	8157,036	-1,321	0,036	495,852	9,089	13,695	4,778	2017-09-18 14:48
314,667	54,751	0,775	0,789	8393,431	8058,510	-1,338	0,036	495,852	9,342	13,741	4,786	2017-09-18 14:48
314,834	54,742	0,774	0,789	8227,806	7814,892	-1,321	0,036	495,852	9,086	13,994	4,829	2017-09-18 14:48
315,000	54,742	0,774	0,790	8074,311	7678,491	-1,314	0,036	495,946	9,249	13,972	4,826	2017-09-18 14:49
315,167	54,722	0,775	0,790	7933,796	7685,160	-1,328	0,036	495,945	9,184	13,950	4,822	2017-09-18 14:49
315,333	54,702	0,774	0,790	7788,203	7462,846	-1,324	0,036	500,961	9,546	13,750	4,787	2017-09-18 14:49
315,500	54,687	0,773	0,789	7664,296	7406,735	-1,119	0,036	501,148	8,969	13,923	4,817	2017-09-18 14:49
315,667	54,669	0,774	0,790	7532,698	7186,241	-1,324	0,035	500,820	9,001	13,953	4,822	2017-09-18 14:49
315,833	54,657	0,774	0,790	7412,244	7248,877	-1,317	0,035	501,429	8,581	13,926	4,818	2017-09-18 14:49
316,000	54,663	0,774	0,789	7255,047	6997,612	-1,304	0,035	501,336	8,808	13,892	4,812	2017-09-18 14:50
316,167	54,651	0,773	0,789	7152,975	6863,595	-1,314	0,035	501,336	8,881	13,941	4,820	2017-09-18 14:50
316,333	54,620	0,773	0,790	7047,851	6750,725	-1,331	0,035	501,241	8,689	13,961	4,824	2017-09-18 14:50
316,500	54,586	0,773	0,789	6931,887	6652,576	-1,293	0,035	501,429	8,676	13,920	4,817	2017-09-18 14:50
316,667	54,580	0,773	0,790	6804,356	6502,063	-1,324	0,035	495,945	8,471	13,900	4,813	2017-09-18 14:50
316,833	54,590	0,773	0,790	6656,416	6504,292	-1,304	0,035	495,945	8,793	13,923	4,817	2017-09-18 14:50
317,000	54,577	0,774	0,790	6540,008	6310,617	-1,304	0,035	495,945	8,532	13,889	4,811	2017-09-18 14:51
317,167	54,552	0,774	0,790	6448,854	6159,724	-1,331	0,034	496,462	8,352	13,822	4,800	2017-09-18 14:51
317,333	54,524	0,773	0,790	6346,219	6061,074	-1,335	0,035	496,226	8,442	13,764	4,790	2017-09-18 14:51

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
317,500	0,198	0,201	0,447	0,205	0,347	77,874	20,117	4,750	21,685	21,706	21,181	21,005	21,687	20,481	63,026	56,355	61,385
317,667	0,198	0,201	0,447	0,213	0,351	77,489	20,159	19,004	21,685	21,703	21,192	21,016	21,703	20,484	62,926	56,305	61,259
317,833	0,198	0,201	0,447	0,201	0,346	77,121	20,158	25,492	21,681	21,697	21,180	21,000	21,698	20,480	62,779	56,215	61,127
318,000	0,198	0,201	0,447	0,211	0,344	76,769	20,098	28,571	21,678	21,682	21,180	20,998	21,707	20,481	62,619	56,200	60,997
318,167	0,198	0,201	0,460	0,203	0,350	76,418	20,137	39,424	21,672	21,685	21,190	21,010	21,693	20,483	62,518	56,169	60,890
318,333	0,198	0,201	0,460	0,199	0,342	76,053	20,150	12,402	21,656	21,693	21,160	21,018	21,697	20,483	62,237	56,160	60,763
318,500	0,198	0,201	0,460	0,207	0,347	75,698	20,162	19,354	21,650	21,676	21,171	20,998	21,694	20,480	62,171	56,080	60,638
318,667	0,199	0,201	0,460	0,209	0,351	75,362	20,108	18,024	21,656	21,665	21,181	21,018	21,690	20,484	62,085	56,063	60,492
318,833	0,199	0,201	0,460	0,202	0,346	75,023	20,124	24,674	21,658	21,669	21,180	21,001	21,697	20,487	61,844	55,990	60,379
319,000	0,198	0,201	0,460	0,193	0,348	74,663	20,094	20,042	21,651	21,664	21,183	21,010	21,699	20,487	61,697	55,979	60,280
319,167	0,198	0,201	0,460	0,197	0,348	74,317	20,111	19,260	21,644	21,657	21,177	21,012	21,689	20,483	61,533	55,953	60,149
319,334	0,199	0,201	0,460	0,201	0,349	73,964	20,137	26,207	21,645	21,662	21,181	21,047	21,699	20,492	61,385	55,867	60,004
319,500	0,199	0,201	0,460	0,203	0,354	73,650	20,146	27,976	21,645	21,664	21,185	21,004	21,701	20,488	61,319	55,831	59,896
319,667	0,199	0,201	0,460	0,189	0,351	73,326	20,159	28,850	21,641	21,662	21,192	21,022	21,698	20,495	61,139	55,833	59,806
319,834	0,198	0,201	0,460	0,206	0,342	73,002	20,166	29,644	21,630	21,651	21,212	21,033	21,722	20,503	61,064	55,808	59,712
320,000	0,198	0,201	0,461	0,198	0,346	72,662	20,166	28,197	21,621	21,660	21,201	21,008	21,690	20,491	60,926	55,759	59,609
320,167	0,198	0,201	0,461	0,194	0,345	72,324	20,172	27,919	21,633	21,645	21,183	21,018	21,706	20,492	60,731	55,765	59,495
320,334	0,198	0,201	0,461	0,196	0,350	72,014	20,164	20,619	21,607	21,650	21,176	21,013	21,690	20,487	60,638	55,729	59,391
320,500	0,198	0,201	0,461	0,206	0,347	71,707	20,168	22,673	21,637	21,645	21,196	21,024	21,703	20,499	60,462	55,704	59,285
320,667	0,198	0,201	0,461	0,202	0,346	71,435	20,193	25,588	21,617	21,642	21,192	21,022	21,703	20,499	60,433	55,678	59,188
320,834	0,198	0,201	0,461	0,203	0,343	71,213	20,200	17,462	21,612	21,639	21,188	21,008	21,701	20,497	60,278	55,659	59,086
321,000	0,198	0,201	0,461	0,203	0,346	70,965	20,191	16,785	21,600	21,622	21,175	21,020	21,689	20,492	60,214	55,612	58,987
321,167	0,199	0,201	0,461	0,202	0,353	70,760	20,187	22,659	21,591	21,626	21,183	21,012	21,684	20,492	60,105	55,583	58,903
321,334	0,198	0,201	0,461	0,200	0,348	70,506	20,170	22,503	21,591	21,629	21,189	21,017	21,689	20,491	59,923	55,561	58,819
321,500	0,199	0,201	0,461	0,200	0,345	70,272	20,187	25,272	21,588	21,609	21,191	21,012	21,695	20,491	59,903	55,529	58,727
321,667	0,198	0,201	0,461	0,200	0,349	70,040	20,158	23,258	21,595	21,613	21,197	21,020	21,710	20,495	59,745	55,535	58,635
321,834	0,198	0,201	0,461	0,197	0,357	69,828	20,159	17,248	21,570	21,613	21,166	21,009	21,697	20,489	59,615	55,520	58,554
322,000	0,198	0,201	0,461	0,199	0,353	69,621	20,170	15,557	21,558	21,596	21,191	21,003	21,688	20,492	59,422	55,505	58,475
322,167	0,198	0,201	0,461	0,196	0,353	69,394	20,187	15,586	21,579	21,611	21,188	21,022	21,690	20,496	59,345	55,500	58,384
322,333	0,198	0,201	0,461	0,196	0,354	69,162	20,201	15,698	21,576	21,598	21,195	21,020	21,700	20,499	59,196	55,480	58,280
322,500	0,198	0,201	0,461	0,156	0,352	68,951	20,212	15,670	21,577	21,614	21,207	21,034	21,717	20,512	59,171	55,463	58,186
322,667	0,198	0,201	0,460	0,178	0,345	68,629	20,202	18,626	21,569	21,583	21,192	21,011	21,690	20,496	59,022	55,439	58,099
322,833	0,199	0,201	0,461	0,179	0,347	68,391	20,184	21,808	21,555	21,572	21,174	21,013	21,698	20,496	58,941	55,406	58,015
323,000	0,199	0,201	0,461	0,187	0,347	68,124	20,178	16,932	21,561	21,576	21,184	21,018	21,692	20,496	58,815	55,382	57,929
323,167	0,198	0,201	0,461	0,182	0,350	67,860	20,184	25,621	21,553	21,572	21,188	21,024	21,684	20,496	58,725	55,372	57,849
323,333	0,198	0,201	0,461	0,178	0,350	67,614	20,185	25,130	21,553	21,564	21,175	21,009	21,681	20,495	58,661	55,380	57,768

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
317,500	54,513	0,774	0,790	6218,643	5909,077	-1,324	0,035	496,226	8,208	13,867	4,807	2017-09-18 14:51
317,667	54,532	0,774	0,790	6087,026	5865,614	-1,310	0,035	496,226	8,533	14,049	4,839	2017-09-18 14:51
317,833	54,540	0,772	0,789	5956,140	5804,038	-1,335	0,034	496,227	8,046	13,852	4,805	2017-09-18 14:51
318,000	54,529	0,772	0,790	5849,346	5670,729	-1,331	0,034	496,320	8,442	13,766	4,790	2017-09-18 14:52
318,167	54,499	0,773	0,790	5780,237	5614,276	-1,321	0,035	498,800	8,117	13,981	4,827	2017-09-18 14:52
318,333	54,485	0,773	0,790	5682,162	5380,231	-1,321	0,035	498,761	7,953	13,686	4,776	2017-09-18 14:52
318,500	54,489	0,774	0,790	5564,267	5395,039	-1,331	0,035	498,761	8,273	13,877	4,809	2017-09-18 14:52
318,667	54,490	0,774	0,791	5438,471	5335,680	-1,126	0,035	498,761	8,376	14,041	4,837	2017-09-18 14:52
318,833	54,477	0,773	0,790	5343,669	5179,919	-1,105	0,035	498,761	8,080	13,823	4,800	2017-09-18 14:52
319,000	54,450	0,774	0,789	5271,840	5064,127	-1,338	0,035	498,761	7,729	13,930	4,818	2017-09-18 14:53
319,167	54,435	0,772	0,789	5163,878	4931,628	-1,338	0,034	498,761	7,869	13,939	4,820	2017-09-18 14:53
319,334	54,458	0,772	0,790	5018,032	4874,032	-1,109	0,035	498,761	8,056	13,976	4,826	2017-09-18 14:53
319,500	54,471	0,772	0,790	4910,919	4852,243	-1,140	0,035	498,842	8,138	14,164	4,859	2017-09-18 14:53
319,667	54,473	0,772	0,790	4826,151	4692,466	-1,137	0,035	498,761	7,571	14,031	4,836	2017-09-18 14:53
319,834	54,462	0,773	0,790	4750,725	4651,049	-1,345	0,034	498,761	8,250	13,690	4,777	2017-09-18 14:53
320,000	54,457	0,773	0,790	4662,410	4570,481	-1,331	0,034	498,855	7,903	13,857	4,806	2017-09-18 14:54
320,167	54,462	0,773	0,791	4558,043	4392,415	-1,352	0,035	498,855	7,746	13,794	4,795	2017-09-18 14:54
320,334	54,465	0,773	0,791	4465,878	4341,916	-1,335	0,034	498,854	7,858	13,980	4,827	2017-09-18 14:54
320,500	54,458	0,773	0,791	4375,628	4209,410	-1,352	0,034	498,854	8,231	13,894	4,812	2017-09-18 14:54
320,667	54,449	0,772	0,791	4294,033	4202,829	-1,370	0,034	498,855	8,088	13,851	4,805	2017-09-18 14:54
320,834	54,461	0,772	0,792	4196,305	4082,970	-1,345	0,034	498,854	8,112	13,709	4,780	2017-09-18 14:54
321,000	54,475	0,772	0,791	4085,469	4065,224	-1,363	0,034	498,854	8,106	13,855	4,805	2017-09-18 14:55
321,167	54,485	0,772	0,791	4001,816	3996,159	-1,133	0,034	498,855	8,069	14,116	4,851	2017-09-18 14:55
321,334	54,490	0,772	0,791	3921,326	3854,361	-1,342	0,034	498,948	7,987	13,920	4,817	2017-09-18 14:55
321,500	54,495	0,771	0,792	3838,162	3863,475	-1,126	0,034	498,882	8,001	13,801	4,796	2017-09-18 14:55
321,667	54,526	0,772	0,793	3730,909	3721,264	-1,321	0,033	498,948	7,985	13,969	4,825	2017-09-18 14:55
321,834	54,545	0,772	0,792	3635,098	3618,330	-1,331	0,034	498,948	7,886	14,261	4,875	2017-09-18 14:55
322,000	54,546	0,772	0,792	3561,980	3459,781	-1,310	0,034	498,854	7,961	14,119	4,851	2017-09-18 14:56
322,167	54,548	0,772	0,792	3479,683	3398,129	-1,328	0,033	498,948	7,852	14,124	4,852	2017-09-18 14:56
322,333	54,541	0,772	0,792	3390,215	3283,439	-1,331	0,033	498,948	7,826	14,168	4,859	2017-09-18 14:56
322,500	54,532	0,773	0,791	3312,201	3279,443	-1,317	0,033	498,948	6,256	14,081	4,844	2017-09-18 14:56
322,667	54,546	0,772	0,793	3224,470	3166,973	-1,300	0,033	498,761	7,129	13,780	4,792	2017-09-18 14:56
322,833	54,573	0,772	0,792	3123,291	3125,755	-1,085	0,033	499,001	7,142	13,883	4,810	2017-09-18 14:56
323,000	54,589	0,772	0,793	3032,925	3034,727	-1,099	0,033	498,948	7,462	13,868	4,808	2017-09-18 14:57
323,167	54,601	0,773	0,794	2952,476	2967,325	-1,314	0,033	498,854	7,278	14,000	4,830	2017-09-18 14:57
323,333	54,604	0,773	0,794	2875,632	2902,012	-1,304	0,033	498,948	7,103	14,017	4,833	2017-09-18 14:57

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
323,500	0,198	0,201	0,461	0,181	0,350	67,343	20,185	19,290	21,550	21,560	21,188	21,025	21,689	20,500	58,619	55,361	57,709
323,667	0,198	0,201	0,461	0,172	0,346	67,107	20,204	25,391	21,553	21,573	21,179	21,009	21,685	20,496	58,541	55,349	57,650
323,833	0,199	0,201	0,461	0,176	0,353	66,866	20,209	26,198	21,542	21,565	21,193	21,017	21,702	20,503	58,426	55,340	57,590
324,000	0,199	0,201	0,461	0,177	0,352	66,633	20,170	22,021	21,539	21,576	21,192	21,042	21,696	20,511	58,391	55,327	57,529
324,167	0,199	0,201	0,461	0,175	0,345	66,392	20,197	18,803	21,535	21,548	21,179	21,022	21,688	20,505	58,333	55,329	57,484
324,333	0,199	0,201	0,461	0,166	0,352	66,146	20,174	26,823	21,533	21,543	21,189	21,016	21,685	20,501	58,162	55,318	57,426
324,500	0,199	0,201	0,461	0,192	0,349	65,915	20,200	23,535	21,514	21,539	21,195	21,028	21,698	20,504	58,136	55,308	57,360
324,667	0,199	0,201	0,461	0,187	0,351	65,735	20,218	20,209	21,525	21,547	21,207	21,023	21,704	20,511	58,029	55,293	57,288
324,833	0,199	0,201	0,461	0,185	0,350	65,559	20,228	15,281	21,524	21,555	21,196	21,046	21,704	20,515	57,928	55,276	57,236
325,000	0,199	0,201	0,461	0,185	0,354	65,377	20,218	15,671	21,507	21,537	21,196	21,041	21,696	20,505	57,903	55,262	57,188
325,167	0,199	0,201	0,461	0,185	0,357	65,181	20,213	20,982	21,492	21,512	21,197	21,016	21,681	20,499	57,855	55,265	57,110
325,333	0,199	0,201	0,461	0,185	0,355	65,004	20,210	18,416	21,514	21,531	21,188	21,028	21,697	20,505	57,796	55,251	57,059
325,500	0,199	0,201	0,461	0,184	0,346	64,871	20,200	21,196	21,487	21,517	21,187	21,009	21,703	20,500	57,637	55,218	57,008
325,667	0,199	0,201	0,461	0,184	0,344	64,711	20,192	22,623	21,494	21,525	21,184	21,028	21,696	20,509	57,601	55,211	56,952
325,833	0,199	0,201	0,461	0,183	0,352	64,539	20,182	24,313	21,483	21,506	21,174	21,015	21,680	20,499	57,589	55,218	56,898
326,000	0,199	0,201	0,461	0,182	0,350	64,377	20,169	19,818	21,478	21,517	21,183	21,008	21,680	20,503	57,498	55,231	56,851
326,167	0,199	0,201	0,461	0,182	0,355	64,195	20,144	20,472	21,478	21,500	21,197	21,022	21,692	20,504	57,380	55,238	56,808
326,334	0,199	0,201	0,461	0,182	0,354	64,041	20,171	20,179	21,487	21,500	21,179	21,016	21,683	20,508	57,291	55,234	56,756
326,500	0,198	0,201	0,461	0,180	0,356	63,883	20,166	18,306	21,490	21,500	21,173	21,022	21,685	20,504	57,256	55,227	56,698
326,667	0,198	0,201	0,461	0,179	0,348	63,715	20,200	22,372	21,465	21,497	21,184	21,019	21,672	20,503	57,238	55,216	56,642
326,834	0,198	0,201	0,461	0,179	0,355	63,565	20,206	18,403	21,458	21,491	21,184	21,012	21,691	20,505	57,150	55,202	56,595
327,000	0,199	0,201	0,461	0,179	0,356	63,384	20,214	16,665	21,466	21,487	21,204	21,021	21,697	20,512	57,071	55,196	56,550
327,167	0,199	0,201	0,462	0,179	0,349	63,239	20,197	18,637	21,470	21,484	21,184	21,020	21,678	20,508	57,022	55,186	56,507
327,334	0,199	0,201	0,462	0,178	0,351	63,068	20,190	20,873	21,464	21,486	21,186	21,025	21,675	20,512	56,931	55,165	56,456
327,500	0,199	0,201	0,462	0,177	0,349	62,889	20,201	19,048	21,458	21,482	21,194	21,025	21,678	20,509	56,909	55,152	56,405
327,667	0,199	0,201	0,462	0,177	0,349	62,724	20,203	21,020	21,461	21,475	21,194	21,038	21,696	20,513	56,803	55,151	56,357
327,834	0,199	0,201	0,462	0,176	0,350	62,579	20,207	26,371	21,441	21,466	21,192	21,032	21,689	20,511	56,798	55,153	56,319
328,000	0,199	0,201	0,462	0,175	0,351	62,411	20,221	22,835	21,449	21,475	21,195	21,025	21,685	20,513	56,715	55,151	56,279
328,167	0,198	0,201	0,462	0,173	0,351	62,248	20,207	18,470	21,440	21,452	21,178	21,023	21,675	20,511	56,683	55,157	56,243
328,334	0,199	0,201	0,462	0,174	0,352	62,097	20,226	20,272	21,438	21,460	21,184	21,021	21,697	20,512	56,489	55,140	56,207
328,500	0,199	0,201	0,462	0,174	0,348	61,952	20,227	20,930	21,436	21,468	21,191	21,015	21,692	20,511	56,606	55,140	56,166
328,667	0,199	0,201	0,462	0,174	0,352	61,791	20,207	18,382	21,417	21,456	21,182	21,019	21,693	20,509	56,460	55,125	56,097
328,834	0,199	0,201	0,462	0,172	0,349	61,624	20,199	16,116	21,428	21,460	21,187	21,028	21,682	20,512	56,495	55,108	56,067
329,000	0,199	0,201	0,462	0,174	0,347	61,484	20,209	18,685	21,425	21,453	21,195	21,028	21,678	20,515	56,401	55,090	56,032
329,167	0,199	0,201	0,462	0,172	0,354	61,340	20,213	17,166	21,417	21,446	21,178	21,038	21,691	20,519	56,484	55,089	56,005
329,333	0,199	0,201	0,462	0,171	0,349	61,176	20,200	22,755	21,404	21,438	21,178	21,019	21,687	20,512	56,308	55,073	55,969

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
323,500	54,615	0,773	0,794	2812,683	2883,335	-1,286	0,033	498,854	7,221	14,006	4,831	2017-09-18 14:57
323,667	54,644	0,772	0,792	2727,118	2821,017	-1,310	0,033	498,948	6,870	13,841	4,803	2017-09-18 14:57
323,833	54,663	0,772	0,793	2656,350	2726,740	-1,112	0,033	498,948	7,028	14,108	4,849	2017-09-18 14:57
324,000	54,665	0,772	0,793	2600,249	2709,273	-1,109	0,033	498,948	7,077	14,093	4,846	2017-09-18 14:58
324,167	54,657	0,772	0,791	2561,630	2655,042	-1,099	0,033	498,854	6,992	13,795	4,795	2017-09-18 14:58
324,333	54,645	0,771	0,792	2520,854	2510,611	-1,119	0,033	498,948	6,654	14,088	4,846	2017-09-18 14:58
324,500	54,644	0,771	0,792	2461,978	2496,555	-1,133	0,033	498,854	7,665	13,976	4,826	2017-09-18 14:58
324,667	54,661	0,771	0,792	2381,556	2416,608	-1,105	0,033	498,855	7,486	14,056	4,840	2017-09-18 14:58
324,833	54,673	0,772	0,792	2325,145	2344,538	-1,099	0,033	498,948	7,392	13,998	4,830	2017-09-18 14:58
325,000	54,683	0,772	0,793	2275,043	2334,974	-1,123	0,033	498,948	7,415	14,156	4,857	2017-09-18 14:59
325,167	54,677	0,772	0,793	2209,930	2288,286	-1,099	0,032	498,855	7,388	14,265	4,876	2017-09-18 14:59
325,333	54,688	0,772	0,792	2151,413	2248,332	-1,099	0,032	498,948	7,405	14,188	4,863	2017-09-18 14:59
325,500	54,727	0,772	0,793	2070,834	2137,278	-1,095	0,033	498,948	7,378	13,829	4,801	2017-09-18 14:59
325,667	54,775	0,773	0,794	1977,910	2115,336	-1,109	0,032	498,948	7,376	13,753	4,788	2017-09-18 14:59
325,833	54,795	0,772	0,792	1908,219	2095,454	-1,116	0,033	498,948	7,319	14,061	4,841	2017-09-18 14:59
326,000	54,798	0,771	0,793	1863,754	2000,626	-1,092	0,033	498,948	7,280	14,004	4,831	2017-09-18 15:00
326,167	54,798	0,772	0,793	1826,321	1893,818	-1,109	0,033	498,948	7,289	14,207	4,866	2017-09-18 15:00
326,334	54,798	0,772	0,794	1780,454	1819,292	-1,123	0,032	498,948	7,266	14,157	4,857	2017-09-18 15:00
326,500	54,801	0,772	0,794	1724,106	1794,230	-1,304	0,032	498,948	7,203	14,225	4,869	2017-09-18 15:00
326,667	54,802	0,772	0,792	1668,592	1785,665	-1,310	0,032	498,948	7,173	13,928	4,818	2017-09-18 15:00
326,834	54,803	0,771	0,792	1624,515	1719,259	-1,321	0,032	498,948	7,166	14,206	4,866	2017-09-18 15:00
327,000	54,803	0,771	0,793	1585,929	1656,021	-1,112	0,032	498,948	7,166	14,237	4,871	2017-09-18 15:01
327,167	54,809	0,771	0,793	1542,470	1621,599	-1,123	0,032	499,042	7,147	13,948	4,821	2017-09-18 15:01
327,334	54,821	0,772	0,793	1485,637	1560,324	-1,109	0,032	499,042	7,133	14,052	4,839	2017-09-18 15:01
327,500	54,844	0,772	0,794	1419,281	1553,096	-1,137	0,032	499,042	7,094	13,962	4,824	2017-09-18 15:01
327,667	54,864	0,772	0,793	1356,148	1459,988	-1,105	0,033	499,042	7,066	13,966	4,825	2017-09-18 15:01
327,834	54,869	0,772	0,794	1317,852	1453,070	-1,116	0,032	499,042	7,055	14,015	4,833	2017-09-18 15:01
328,000	54,872	0,773	0,794	1279,462	1383,251	-1,123	0,032	499,042	7,014	14,050	4,839	2017-09-18 15:02
328,167	54,872	0,772	0,793	1245,108	1348,592	-1,317	0,032	499,042	6,926	14,025	4,835	2017-09-18 15:02
328,334	54,865	0,772	0,793	1217,991	1192,136	-1,112	0,032	499,042	6,959	14,063	4,841	2017-09-18 15:02
328,500	54,861	0,771	0,794	1186,234	1294,690	-1,119	0,033	499,042	6,943	13,923	4,817	2017-09-18 15:02
328,667	54,860	0,771	0,793	1122,739	1178,951	-1,112	0,033	499,042	6,965	14,081	4,844	2017-09-18 15:02
328,834	54,853	0,772	0,793	1102,715	1225,350	-1,119	0,032	499,042	6,895	13,976	4,826	2017-09-18 15:02
329,000	54,852	0,772	0,794	1072,763	1157,886	-1,133	0,032	499,042	6,956	13,898	4,813	2017-09-18 15:03
329,167	54,854	0,772	0,794	1046,329	1233,558	-1,092	0,032	499,042	6,869	14,141	4,855	2017-09-18 15:03
329,333	54,865	0,773	0,794	1004,059	1093,058	-1,109	0,033	499,042	6,848	13,948	4,821	2017-09-18 15:03

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
329,500	0,198	0,201	0,462	0,171	0,349	61,023	20,208	25,588	21,416	21,440	21,195	21,016	21,672	20,517	56,278	55,062	55,946
329,667	0,199	0,201	0,462	0,170	0,356	60,864	20,217	22,185	21,413	21,432	21,187	21,037	21,695	20,519	56,258	55,061	55,905
329,833	0,199	0,201	0,462	0,170	0,354	60,727	20,212	17,793	21,419	21,432	21,178	21,031	21,695	20,519	56,224	55,065	55,867
330,000	0,198	0,201	0,462	0,169	0,350	60,598	20,219	22,117	21,421	21,431	21,199	21,014	21,686	20,519	56,145	55,058	55,851
330,167	0,198	0,201	0,462	0,169	0,353	60,431	20,217	21,765	21,418	21,422	21,196	21,014	21,673	20,520	56,188	55,055	55,838
330,333	0,198	0,201	0,462	0,167	0,358	60,317	20,202	19,311	21,416	21,413	21,187	21,027	21,676	20,521	56,161	55,050	55,791
330,500	0,199	0,201	0,462	0,169	0,356	60,183	20,210	22,588	21,425	21,425	21,196	21,032	21,694	20,527	56,141	55,041	55,764
330,667	0,199	0,201	0,462	0,169	0,356	60,046	20,214	18,342	21,425	21,422	21,191	21,032	21,698	20,529	56,068	55,021	55,757
330,833	0,198	0,201	0,462	0,166	0,352	59,903	20,217	25,375	21,403	21,423	21,208	21,016	21,680	20,524	56,038	55,022	55,744
331,000	0,198	0,201	0,462	0,167	0,352	59,772	20,211	27,899	21,396	21,418	21,193	21,023	21,682	20,528	56,105	55,011	55,711
331,167	0,198	0,201	0,462	0,165	0,359	59,633	20,211	22,056	21,396	21,401	21,169	21,034	21,666	20,517	55,979	55,000	55,671
331,333	0,198	0,201	0,462	0,166	0,355	59,509	20,230	18,189	21,401	21,413	21,187	21,020	21,681	20,529	55,964	54,986	55,655
331,500	0,198	0,201	0,462	0,166	0,354	59,358	20,240	19,443	21,398	21,405	21,189	21,027	21,694	20,531	55,910	54,978	55,633
331,667	0,198	0,201	0,462	0,164	0,357	59,250	20,239	25,072	21,409	21,426	21,194	21,030	21,698	20,540	55,898	54,974	55,608
331,833	0,199	0,201	0,462	0,164	0,350	59,107	20,213	16,666	21,391	21,388	21,187	21,027	21,676	20,520	55,894	54,963	55,585
332,000	0,199	0,201	0,462	0,165	0,358	58,975	20,221	17,096	21,387	21,404	21,179	21,024	21,667	20,524	55,921	54,957	55,562
332,167	0,199	0,201	0,462	0,164	0,353	58,837	20,225	19,577	21,386	21,384	21,177	21,010	21,678	20,525	55,869	54,953	55,533
332,333	0,199	0,201	0,462	0,164	0,349	58,711	20,186	20,095	21,371	21,393	21,185	21,016	21,683	20,523	55,806	54,940	55,527
332,500	0,199	0,201	0,462	0,164	0,348	58,609	20,196	24,177	21,374	21,384	21,183	21,010	21,680	20,524	55,791	54,929	55,519
332,667	0,198	0,201	0,462	0,163	0,358	58,490	20,198	19,652	21,370	21,378	21,193	21,014	21,669	20,527	55,766	54,927	55,485
332,834	0,198	0,201	0,462	0,162	0,354	58,369	20,191	26,335	21,370	21,377	21,186	21,039	21,683	20,529	55,731	54,910	55,456
333,000	0,198	0,201	0,462	0,162	0,358	58,240	20,159	21,263	21,380	21,364	21,174	21,020	21,683	20,528	55,779	54,896	55,438
333,167	0,198	0,201	0,462	0,161	0,350	58,135	20,201	19,189	21,371	21,374	21,203	21,024	21,696	20,533	55,712	54,882	55,417
333,334	0,198	0,201	0,462	0,162	0,352	58,029	20,199	22,484	21,368	21,369	21,187	21,028	21,679	20,531	55,717	54,873	55,403
333,500	0,198	0,201	0,462	0,162	0,355	57,931	20,224	19,409	21,370	21,374	21,198	21,034	21,704	20,538	55,725	54,864	55,396
333,667	0,198	0,201	0,462	0,160	0,353	57,807	20,240	17,269	21,356	21,369	21,189	21,024	21,683	20,528	55,650	54,866	55,377
333,834	0,198	0,201	0,462	0,158	0,358	57,680	20,229	17,654	21,348	21,361	21,186	21,016	21,679	20,525	55,611	54,851	55,361
334,000	0,198	0,201	0,462	0,158	0,352	57,577	20,195	25,805	21,362	21,356	21,199	21,023	21,686	20,534	55,650	54,851	55,340
334,167	0,198	0,201	0,462	0,159	0,351	57,501	20,228	24,475	21,355	21,377	21,202	21,038	21,702	20,548	55,668	54,845	55,325
334,334	0,198	0,201	0,462	0,156	0,352	57,357	20,212	23,424	21,336	21,336	21,193	21,022	21,666	20,527	55,583	54,831	55,311
334,500	0,198	0,201	0,462	0,157	0,351	57,253	20,187	18,683	21,327	21,354	21,176	21,006	21,662	20,528	55,538	54,821	55,301
334,667	0,198	0,201	0,462	0,157	0,355	57,147	20,183	15,622	21,337	21,341	21,189	21,011	21,665	20,527	55,566	54,808	55,280
334,834	0,198	0,201	0,462	0,158	0,349	57,039	20,203	18,868	21,323	21,336	21,180	21,022	21,673	20,531	55,510	54,802	55,256
335,000	0,198	0,201	0,462	0,156	0,350	56,958	20,236	23,922	21,355	21,352	21,205	21,035	21,689	20,544	55,506	54,788	55,244
335,167	0,198	0,201	0,462	0,157	0,349	56,825	20,198	18,248	21,322	21,335	21,181	21,024	21,674	20,532	55,477	54,771	55,213
335,334	0,198	0,201	0,462	0,157	0,355	56,700	20,190	18,594	21,309	21,309	21,177	21,012	21,662	20,525	55,491	54,759	55,207

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
329,500	54,881	0,773	0,795	969,139	1075,260	-1,324	0,032	499,042	6,847	13,961	4,824	2017-09-18 15:03
329,667	54,885	0,772	0,794	926,582	1058,072	-1,109	0,032	499,042	6,794	14,244	4,872	2017-09-18 15:03
329,833	54,885	0,772	0,794	892,720	1024,646	-1,109	0,032	499,041	6,803	14,165	4,859	2017-09-18 15:03
330,000	54,880	0,772	0,794	882,644	961,189	-1,314	0,032	499,042	6,754	13,997	4,830	2017-09-18 15:04
330,167	54,876	0,772	0,794	873,981	1001,117	-1,310	0,032	499,042	6,749	14,106	4,849	2017-09-18 15:04
330,333	54,869	0,772	0,793	836,762	981,760	-1,324	0,032	499,042	6,693	14,300	4,882	2017-09-18 15:04
330,500	54,861	0,771	0,794	820,601	971,821	-1,130	0,032	499,042	6,742	14,252	4,874	2017-09-18 15:04
330,667	54,857	0,772	0,793	817,438	926,808	-1,119	0,032	499,042	6,759	14,227	4,869	2017-09-18 15:04
330,833	54,849	0,773	0,794	813,053	898,751	-1,317	0,032	499,042	6,640	14,075	4,843	2017-09-18 15:04
331,000	54,844	0,773	0,794	789,207	967,413	-1,304	0,032	499,042	6,692	14,088	4,846	2017-09-18 15:05
331,167	54,844	0,773	0,794	752,244	865,465	-1,310	0,032	499,042	6,602	14,356	4,892	2017-09-18 15:05
331,333	54,845	0,771	0,793	735,571	863,640	-1,307	0,032	499,042	6,656	14,214	4,867	2017-09-18 15:05
331,500	54,848	0,771	0,793	713,932	823,835	-1,317	0,032	499,042	6,630	14,146	4,856	2017-09-18 15:05
331,667	54,846	0,772	0,793	691,799	817,192	-1,304	0,032	499,042	6,571	14,265	4,876	2017-09-18 15:05
331,833	54,839	0,772	0,793	677,109	823,196	-1,109	0,032	499,042	6,577	13,985	4,828	2017-09-18 15:05
332,000	54,835	0,772	0,793	660,246	851,715	-1,123	0,032	499,042	6,607	14,315	4,884	2017-09-18 15:06
332,167	54,827	0,772	0,793	640,722	809,427	-1,105	0,032	499,042	6,553	14,112	4,850	2017-09-18 15:06
332,333	54,821	0,772	0,793	641,785	765,158	-1,105	0,032	499,042	6,561	13,968	4,825	2017-09-18 15:06
332,500	54,810	0,772	0,793	644,390	761,957	-1,092	0,032	499,042	6,544	13,935	4,819	2017-09-18 15:06
332,667	54,799	0,772	0,794	622,574	741,480	-1,307	0,032	499,042	6,519	14,301	4,882	2017-09-18 15:06
332,834	54,791	0,772	0,794	604,748	725,343	-1,335	0,032	499,042	6,486	14,141	4,855	2017-09-18 15:06
333,000	54,783	0,772	0,794	594,721	780,310	-1,307	0,032	499,136	6,472	14,306	4,883	2017-09-18 15:07
333,167	54,782	0,772	0,794	577,659	733,382	-1,335	0,032	499,042	6,444	13,997	4,830	2017-09-18 15:07
333,334	54,785	0,772	0,793	561,254	746,124	-1,328	0,032	499,042	6,460	14,097	4,847	2017-09-18 15:07
333,500	54,782	0,772	0,794	558,526	762,204	-1,331	0,032	499,042	6,465	14,187	4,863	2017-09-18 15:07
333,667	54,774	0,772	0,794	548,489	692,943	-1,324	0,032	499,041	6,403	14,122	4,852	2017-09-18 15:07
333,834	54,763	0,772	0,794	543,419	672,096	-1,324	0,032	499,042	6,334	14,326	4,886	2017-09-18 15:07
334,000	54,758	0,772	0,794	529,058	706,277	-1,342	0,032	499,042	6,309	14,087	4,845	2017-09-18 15:08
334,167	54,751	0,773	0,793	521,122	727,936	-1,314	0,032	499,136	6,355	14,044	4,838	2017-09-18 15:08
334,334	54,736	0,773	0,794	522,463	665,236	-1,321	0,032	499,042	6,240	14,074	4,843	2017-09-18 15:08
334,500	54,728	0,772	0,794	520,146	634,116	-1,321	0,032	499,042	6,269	14,036	4,837	2017-09-18 15:08
334,667	54,716	0,772	0,794	512,578	669,594	-1,335	0,031	499,041	6,292	14,208	4,866	2017-09-18 15:08
334,834	54,710	0,773	0,794	497,252	626,172	-1,331	0,031	499,042	6,325	13,959	4,823	2017-09-18 15:08
335,000	54,707	0,772	0,794	488,619	634,168	-1,342	0,031	499,042	6,241	13,997	4,830	2017-09-18 15:09
335,167	54,698	0,772	0,793	468,455	624,130	-1,321	0,032	499,042	6,262	13,964	4,824	2017-09-18 15:09
335,334	54,695	0,772	0,794	465,276	646,933	-1,328	0,031	499,042	6,296	14,220	4,868	2017-09-18 15:09

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
335,500	0,198	0,201	0,462	0,157	0,348	56,619	20,203	24,439	21,328	21,313	21,174	21,020	21,683	20,536	55,430	54,751	55,191
335,667	0,198	0,201	0,462	0,156	0,350	56,529	20,197	21,721	21,340	21,327	21,194	21,012	21,691	20,542	55,432	54,747	55,184
335,833	0,198	0,201	0,462	0,156	0,353	56,402	20,202	23,322	21,315	21,301	21,186	21,013	21,671	20,529	55,436	54,739	55,170
336,000	0,198	0,201	0,462	0,156	0,354	56,316	20,216	23,423	21,317	21,311	21,178	21,009	21,662	20,534	55,417	54,737	55,153
336,167	0,198	0,201	0,462	0,155	0,356	56,234	20,183	22,856	21,293	21,298	21,170	21,013	21,668	20,529	55,410	54,720	55,130
336,333	0,198	0,201	0,462	0,154	0,359	56,142	20,201	19,761	21,325	21,333	21,213	21,037	21,686	20,553	55,394	54,717	55,127
336,500	0,198	0,201	0,462	0,154	0,352	56,050	20,185	18,075	21,327	21,317	21,196	21,018	21,674	20,545	55,394	54,702	55,111
336,667	0,198	0,201	0,462	0,152	0,354	55,925	20,179	16,416	21,294	21,301	21,165	21,009	21,666	20,527	55,365	54,688	55,093
336,833	0,198	0,201	0,462	0,151	0,351	55,834	20,199	21,491	21,300	21,291	21,180	21,009	21,668	20,532	55,319	54,680	55,078
337,000	0,198	0,201	0,462	0,154	0,355	55,748	20,200	19,674	21,289	21,280	21,190	21,007	21,661	20,529	55,313	54,668	55,048
337,167	0,198	0,201	0,462	0,152	0,355	55,635	20,186	23,074	21,279	21,272	21,177	21,003	21,671	20,527	55,350	54,653	55,035
337,333	0,198	0,201	0,462	0,152	0,361	55,563	20,197	25,633	21,308	21,296	21,188	21,019	21,677	20,537	55,258	54,646	55,031
337,500	0,198	0,201	0,462	0,151	0,355	55,466	20,206	22,307	21,289	21,293	21,172	21,007	21,656	20,533	55,291	54,638	55,032
337,667	0,198	0,201	0,462	0,150	0,352	55,365	20,206	16,962	21,285	21,284	21,182	21,011	21,664	20,532	55,264	54,629	55,009
337,833	0,198	0,201	0,462	0,150	0,348	55,282	20,198	24,132	21,280	21,279	21,176	21,018	21,689	20,536	55,209	54,615	55,000
338,000	0,198	0,201	0,462	0,149	0,358	55,178	20,184	19,977	21,284	21,284	21,184	21,011	21,669	20,534	55,200	54,610	54,983
338,167	0,198	0,201	0,462	0,149	0,356	55,116	20,240	19,628	21,278	21,267	21,171	21,013	21,665	20,536	55,219	54,601	54,962
338,333	0,198	0,201	0,462	0,150	0,353	55,002	20,210	23,181	21,267	21,263	21,177	21,005	21,673	20,532	55,191	54,588	54,942
338,500	0,198	0,201	0,462	0,150	0,352	54,933	20,174	18,406	21,276	21,268	21,180	21,013	21,661	20,536	55,148	54,576	54,941
338,667	0,198	0,201	0,462	0,149	0,351	54,846	20,182	24,830	21,261	21,264	21,161	21,009	21,662	20,532	55,201	54,564	54,921
338,833	0,198	0,201	0,462	0,148	0,355	54,754	20,178	24,579	21,259	21,261	21,181	21,023	21,668	20,537	55,178	54,552	54,903
339,000	0,198	0,201	0,462	0,147	0,353	54,681	20,202	19,716	21,278	21,254	21,180	21,009	21,664	20,537	55,124	54,544	54,901
339,167	0,198	0,201	0,462	0,147	0,351	54,589	20,208	21,270	21,264	21,257	21,181	21,007	21,670	20,534	55,126	54,528	54,887
339,333	0,198	0,201	0,462	0,146	0,346	54,492	20,184	20,996	21,246	21,253	21,168	20,990	21,651	20,533	55,134	54,529	54,867
339,500	0,198	0,201	0,462	0,147	0,350	54,426	20,189	20,262	21,245	21,250	21,177	20,997	21,658	20,533	55,091	54,515	54,851
339,667	0,198	0,201	0,462	0,146	0,353	54,338	20,172	22,166	21,265	21,237	21,172	21,018	21,656	20,537	55,073	54,505	54,848
339,834	0,198	0,201	0,462	0,146	0,353	54,254	20,159	16,974	21,251	21,242	21,172	21,006	21,668	20,536	55,071	54,496	54,831
340,000	0,198	0,201	0,462	0,148	0,353	54,171	20,171	17,236	21,238	21,224	21,177	21,000	21,666	20,536	55,083	54,481	54,815
340,167	0,198	0,201	0,462	0,146	0,354	54,105	20,240	16,553	21,262	21,261	21,209	21,024	21,669	20,556	55,039	54,476	54,804
340,334	0,198	0,201	0,462	0,145	0,354	54,017	20,184	15,949	21,270	21,245	21,192	21,018	21,673	20,552	55,023	54,468	54,804
340,500	0,198	0,201	0,462	0,146	0,358	53,967	20,167	18,025	21,257	21,253	21,204	21,035	21,684	20,561	55,052	54,462	54,781
340,667	0,198	0,201	0,462	0,146	0,358	53,887	20,167	24,814	21,257	21,233	21,193	21,019	21,668	20,548	55,003	54,449	54,769
340,834	0,198	0,201	0,462	0,144	0,352	53,775	20,151	24,747	21,236	21,229	21,180	20,987	21,665	20,538	54,996	54,431	54,757
341,000	0,198	0,201	0,462	0,145	0,355	53,729	20,189	20,571	21,260	21,252	21,188	21,026	21,676	20,561	54,977	54,426	54,736
341,167	0,198	0,201	0,462	0,144	0,350	53,661	20,203	22,841	21,237	21,231	21,194	20,996	21,664	20,544	54,965	54,409	54,724
341,334	0,198	0,201	0,463	0,143	0,353	53,583	20,182	20,976	21,232	21,215	21,182	21,001	21,657	20,542	54,953	54,398	54,710

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
335,500	54,692	0,772	0,791	451,566	600,953	-1,345	0,031	499,042	6,271	13,939	4,820	2017-09-18 15:09
335,667	54,680	0,772	0,791	455,994	605,239	-1,342	0,031	499,042	6,231	13,992	4,829	2017-09-18 15:09
335,833	54,672	0,772	0,790	450,700	615,860	-1,335	0,031	499,042	6,226	14,104	4,848	2017-09-18 15:09
336,000	54,664	0,771	0,790	442,284	600,199	-1,342	0,031	499,042	6,248	14,143	4,855	2017-09-18 15:10
336,167	54,649	0,772	0,791	435,499	610,296	-1,317	0,031	499,042	6,206	14,247	4,873	2017-09-18 15:10
336,333	54,640	0,773	0,791	441,409	599,207	-1,345	0,031	499,042	6,171	14,349	4,890	2017-09-18 15:10
336,500	54,628	0,773	0,790	437,513	611,991	-1,324	0,032	499,042	6,174	14,075	4,843	2017-09-18 15:10
336,667	54,623	0,772	0,789	424,857	598,586	-1,324	0,032	499,042	6,087	14,178	4,861	2017-09-18 15:10
336,833	54,613	0,772	0,790	420,398	565,195	-1,328	0,032	499,041	6,057	14,046	4,838	2017-09-18 15:10
337,000	54,605	0,772	0,791	401,483	570,317	-1,345	0,032	499,042	6,146	14,187	4,863	2017-09-18 15:11
337,167	54,597	0,773	0,791	396,604	617,086	-1,331	0,032	499,041	6,092	14,211	4,867	2017-09-18 15:11
337,333	54,590	0,772	0,791	398,954	540,702	-1,335	0,031	499,041	6,089	14,432	4,904	2017-09-18 15:11
337,500	54,582	0,773	0,791	407,225	577,801	-1,342	0,031	499,042	6,039	14,197	4,864	2017-09-18 15:11
337,667	54,570	0,771	0,790	397,277	561,478	-1,331	0,031	499,042	6,010	14,094	4,847	2017-09-18 15:11
337,833	54,564	0,772	0,790	394,533	525,129	-1,328	0,031	499,042	6,006	13,912	4,815	2017-09-18 15:11
338,000	54,556	0,772	0,790	386,118	521,273	-1,335	0,032	499,042	5,969	14,325	4,886	2017-09-18 15:12
338,167	54,548	0,771	0,789	374,857	545,723	-1,345	0,032	499,041	5,954	14,248	4,873	2017-09-18 15:12
338,333	54,533	0,771	0,790	370,322	531,854	-1,321	0,031	499,042	5,986	14,118	4,851	2017-09-18 15:12
338,500	54,525	0,772	0,790	376,511	504,748	-1,314	0,032	499,041	6,003	14,067	4,842	2017-09-18 15:12
338,667	54,518	0,772	0,791	364,528	562,800	-1,321	0,032	499,135	5,942	14,037	4,837	2017-09-18 15:12
338,833	54,507	0,772	0,790	358,352	553,971	-1,335	0,032	499,041	5,920	14,196	4,864	2017-09-18 15:12
339,000	54,501	0,771	0,790	361,836	511,739	-1,304	0,031	499,078	5,868	14,110	4,849	2017-09-18 15:13
339,167	54,489	0,771	0,790	360,537	528,334	-1,342	0,032	499,042	5,891	14,046	4,838	2017-09-18 15:13
339,333	54,481	0,771	0,790	349,402	533,897	-1,317	0,032	499,041	5,858	13,821	4,800	2017-09-18 15:13
339,500	54,474	0,771	0,789	340,873	509,005	-1,310	0,031	499,041	5,883	13,985	4,828	2017-09-18 15:13
339,667	54,462	0,772	0,791	349,818	501,452	-1,304	0,031	499,042	5,844	14,129	4,853	2017-09-18 15:13
339,834	54,451	0,772	0,791	343,767	508,776	-1,314	0,032	499,079	5,832	14,138	4,854	2017-09-18 15:13
340,000	54,442	0,772	0,792	338,028	532,377	-1,286	0,032	499,042	5,912	14,117	4,851	2017-09-18 15:14
340,167	54,434	0,772	0,791	335,576	497,923	-1,310	0,032	499,042	5,823	14,153	4,857	2017-09-18 15:14
340,334	54,422	0,772	0,791	346,248	490,653	-1,338	0,032	499,042	5,800	14,147	4,856	2017-09-18 15:14
340,500	54,416	0,771	0,790	330,028	521,380	-1,321	0,032	499,041	5,830	14,335	4,888	2017-09-18 15:14
340,667	54,406	0,772	0,790	328,916	489,710	-1,328	0,032	499,135	5,838	14,315	4,884	2017-09-18 15:14
340,834	54,395	0,772	0,790	327,700	499,304	-1,324	0,032	499,041	5,763	14,096	4,847	2017-09-18 15:14
341,000	54,392	0,772	0,791	311,116	487,219	-1,335	0,032	499,042	5,794	14,217	4,868	2017-09-18 15:15
341,167	54,378	0,771	0,790	313,119	491,781	-1,317	0,032	499,136	5,773	13,985	4,828	2017-09-18 15:15
341,334	54,370	0,771	0,791	308,370	490,576	-1,310	0,031	499,233	5,703	14,110	4,849	2017-09-18 15:15

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
341,500	0,198	0,201	0,462	0,144	0,352	53,515	20,189	16,407	21,244	21,219	21,177	21,014	21,668	20,545	54,961	54,393	54,698
341,667	0,198	0,201	0,462	0,142	0,354	53,458	20,159	20,986	21,243	21,236	21,206	21,022	21,672	20,569	54,916	54,389	54,695
341,834	0,198	0,201	0,462	0,143	0,355	53,355	20,150	26,113	21,220	21,205	21,175	21,000	21,648	20,541	54,913	54,374	54,683
342,000	0,198	0,201	0,462	0,143	0,356	53,278	20,151	22,717	21,215	21,205	21,190	21,006	21,657	20,545	54,889	54,363	54,665
342,167	0,198	0,201	0,462	0,142	0,357	53,224	20,204	26,211	21,230	21,215	21,189	21,007	21,660	20,554	54,882	54,351	54,646
342,334	0,198	0,201	0,462	0,143	0,351	53,158	20,208	23,842	21,242	21,221	21,209	21,015	21,688	20,569	54,838	54,347	54,628
342,500	0,198	0,201	0,462	0,143	0,359	53,058	20,120	17,759	21,241	21,206	21,181	20,997	21,668	20,550	54,858	54,329	54,623
342,667	0,198	0,201	0,462	0,142	0,353	53,033	20,118	20,958	21,263	21,254	21,234	21,052	21,696	20,598	54,860	54,319	54,616
342,833	0,198	0,201	0,462	0,141	0,352	52,940	20,133	19,701	21,239	21,226	21,192	21,021	21,696	20,572	54,850	54,315	54,600
343,000	0,198	0,201	0,462	0,141	0,359	52,835	20,133	19,142	21,218	21,180	21,176	20,991	21,646	20,544	54,797	54,299	54,589
343,167	0,199	0,201	0,462	0,141	0,360	52,768	20,128	25,180	21,211	21,202	21,181	21,005	21,663	20,549	54,774	54,292	54,579
343,333	0,199	0,201	0,462	0,140	0,355	52,683	20,086	19,922	21,195	21,189	21,169	20,988	21,660	20,540	54,794	54,273	54,559
343,500	0,199	0,201	0,462	0,140	0,356	52,648	20,095	15,920	21,202	21,189	21,192	20,991	21,659	20,545	54,775	54,266	54,544
343,667	0,199	0,201	0,462	0,139	0,358	52,584	20,148	14,148	21,229	21,203	21,200	21,029	21,667	20,566	54,775	54,262	54,541
343,833	0,198	0,201	0,462	0,139	0,351	52,488	20,146	15,761	21,194	21,185	21,185	21,001	21,661	20,546	54,776	54,245	54,524
344,000	0,198	0,201	0,462	0,139	0,349	52,454	20,151	25,225	21,202	21,181	21,189	21,004	21,651	20,550	54,724	54,237	54,510
344,167	0,198	0,201	0,462	0,138	0,356	52,396	20,175	28,728	21,214	21,188	21,184	21,020	21,673	20,565	54,724	54,226	54,502
344,333	0,198	0,201	0,462	0,139	0,353	52,311	20,155	22,677	21,205	21,187	21,190	20,999	21,660	20,550	54,708	54,211	54,489
344,500	0,198	0,201	0,462	0,137	0,352	52,261	20,153	18,307	21,197	21,181	21,187	21,008	21,669	20,552	54,680	54,206	54,467
344,667	0,198	0,201	0,462	0,139	0,350	52,187	20,166	18,821	21,175	21,163	21,175	20,986	21,654	20,549	54,669	54,197	54,453
344,833	0,198	0,201	0,462	0,137	0,346	52,112	20,187	21,117	21,197	21,176	21,168	20,992	21,664	20,552	54,656	54,185	54,442
345,000	0,198	0,201	0,462	0,139	0,352	52,055	20,142	22,785	21,192	21,175	21,172	20,996	21,650	20,548	54,637	54,168	54,428
345,167	0,199	0,201	0,462	0,138	0,354	51,979	20,149	18,409	21,180	21,167	21,171	20,987	21,651	20,549	54,660	54,162	54,422
345,333	0,199	0,201	0,462	0,137	0,348	51,920	20,108	22,394	21,173	21,151	21,184	20,993	21,654	20,548	54,606	54,154	54,410
345,500	0,198	0,201	0,462	0,136	0,353	51,854	20,096	26,477	21,171	21,150	21,167	20,988	21,659	20,548	54,613	54,142	54,402
345,667	0,198	0,201	0,462	0,135	0,357	51,816	20,104	24,159	21,180	21,150	21,171	20,983	21,633	20,548	54,663	54,128	54,379
345,833	0,198	0,201	0,462	0,137	0,355	51,730	20,115	18,980	21,180	21,159	21,167	20,989	21,637	20,549	54,608	54,119	54,377
346,000	0,198	0,201	0,462	0,136	0,356	51,673	20,132	24,724	21,180	21,162	21,170	20,986	21,652	20,556	54,561	54,109	54,379
346,167	0,198	0,201	0,462	0,136	0,357	51,624	20,127	20,980	21,189	21,167	21,168	21,007	21,656	20,556	54,565	54,097	54,361
346,333	0,198	0,201	0,462	0,136	0,350	51,577	20,145	23,555	21,167	21,155	21,176	20,991	21,654	20,553	54,541	54,088	54,344
346,500	0,198	0,201	0,462	0,135	0,355	51,509	20,162	16,723	21,175	21,149	21,180	20,992	21,655	20,557	54,549	54,081	54,328
346,667	0,198	0,201	0,462	0,135	0,354	51,445	20,168	19,013	21,168	21,141	21,174	21,005	21,645	20,553	54,562	54,064	54,312
346,834	0,198	0,201	0,462	0,134	0,359	51,391	20,146	21,514	21,157	21,138	21,176	20,995	21,654	20,554	54,495	54,057	54,309
347,000	0,199	0,201	0,462	0,134	0,363	51,299	20,149	22,332	21,159	21,133	21,166	20,986	21,648	20,553	54,495	54,044	54,300
347,167	0,198	0,201	0,462	0,134	0,357	51,247	20,145	18,290	21,141	21,150	21,167	21,007	21,635	20,556	54,492	54,038	54,281
347,334	0,199	0,201	0,462	0,132	0,353	51,200	20,132	26,653	21,155	21,145	21,167	20,984	21,654	20,556	54,491	54,026	54,262

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
341,500	54,359	0,772	0,791	307,222	502,823	-1,307	0,031	499,042	5,758	14,074	4,843	2017-09-18 15:15
341,667	54,355	0,772	0,791	308,322	465,956	-1,328	0,032	499,042	5,697	14,173	4,860	2017-09-18 15:15
341,834	54,337	0,772	0,791	313,129	476,981	-1,324	0,031	499,135	5,730	14,199	4,865	2017-09-18 15:15
342,000	54,327	0,773	0,791	305,978	465,667	-1,314	0,031	499,135	5,715	14,243	4,872	2017-09-18 15:16
342,167	54,317	0,772	0,791	297,578	469,561	-1,328	0,031	499,136	5,676	14,287	4,880	2017-09-18 15:16
342,334	54,311	0,772	0,790	287,276	434,170	-1,314	0,032	499,136	5,714	14,049	4,839	2017-09-18 15:16
342,500	54,300	0,772	0,791	292,478	467,240	-1,314	0,032	499,135	5,723	14,343	4,889	2017-09-18 15:16
342,667	54,292	0,771	0,790	293,446	477,725	-1,310	0,032	499,135	5,683	14,112	4,850	2017-09-18 15:16
342,833	54,281	0,771	0,790	288,622	472,662	-1,293	0,031	499,135	5,626	14,093	4,847	2017-09-18 15:16
343,000	54,269	0,772	0,791	289,942	440,164	-1,324	0,031	499,135	5,637	14,344	4,889	2017-09-18 15:17
343,167	54,264	0,772	0,791	285,186	425,919	-1,105	0,031	499,042	5,635	14,391	4,897	2017-09-18 15:17
343,333	54,252	0,772	0,790	277,643	460,243	-1,099	0,031	499,136	5,620	14,189	4,863	2017-09-18 15:17
343,500	54,245	0,771	0,790	270,176	448,920	-1,109	0,032	499,041	5,618	14,245	4,873	2017-09-18 15:17
343,667	54,232	0,771	0,789	279,486	452,418	-1,102	0,031	499,136	5,579	14,303	4,882	2017-09-18 15:17
343,833	54,220	0,771	0,790	274,976	469,320	-1,310	0,032	499,042	5,580	14,055	4,840	2017-09-18 15:17
344,000	54,212	0,771	0,790	270,213	430,430	-1,310	0,031	499,136	5,561	13,947	4,821	2017-09-18 15:18
344,167	54,198	0,771	0,791	275,189	440,059	-1,321	0,032	499,136	5,513	14,236	4,871	2017-09-18 15:18
344,333	54,189	0,772	0,791	271,633	439,117	-1,307	0,032	499,042	5,558	14,129	4,853	2017-09-18 15:18
344,500	54,182	0,772	0,791	258,131	418,834	-1,321	0,031	499,136	5,500	14,064	4,842	2017-09-18 15:18
344,667	54,172	0,771	0,791	254,629	417,461	-1,304	0,032	499,136	5,562	14,000	4,830	2017-09-18 15:18
344,833	54,165	0,771	0,790	250,599	416,274	-1,317	0,032	499,136	5,487	13,821	4,799	2017-09-18 15:18
345,000	54,150	0,771	0,790	251,651	413,733	-1,321	0,032	499,135	5,543	14,065	4,842	2017-09-18 15:19
345,167	54,141	0,770	0,790	254,099	439,420	-1,119	0,031	499,135	5,520	14,167	4,859	2017-09-18 15:19
345,333	54,131	0,772	0,791	251,993	400,073	-1,109	0,032	499,042	5,489	13,939	4,820	2017-09-18 15:19
345,500	54,123	0,772	0,792	252,237	416,731	-1,331	0,032	499,042	5,448	14,115	4,850	2017-09-18 15:19
345,667	54,113	0,771	0,790	240,917	471,719	-1,335	0,032	499,135	5,395	14,264	4,876	2017-09-18 15:19
345,833	54,102	0,771	0,790	249,344	431,612	-1,338	0,032	499,042	5,500	14,217	4,868	2017-09-18 15:19
346,000	54,090	0,771	0,791	261,596	398,656	-1,317	0,032	499,135	5,429	14,259	4,875	2017-09-18 15:20
346,167	54,080	0,771	0,791	254,292	412,565	-1,335	0,032	499,042	5,436	14,286	4,880	2017-09-18 15:20
346,333	54,070	0,771	0,790	247,978	399,717	-1,321	0,032	499,042	5,436	14,009	4,832	2017-09-18 15:20
346,500	54,060	0,771	0,790	241,931	412,461	-1,349	0,032	499,136	5,417	14,198	4,864	2017-09-18 15:20
346,667	54,050	0,771	0,790	237,118	439,970	-1,328	0,032	499,135	5,409	14,175	4,861	2017-09-18 15:20
346,834	54,040	0,771	0,790	243,070	386,815	-1,352	0,032	499,135	5,367	14,351	4,891	2017-09-18 15:20
347,000	54,030	0,771	0,791	244,461	398,700	-1,130	0,032	499,135	5,344	14,507	4,917	2017-09-18 15:21
347,167	54,020	0,771	0,791	235,983	401,036	-1,342	0,031	499,042	5,346	14,283	4,879	2017-09-18 15:21
347,334	54,011	0,771	0,791	227,493	410,525	-1,140	0,031	499,136	5,279	14,103	4,848	2017-09-18 15:21

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
347,500	0,199	0,201	0,462	0,135	0,357	51,151	20,111	21,119	21,143	21,125	21,173	20,975	21,638	20,549	54,491	54,013	54,250
347,667	0,199	0,201	0,462	0,134	0,358	51,090	20,129	17,773	21,154	21,134	21,175	20,999	21,656	20,553	54,452	54,003	54,242
347,834	0,198	0,201	0,462	0,133	0,358	51,043	20,103	19,738	21,138	21,129	21,158	20,983	21,654	20,546	54,444	53,994	54,234
348,000	0,198	0,201	0,462	0,133	0,361	50,986	20,130	21,917	21,149	21,132	21,168	20,987	21,645	20,553	54,409	53,986	54,216
348,167	0,198	0,201	0,462	0,133	0,355	50,940	20,124	26,233	21,153	21,146	21,176	20,996	21,646	20,560	54,440	53,975	54,202
348,334	0,198	0,201	0,462	0,133	0,350	50,872	20,111	26,542	21,147	21,128	21,172	20,986	21,649	20,556	54,387	53,956	54,188
348,500	0,198	0,201	0,462	0,133	0,353	50,821	20,109	24,550	21,129	21,112	21,175	20,987	21,651	20,550	54,425	53,948	54,190
348,667	0,198	0,201	0,462	0,133	0,350	50,776	20,115	17,613	21,134	21,116	21,181	20,984	21,652	20,552	54,380	53,939	54,168
348,834	0,198	0,201	0,462	0,132	0,353	50,717	20,115	18,752	21,142	21,120	21,179	20,999	21,638	20,554	54,361	53,928	54,163
349,000	0,199	0,201	0,462	0,130	0,351	50,656	20,125	23,383	21,150	21,127	21,178	20,984	21,643	20,560	54,338	53,920	54,153
349,167	0,198	0,201	0,462	0,131	0,357	50,593	20,137	19,133	21,136	21,124	21,162	20,975	21,639	20,554	54,316	53,910	54,135
349,333	0,199	0,201	0,462	0,130	0,347	50,544	20,149	17,074	21,128	21,108	21,185	20,975	21,639	20,557	54,318	53,901	54,122
349,500	0,198	0,201	0,462	0,130	0,352	50,489	20,136	26,259	21,136	21,107	21,158	20,984	21,641	20,554	54,320	53,887	54,110
349,667	0,198	0,201	0,462	0,131	0,355	50,433	20,125	21,029	21,132	21,112	21,170	20,974	21,641	20,554	54,283	53,876	54,100
349,833	0,199	0,201	0,462	0,131	0,355	50,387	20,149	20,257	21,129	21,108	21,162	20,987	21,654	20,558	54,302	53,865	54,086
350,000	0,199	0,201	0,462	0,130	0,353	50,359	20,137	18,830	21,123	21,121	21,171	20,983	21,648	20,554	54,269	53,852	54,071
350,167	0,199	0,201	0,462	0,130	0,354	50,304	20,129	24,318	21,124	21,099	21,164	20,973	21,655	20,557	54,267	53,851	54,067
350,333	0,199	0,201	0,462	0,130	0,354	50,229	20,137	19,822	21,124	21,114	21,172	20,977	21,649	20,556	54,239	53,832	54,051
350,500	0,199	0,201	0,462	0,130	0,355	50,193	20,135	18,879	21,127	21,111	21,178	20,985	21,655	20,564	54,249	53,820	54,043
350,667	0,199	0,201	0,462	0,130	0,350	50,148	20,110	20,127	21,125	21,089	21,158	20,984	21,632	20,554	54,258	53,812	54,027
350,833	0,199	0,201	0,462	0,131	0,355	50,088	20,134	19,795	21,117	21,081	21,159	20,991	21,638	20,556	54,226	53,804	54,016
351,000	0,199	0,201	0,462	0,130	0,348	50,009	20,128	17,962	21,123	21,101	21,164	20,975	21,624	20,556	54,219	53,794	54,011
351,167	0,199	0,201	0,462	0,128	0,352	49,952	20,125	15,156	21,116	21,094	21,167	20,975	21,646	20,554	54,240	53,781	53,995
351,333	0,198	0,201	0,462	0,129	0,354	49,915	20,125	14,033	21,107	21,081	21,167	20,987	21,638	20,554	54,208	53,771	53,990
351,500	0,198	0,201	0,462	0,130	0,352	49,867	20,128	16,167	21,119	21,084	21,163	20,982	21,637	20,553	54,214	53,761	53,976
351,667	0,199	0,201	0,462	0,129	0,357	49,815	20,134	15,267	21,114	21,094	21,157	20,958	21,632	20,556	54,153	53,751	53,960
351,833	0,198	0,201	0,462	0,127	0,358	49,764	20,136	16,933	21,099	21,094	21,171	20,973	21,641	20,557	54,175	53,738	53,960
352,000	0,199	0,201	0,462	0,127	0,352	49,728	20,137	21,401	21,131	21,094	21,169	20,975	21,637	20,565	54,133	53,730	53,943
352,167	0,198	0,201	0,462	0,128	0,352	49,672	20,141	17,212	21,117	21,081	21,159	20,973	21,639	20,554	54,147	53,718	53,929
352,333	0,198	0,201	0,462	0,130	0,356	49,643	20,152	24,145	21,131	21,089	21,173	20,989	21,637	20,570	54,120	53,716	53,917
352,500	0,198	0,201	0,462	0,127	0,353	49,603	20,162	27,231	21,140	21,105	21,191	21,007	21,661	20,586	54,109	53,704	53,906
352,667	0,199	0,201	0,462	0,127	0,350	49,537	20,145	24,481	21,107	21,069	21,159	20,975	21,630	20,558	54,098	53,687	53,888
352,833	0,198	0,201	0,462	0,127	0,360	49,508	20,114	17,634	21,139	21,110	21,183	20,986	21,656	20,582	54,123	53,681	53,888
353,000	0,198	0,201	0,462	0,127	0,360	49,459	20,140	15,992	21,132	21,100	21,194	20,997	21,661	20,588	54,096	53,676	53,874
353,167	0,198	0,201	0,462	0,126	0,355	49,386	20,164	23,319	21,127	21,087	21,187	20,993	21,659	20,582	54,044	53,660	53,868
353,334	0,198	0,201	0,462	0,126	0,352	49,350	20,179	16,996	21,122	21,102	21,186	20,991	21,658	20,581	54,057	53,648	53,854

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
347,500	53,996	0,771	0,790	229,724	422,412	-1,112	0,031	499,135	5,397	14,289	4,880	2017-09-18 15:21
347,667	53,987	0,771	0,791	231,245	396,396	-1,119	0,031	499,136	5,361	14,312	4,884	2017-09-18 15:21
347,834	53,977	0,771	0,790	232,109	397,634	-1,338	0,031	499,136	5,328	14,329	4,887	2017-09-18 15:21
348,000	53,967	0,771	0,789	225,713	373,607	-1,321	0,031	499,135	5,326	14,449	4,907	2017-09-18 15:22
348,167	53,960	0,770	0,789	218,344	410,096	-1,335	0,031	499,136	5,309	14,201	4,865	2017-09-18 15:22
348,334	53,948	0,769	0,789	217,149	378,940	-1,314	0,032	499,136	5,327	14,004	4,831	2017-09-18 15:22
348,500	53,937	0,770	0,790	228,255	420,758	-1,331	0,031	499,136	5,307	14,100	4,848	2017-09-18 15:22
348,667	53,928	0,771	0,791	217,557	389,226	-1,317	0,031	499,135	5,316	14,011	4,832	2017-09-18 15:22
348,834	53,916	0,772	0,790	223,452	382,476	-1,310	0,032	499,135	5,283	14,134	4,854	2017-09-18 15:22
349,000	53,908	0,771	0,790	222,119	369,058	-1,092	0,031	499,136	5,213	14,024	4,835	2017-09-18 15:23
349,167	53,896	0,771	0,790	216,151	358,750	-1,324	0,031	499,042	5,225	14,276	4,878	2017-09-18 15:23
349,333	53,885	0,771	0,790	214,909	367,979	-1,119	0,031	499,135	5,211	13,895	4,812	2017-09-18 15:23
349,500	53,880	0,771	0,791	208,938	382,338	-1,310	0,032	499,136	5,213	14,094	4,847	2017-09-18 15:23
349,667	53,866	0,771	0,790	211,201	359,530	-1,328	0,032	499,136	5,250	14,186	4,862	2017-09-18 15:23
349,833	53,858	0,771	0,790	206,291	385,711	-1,130	0,032	499,135	5,236	14,187	4,863	2017-09-18 15:23
350,000	53,846	0,770	0,790	203,814	367,739	-1,116	0,031	499,136	5,185	14,126	4,852	2017-09-18 15:24
350,167	53,836	0,771	0,791	210,041	368,228	-1,109	0,031	499,042	5,183	14,166	4,859	2017-09-18 15:24
350,333	53,828	0,771	0,790	202,616	359,927	-1,109	0,032	499,136	5,193	14,141	4,855	2017-09-18 15:24
350,500	53,815	0,771	0,791	206,361	378,898	-1,105	0,031	499,136	5,188	14,218	4,868	2017-09-18 15:24
350,667	53,807	0,771	0,790	198,970	394,120	-1,112	0,031	499,136	5,214	13,999	4,830	2017-09-18 15:24
350,833	53,791	0,771	0,790	203,781	373,029	-1,123	0,031	499,041	5,222	14,187	4,863	2017-09-18 15:24
351,000	53,782	0,771	0,789	207,140	375,194	-1,126	0,032	499,135	5,181	13,932	4,819	2017-09-18 15:25
351,167	53,771	0,770	0,789	202,209	405,429	-1,105	0,031	499,135	5,122	14,092	4,846	2017-09-18 15:25
351,333	53,763	0,771	0,790	204,946	385,978	-1,328	0,031	499,125	5,156	14,145	4,855	2017-09-18 15:25
351,500	53,757	0,772	0,791	198,927	400,487	-1,331	0,031	499,042	5,215	14,071	4,843	2017-09-18 15:25
351,667	53,745	0,772	0,791	195,387	355,481	-1,119	0,031	499,135	5,145	14,276	4,878	2017-09-18 15:25
351,833	53,737	0,771	0,791	202,514	386,083	-1,328	0,031	499,136	5,077	14,309	4,883	2017-09-18 15:25
352,000	53,723	0,771	0,790	198,667	356,199	-1,130	0,032	499,135	5,095	14,077	4,844	2017-09-18 15:26
352,167	53,714	0,771	0,790	195,121	378,906	-1,324	0,032	499,042	5,135	14,074	4,843	2017-09-18 15:26
352,333	53,707	0,771	0,790	190,277	356,445	-1,324	0,031	499,136	5,185	14,237	4,871	2017-09-18 15:26
352,500	53,696	0,771	0,791	190,312	357,761	-1,310	0,031	499,135	5,073	14,115	4,850	2017-09-18 15:26
352,667	53,683	0,771	0,790	185,321	363,667	-1,140	0,031	499,135	5,092	13,992	4,829	2017-09-18 15:26
352,833	53,676	0,771	0,790	191,368	389,664	-1,342	0,031	499,042	5,070	14,386	4,897	2017-09-18 15:26
353,000	53,664	0,771	0,790	190,039	370,746	-1,335	0,031	499,041	5,096	14,387	4,897	2017-09-18 15:27
353,167	53,654	0,772	0,790	193,679	339,025	-1,338	0,031	499,042	5,046	14,191	4,863	2017-09-18 15:27
353,334	53,641	0,771	0,791	192,625	361,164	-1,345	0,031	499,135	5,051	14,097	4,847	2017-09-18 15:27

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
353,500	0,198	0,201	0,462	0,125	0,349	49,305	20,190	19,981	21,135	21,101	21,202	20,992	21,674	20,593	54,058	53,643	53,835
353,667	0,198	0,201	0,462	0,127	0,356	49,268	20,178	22,803	21,131	21,101	21,199	21,013	21,666	20,596	54,039	53,630	53,827
353,834	0,198	0,201	0,462	0,126	0,358	49,186	20,175	17,151	21,121	21,093	21,186	20,994	21,663	20,586	54,054	53,617	53,818
354,000	0,198	0,201	0,462	0,125	0,349	49,189	20,223	20,209	21,143	21,121	21,216	21,029	21,689	20,612	54,026	53,612	53,810
354,167	0,198	0,201	0,462	0,126	0,354	49,095	20,149	25,613	21,082	21,071	21,151	20,961	21,633	20,558	53,982	53,590	53,796
354,334	0,198	0,201	0,462	0,125	0,359	49,052	20,163	24,493	21,093	21,080	21,180	20,964	21,647	20,564	53,981	53,584	53,783
354,500	0,198	0,201	0,462	0,126	0,350	49,028	20,160	19,569	21,104	21,080	21,182	20,972	21,642	20,576	53,975	53,576	53,763
354,667	0,198	0,201	0,462	0,125	0,356	48,998	20,156	21,927	21,114	21,088	21,190	20,972	21,654	20,584	53,979	53,561	53,756
354,834	0,199	0,201	0,462	0,125	0,356	48,975	20,185	19,620	21,108	21,082	21,198	21,001	21,657	20,596	53,958	53,559	53,748
355,000	0,198	0,201	0,462	0,123	0,356	48,898	20,181	18,223	21,092	21,079	21,171	20,976	21,648	20,580	53,955	53,542	53,735
355,167	0,198	0,201	0,462	0,124	0,359	48,885	20,176	24,272	21,101	21,086	21,182	20,994	21,660	20,594	53,970	53,537	53,717
355,334	0,198	0,201	0,462	0,126	0,360	48,803	20,137	19,197	21,097	21,070	21,173	20,972	21,644	20,578	53,910	53,516	53,709
355,500	0,198	0,201	0,462	0,122	0,358	48,770	20,127	19,359	21,102	21,056	21,174	20,973	21,627	20,573	53,899	53,510	53,703
355,667	0,198	0,201	0,462	0,123	0,353	48,810	20,206	22,522	21,196	21,173	21,275	21,082	21,737	20,675	53,920	53,516	53,700
355,834	0,198	0,201	0,462	0,122	0,356	48,744	20,219	22,160	21,175	21,132	21,245	21,038	21,727	20,647	53,885	53,494	53,682
356,000	0,198	0,201	0,462	0,124	0,356	48,700	20,156	19,578	21,154	21,119	21,239	21,034	21,706	20,639	53,867	53,486	53,670
356,167	0,198	0,201	0,462	0,123	0,353	48,660	20,213	21,733	21,163	21,131	21,270	21,062	21,726	20,655	53,868	53,471	53,662
356,333	0,198	0,201	0,462	0,124	0,354	48,590	20,191	19,326	21,137	21,105	21,225	21,034	21,700	20,634	53,839	53,467	53,645
356,500	0,198	0,201	0,462	0,122	0,353	48,588	20,198	23,737	21,172	21,133	21,246	21,045	21,718	20,655	53,871	53,459	53,634
356,667	0,199	0,201	0,462	0,122	0,350	48,456	20,115	17,084	21,062	21,038	21,152	20,960	21,624	20,568	53,828	53,435	53,607
356,833	0,198	0,201	0,462	0,123	0,357	48,577	20,299	16,300	21,238	21,208	21,319	21,121	21,790	20,731	53,852	53,456	53,621
357,000	0,199	0,201	0,462	0,121	0,354	48,421	20,186	16,265	21,119	21,074	21,205	21,030	21,670	20,610	53,777	53,413	53,599
357,167	0,199	0,201	0,462	0,123	0,352	48,364	20,160	16,648	21,101	21,063	21,181	20,993	21,665	20,594	53,792	53,404	53,585
357,333	0,199	0,201	0,462	0,121	0,349	48,338	20,157	20,882	21,087	21,069	21,191	21,005	21,656	20,596	53,774	53,394	53,570
357,500	0,198	0,201	0,462	0,122	0,357	48,331	20,195	22,701	21,133	21,106	21,214	21,022	21,676	20,625	53,774	53,400	53,564
357,667	0,199	0,201	0,462	0,121	0,360	48,287	20,192	17,258	21,107	21,078	21,196	21,020	21,665	20,620	53,747	53,381	53,546
357,833	0,198	0,201	0,462	0,120	0,354	48,265	20,225	19,534	21,144	21,114	21,233	21,054	21,712	20,650	53,758	53,394	53,544
358,000	0,198	0,201	0,462	0,121	0,355	48,153	20,136	24,187	21,064	21,030	21,155	20,951	21,633	20,565	53,760	53,352	53,516
358,167	0,198	0,201	0,462	0,121	0,349	48,199	20,225	18,343	21,132	21,100	21,224	21,023	21,687	20,638	53,731	53,350	53,526
358,333	0,198	0,201	0,462	0,121	0,360	48,068	20,148	21,300	21,058	21,045	21,178	20,961	21,620	20,568	53,710	53,325	53,507
358,500	0,199	0,201	0,462	0,120	0,358	48,085	20,228	17,949	21,110	21,072	21,209	21,022	21,664	20,624	53,683	53,333	53,499
358,667	0,199	0,201	0,462	0,120	0,357	48,003	20,150	23,609	21,058	21,033	21,146	20,957	21,624	20,566	53,676	53,310	53,479
358,833	0,199	0,201	0,462	0,120	0,357	47,954	20,145	18,690	21,052	21,021	21,140	20,960	21,621	20,564	53,664	53,299	53,460
359,000	0,198	0,201	0,462	0,120	0,356	47,958	20,173	20,215	21,088	21,035	21,168	20,984	21,644	20,588	53,650	53,287	53,456
359,167	0,198	0,201	0,462	0,120	0,357	47,899	20,138	19,381	21,063	21,018	21,157	20,943	21,616	20,565	53,644	53,270	53,444
359,333	0,199	0,201	0,462	0,119	0,353	47,900	20,170	23,907	21,112	21,057	21,206	20,989	21,676	20,614	53,617	53,264	53,434

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
353,500	53,631	0,771	0,790	185,230	367,293	-1,328	0,031	499,135	5,003	13,945	4,821	2017-09-18 15:27
353,667	53,624	0,771	0,790	183,813	361,179	-1,345	0,031	499,135	5,062	14,250	4,873	2017-09-18 15:27
353,834	53,616	0,770	0,790	182,698	385,678	-1,345	0,031	499,041	5,036	14,329	4,887	2017-09-18 15:27
354,000	53,607	0,771	0,790	183,818	365,992	-1,335	0,031	499,041	4,993	13,959	4,823	2017-09-18 15:28
354,167	53,591	0,771	0,790	186,263	345,868	-1,310	0,031	499,135	5,022	14,161	4,858	2017-09-18 15:28
354,334	53,579	0,771	0,790	185,056	350,606	-1,328	0,031	499,042	4,997	14,370	4,894	2017-09-18 15:28
354,500	53,573	0,770	0,789	171,554	352,659	-1,324	0,031	499,042	5,021	14,013	4,833	2017-09-18 15:28
354,667	53,564	0,770	0,789	173,929	369,337	-1,331	0,031	499,135	4,990	14,248	4,873	2017-09-18 15:28
354,834	53,550	0,771	0,790	178,818	351,716	-1,130	0,031	499,041	4,987	14,238	4,871	2017-09-18 15:28
355,000	53,536	0,771	0,790	179,992	364,669	-1,338	0,031	499,041	4,907	14,221	4,868	2017-09-18 15:29
355,167	53,529	0,770	0,790	170,294	382,230	-1,328	0,031	499,135	4,976	14,377	4,895	2017-09-18 15:29
355,334	53,514	0,771	0,790	176,386	347,082	-1,317	0,031	499,042	5,031	14,395	4,898	2017-09-18 15:29
355,500	53,506	0,772	0,790	177,692	343,889	-1,335	0,031	499,135	4,896	14,302	4,882	2017-09-18 15:29
355,667	53,505	0,772	0,791	176,609	357,095	-1,338	0,031	499,135	4,908	14,135	4,854	2017-09-18 15:29
355,834	53,500	0,771	0,790	165,519	345,912	-1,317	0,031	499,136	4,884	14,238	4,871	2017-09-18 15:29
356,000	53,484	0,770	0,789	168,855	336,210	-1,328	0,031	499,136	4,947	14,231	4,870	2017-09-18 15:30
356,167	53,473	0,770	0,789	171,321	350,327	-1,321	0,031	499,136	4,923	14,102	4,848	2017-09-18 15:30
356,333	53,466	0,771	0,789	161,582	328,360	-1,321	0,031	499,042	4,942	14,177	4,861	2017-09-18 15:30
356,500	53,457	0,770	0,789	160,369	363,327	-1,331	0,031	499,135	4,874	14,126	4,852	2017-09-18 15:30
356,667	53,435	0,771	0,790	155,527	347,095	-1,109	0,031	499,135	4,893	13,985	4,828	2017-09-18 15:30
356,833	53,439	0,771	0,790	164,078	349,569	-1,338	0,031	499,136	4,922	14,261	4,875	2017-09-18 15:30
357,000	53,413	0,771	0,790	168,935	321,295	-1,112	0,031	499,136	4,848	14,165	4,859	2017-09-18 15:31
357,167	53,409	0,771	0,789	159,053	342,417	-1,130	0,031	499,136	4,925	14,098	4,847	2017-09-18 15:31
357,333	53,398	0,769	0,789	155,301	334,807	-1,102	0,031	499,136	4,827	13,948	4,822	2017-09-18 15:31
357,500	53,389	0,770	0,790	159,078	330,438	-1,321	0,031	499,042	4,883	14,276	4,878	2017-09-18 15:31
357,667	53,379	0,770	0,789	150,541	323,354	-1,112	0,031	499,136	4,842	14,391	4,898	2017-09-18 15:31
357,833	53,375	0,771	0,790	152,982	321,115	-1,321	0,031	499,136	4,788	14,176	4,861	2017-09-18 15:31
358,000	53,351	0,770	0,790	149,379	359,965	-1,317	0,031	499,135	4,846	14,212	4,867	2017-09-18 15:32
358,167	53,354	0,770	0,790	155,344	336,409	-1,324	0,031	499,136	4,847	13,967	4,825	2017-09-18 15:32
358,333	53,331	0,770	0,789	158,793	339,890	-1,317	0,031	499,041	4,827	14,382	4,896	2017-09-18 15:32
358,500	53,327	0,769	0,789	155,251	308,936	-1,112	0,031	499,042	4,819	14,332	4,887	2017-09-18 15:32
358,667	53,311	0,770	0,789	151,600	323,476	-1,105	0,031	499,042	4,786	14,285	4,879	2017-09-18 15:32
358,833	53,296	0,770	0,789	147,875	322,007	-1,105	0,031	499,048	4,807	14,295	4,881	2017-09-18 15:32
359,000	53,291	0,770	0,790	149,217	319,819	-1,317	0,031	499,042	4,797	14,254	4,874	2017-09-18 15:33
359,167	53,277	0,770	0,789	150,236	330,447	-1,335	0,031	499,041	4,786	14,267	4,876	2017-09-18 15:33
359,333	53,269	0,770	0,789	149,089	311,482	-1,123	0,031	499,135	4,757	14,108	4,849	2017-09-18 15:33

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minuter	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
359,500	0,198	0,201	0,462	0,119	0,350	47,813	20,111	18,467	21,048	21,005	21,152	20,943	21,595	20,564	53,591	53,254	53,424
359,667	0,198	0,201	0,462	0,120	0,355	47,789	20,115	25,566	21,071	21,010	21,158	20,976	21,628	20,581	53,630	53,246	53,414
359,833	0,198	0,201	0,462	0,118	0,359	47,780	20,170	23,453	21,092	21,050	21,182	20,979	21,648	20,597	53,573	53,235	53,399
360,000	0,198	0,201	0,462	0,119	0,350	47,721	20,163	21,056	21,060	21,009	21,152	20,949	21,619	20,568	53,567	53,221	53,386
360,167	0,198	0,201	0,462	0,118	0,348	47,724	20,188	24,846	21,091	21,039	21,181	20,997	21,648	20,600	53,591	53,216	53,378
360,334	0,198	0,201	0,462	0,117	0,356	47,637	20,136	18,201	21,050	21,007	21,159	20,940	21,612	20,565	53,540	53,200	53,361
360,500	0,198	0,201	0,462	0,118	0,353	47,656	20,184	17,346	21,096	21,055	21,194	21,001	21,663	20,610	53,553	53,196	53,363
360,667	0,198	0,201	0,462	0,118	0,354	47,559	20,170	20,430	21,051	21,012	21,161	20,960	21,617	20,572	53,564	53,181	53,346
360,834	0,199	0,201	0,462	0,117	0,353	47,526	20,184	23,686	21,045	21,016	21,173	20,957	21,614	20,572	53,540	53,168	53,335
361,000	0,199	0,201	0,463	0,117	0,352	47,478	20,163	20,564	21,046	21,016	21,143	20,936	21,629	20,572	53,530	53,162	53,324
361,167	0,199	0,201	0,462	0,118	0,354	47,439	20,154	17,857	21,049	21,009	21,156	20,962	21,625	20,572	53,501	53,148	53,318
361,334	0,198	0,201	0,462	0,120	0,353	47,404	20,144	16,578	21,039	21,016	21,140	20,948	21,620	20,566	53,522	53,142	53,304
361,500	0,199	0,201	0,462	0,116	0,350	47,365	20,139	14,436	21,056	21,011	21,161	20,963	21,616	20,573	53,492	53,126	53,292
361,667	0,199	0,201	0,462	0,118	0,351	47,344	20,097	-5,955	21,015	20,994	21,153	20,943	21,620	20,565	53,490	53,117	53,283
361,834	0,199	0,201	0,463	0,117	0,355	47,324	20,108	12,697	21,047	20,999	21,148	20,935	21,615	20,566	53,457	53,106	53,273
362,000	0,199	0,201	0,462	0,118	0,360	47,274	20,149	20,251	21,038	21,003	21,149	20,959	21,627	20,572	53,445	53,103	53,259
362,167	0,199	0,201	0,462	0,119	0,355	47,237	20,110	14,154	21,032	21,002	21,133	20,948	21,602	20,566	53,437	53,090	53,245
362,334	0,199	0,201	0,463	0,117	0,354	47,194	20,056	19,835	21,033	20,992	21,149	20,949	21,616	20,565	53,392	53,075	53,238
362,500	0,199	0,201	0,462	0,117	0,353	47,143	20,094	22,350	21,042	20,988	21,149	20,949	21,616	20,565	53,406	53,063	53,225
362,667	0,199	0,201	0,462	0,117	0,351	47,133	20,095	16,167	21,026	20,988	21,148	20,943	21,604	20,566	53,396	53,054	53,208
362,834	0,199	0,201	0,462	0,115	0,353	47,066	20,061	21,439	21,022	20,991	21,129	20,939	21,612	20,565	53,388	53,039	53,194
363,000	0,199	0,201	0,465	0,117	0,350	47,053	20,122	23,572	21,030	20,991	21,148	20,955	21,620	20,572	53,344	53,031	53,186
363,167	0,199	0,201	0,464	0,116	0,357	47,038	20,127	16,286	21,020	20,994	21,129	20,947	21,595	20,565	53,386	53,019	53,170
363,333	0,198	0,201	0,464	0,116	0,354	47,002	20,136	23,791	21,024	20,981	21,139	20,948	21,594	20,569	53,331	53,012	53,154
363,500	0,199	0,201	0,468	0,116	0,352	46,970	20,152	18,574	21,020	20,990	21,139	20,938	21,602	20,568	53,342	53,000	53,155
363,667	0,198	0,201	0,462	0,114	0,349	46,952	20,144	19,518	21,026	20,990	21,127	20,948	21,612	20,565	53,332	52,991	53,139
363,833	0,198	0,201	0,462	0,114	0,352	46,916	20,153	23,350	21,036	20,979	21,132	20,938	21,614	20,569	53,323	52,975	53,124
364,000	0,198	0,201	0,461	0,113	0,362	46,872	20,176	65,905	21,026	20,973	21,127	20,940	21,595	20,566	53,312	52,969	53,120

Froling_PE135kw_170918_matning_cat III.DAT

Category: III

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Tidpunkt
Minuter	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Klockan
359,500	53,259	0,770	0,789	149,019	297,274	-1,331	0,031	499,041	4,766	14,012	4,833	2017-09-18 15:33
359,667	53,253	0,770	0,790	145,425	338,931	-1,331	0,031	499,136	4,788	14,185	4,862	2017-09-18 15:33
359,833	53,239	0,770	0,790	145,403	298,776	-1,331	0,031	499,041	4,719	14,363	4,893	2017-09-18 15:33
360,000	53,228	0,771	0,790	143,029	304,809	-1,331	0,031	499,041	4,748	14,001	4,831	2017-09-18 15:34
360,167	53,225	0,770	0,789	138,031	330,718	-1,331	0,031	499,135	4,706	13,928	4,818	2017-09-18 15:34
360,334	53,209	0,770	0,790	136,876	299,850	-1,338	0,031	499,136	4,670	14,259	4,875	2017-09-18 15:34
360,500	53,200	0,770	0,789	147,603	315,318	-1,335	0,031	499,135	4,727	14,113	4,850	2017-09-18 15:34
360,667	53,189	0,770	0,788	141,429	337,566	-1,338	0,031	499,135	4,704	14,170	4,860	2017-09-18 15:34
360,834	53,177	0,769	0,789	142,718	328,055	-1,133	0,031	499,136	4,697	14,131	4,853	2017-09-18 15:34
361,000	53,166	0,769	0,789	142,716	324,404	-1,154	0,031	499,229	4,685	14,071	4,843	2017-09-18 15:35
361,167	53,154	0,771	0,789	147,558	311,962	-1,133	0,031	499,135	4,708	14,178	4,861	2017-09-18 15:35
361,334	53,144	0,770	0,789	145,170	335,585	-1,328	0,031	499,136	4,793	14,120	4,851	2017-09-18 15:35
361,500	53,136	0,770	0,789	141,508	322,563	-1,123	0,031	499,135	4,632	14,020	4,834	2017-09-18 15:35
361,667	53,125	0,771	0,790	142,768	329,764	-1,123	0,031	499,136	4,720	14,032	4,836	2017-09-18 15:35
361,834	53,114	0,770	0,790	143,932	309,471	-1,130	0,031	499,229	4,699	14,219	4,868	2017-09-18 15:35
362,000	53,106	0,770	0,789	137,717	301,140	-1,130	0,033	499,135	4,714	14,398	4,899	2017-09-18 15:36
362,167	53,094	0,770	0,789	136,535	305,744	-1,133	0,032	499,135	4,753	14,208	4,866	2017-09-18 15:36
362,334	53,083	0,770	0,789	140,166	279,939	-1,130	0,031	499,323	4,673	14,141	4,855	2017-09-18 15:36
362,500	53,074	0,770	0,789	136,517	302,504	-1,144	0,031	499,041	4,685	14,122	4,851	2017-09-18 15:36
362,667	53,061	0,770	0,789	132,813	302,485	-1,126	0,031	499,135	4,665	14,030	4,836	2017-09-18 15:36
362,834	53,051	0,771	0,790	129,244	308,538	-1,116	0,031	499,042	4,580	14,137	4,854	2017-09-18 15:36
363,000	53,045	0,771	0,789	127,969	276,651	-1,137	0,031	499,651	4,700	14,011	4,832	2017-09-18 15:37
363,167	53,030	0,770	0,789	126,652	323,838	-1,116	0,031	499,531	4,649	14,270	4,877	2017-09-18 15:37
363,333	53,018	0,770	0,789	123,080	281,012	-1,342	0,031	499,557	4,649	14,162	4,858	2017-09-18 15:37
363,500	53,010	0,770	0,789	131,514	301,362	-1,119	0,031	500,257	4,622	14,095	4,847	2017-09-18 15:37
363,667	53,005	0,770	0,790	121,856	301,324	-1,310	0,031	499,136	4,570	13,975	4,826	2017-09-18 15:37
363,833	52,992	0,770	0,789	119,302	307,358	-1,307	0,031	499,042	4,541	14,076	4,843	2017-09-18 15:37
364,000	52,980	0,769	0,789	126,522	302,178	-1,321	0,031	498,948	4,539	14,500	4,916	2017-09-18 15:38

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

Configuration file: C:\Data Collection\Configuration\EPA testing.KONF

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	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,199	0,202	0,519	0,094	0,306	42,786	18,974	22,905	-17,699	25,244	19,285	19,572	19,940	19,274	37,755	35,833	36,796
0,230	0,199	0,202	0,519	0,107	0,312	44,195	18,958	23,114	-16,463	20,774	19,295	19,578	19,934	19,277	38,056	35,909	37,024
0,334	0,199	0,202	0,524	0,107	0,311	44,878	18,948	23,188	-19,118	20,061	19,298	19,591	19,957	19,278	38,327	35,948	37,146
0,500	0,199	0,202	0,519	0,100	0,304	45,962	18,980	23,319	-14,620	22,023	19,299	19,593	19,932	19,278	38,594	36,000	37,307
0,667	0,199	0,202	0,526	0,104	0,307	47,083	19,008	23,477	-16,332	16,848	19,285	19,591	19,947	19,279	38,796	36,054	37,494
0,834	0,199	0,202	0,521	0,115	0,313	48,232	18,961	23,598	-17,121	18,120	19,298	19,584	19,942	19,282	39,163	36,112	37,685
1,000	0,199	0,202	0,519	0,104	0,304	49,444	18,954	23,727	-16,772	21,903	19,295	19,592	19,949	19,281	39,696	36,170	37,958
1,167	0,199	0,202	0,519	0,113	0,305	50,680	18,953	23,856	-15,861	26,327	19,305	19,590	19,940	19,285	40,093	36,253	38,171
1,334	0,199	0,202	0,518	0,120	0,305	51,783	18,967	24,019	-13,818	30,586	19,299	19,590	19,949	19,283	40,170	36,324	38,474
1,500	0,199	0,202	0,519	0,124	0,301	52,971	18,949	24,180	-18,047	12,185	19,290	19,591	19,949	19,287	40,582	36,417	38,667
1,667	0,199	0,202	0,519	0,136	0,300	54,240	18,970	24,306	-13,872	26,793	19,305	19,579	19,950	19,286	41,085	36,483	38,955
1,834	0,199	0,202	0,519	0,141	0,301	55,341	18,944	24,460	-15,457	20,738	19,302	19,597	19,946	19,286	41,638	36,571	39,241
2,000	0,199	0,202	0,519	0,143	0,299	56,613	18,949	24,621	-15,443	21,394	19,299	19,590	19,945	19,286	42,261	36,667	39,559
2,167	0,199	0,202	0,518	0,137	0,296	57,644	18,869	24,733	-14,214	20,886	19,289	19,595	19,958	19,289	42,401	36,767	39,898
2,334	0,199	0,202	0,519	0,153	0,303	58,778	18,852	24,898	-15,221	13,726	19,297	19,583	19,957	19,291	43,012	36,879	40,344
2,500	0,199	0,202	0,518	0,159	0,298	59,917	18,872	25,052	-15,900	20,414	19,298	19,604	19,952	19,291	43,464	37,021	40,697
2,667	0,199	0,202	0,518	0,153	0,298	60,970	18,866	25,196	-16,145	17,943	19,306	19,591	19,953	19,294	43,966	37,138	41,059
2,833	0,199	0,202	0,518	0,161	0,301	61,937	18,905	25,320	-16,057	23,303	19,302	19,596	19,949	19,294	44,597	37,258	41,403
3,000	0,199	0,202	0,516	0,150	0,298	62,785	18,881	25,468	-15,944	20,057	19,293	19,607	19,944	19,295	44,888	37,378	41,725
3,167	0,199	0,202	0,516	0,147	0,298	64,047	18,847	25,610	-17,278	13,772	19,304	19,586	19,954	19,295	45,444	37,493	42,082
3,333	0,199	0,202	0,516	0,158	0,297	65,382	18,887	25,740	-16,216	20,174	19,288	19,604	19,957	19,297	45,989	37,615	42,384
3,500	0,199	0,202	0,515	0,171	0,298	66,414	18,846	25,918	-13,702	26,761	19,306	19,590	19,950	19,299	46,424	37,727	42,738
3,667	0,199	0,202	0,515	0,180	0,299	67,550	18,854	26,035	-15,504	18,405	19,309	19,602	19,966	19,301	46,662	37,848	43,361
3,833	0,199	0,202	0,515	0,176	0,299	68,545	18,892	26,193	-16,668	14,375	19,302	19,611	19,960	19,302	47,556	38,038	43,701
4,000	0,199	0,202	0,515	0,175	0,298	69,567	18,909	26,374	-12,875	26,728	19,313	19,609	19,978	19,303	47,972	38,170	43,959
4,167	0,199	0,202	0,515	0,177	0,303	70,774	18,807	26,518	-16,261	16,315	19,311	19,592	19,960	19,302	48,548	38,273	44,331
4,333	0,199	0,202	0,515	0,186	0,297	71,976	18,841	26,704	-14,268	28,542	19,312	19,615	19,954	19,305	49,031	38,405	44,762
4,500	0,199	0,202	0,514	0,187	0,298	73,170	18,845	26,824	-14,569	23,627	19,299	19,603	19,965	19,309	49,806	38,559	45,190
4,667	0,199	0,202	0,514	0,186	0,295	74,106	18,824	26,985	-17,086	12,869	19,314	19,615	19,947	19,307	50,124	38,712	45,589
4,833	0,199	0,202	0,514	0,199	0,292	75,134	18,786	27,048	-14,686	21,135	19,317	19,604	19,961	19,307	51,812	38,862	46,060
5,000	0,199	0,202	0,514	0,202	0,298	76,276	18,896	27,180	-14,584	26,443	19,322	19,607	19,978	19,311	51,243	39,031	46,550
5,167	0,199	0,202	0,514	0,199	0,298	77,530	18,901	27,367	-21,229	10,177	19,312	19,614	19,973	19,310	51,144	39,208	47,115
5,333	0,199	0,202	0,514	0,214	0,295	78,816	18,879	27,476	-14,245	25,473	19,305	19,610	19,965	19,311	52,442	39,407	47,311

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	35,435	17,300	17,058	26785,387	38355,462	0,038	0,041	509,827	3,771	12,226	4,514	2017-09-15 08:20
0,230	35,431	1,002	1,018	1871,973	2481,640	0,038	0,041	509,827	4,283	12,461	4,557	2017-09-15 08:20
0,334	35,431	1,001	1,019	2015,070	2746,408	0,058	0,041	510,764	4,272	12,450	4,555	2017-09-15 08:20
0,500	35,433	1,003	1,019	2203,532	2999,402	0,048	0,041	509,839	4,019	12,151	4,500	2017-09-15 08:20
0,667	35,433	1,002	1,020	2424,336	3168,065	0,045	0,040	511,045	4,155	12,281	4,524	2017-09-15 08:20
0,834	35,433	1,003	1,018	2645,082	3529,374	0,048	0,040	510,155	4,611	12,504	4,565	2017-09-15 08:20
1,000	35,435	1,003	1,019	2964,079	4077,304	0,041	0,040	509,733	4,154	12,150	4,500	2017-09-15 08:21
1,167	35,439	1,002	1,018	3207,179	4435,150	0,031	0,040	509,827	4,528	12,211	4,511	2017-09-15 08:21
1,334	35,439	1,003	1,020	3570,789	4448,087	0,045	0,040	509,639	4,814	12,216	4,512	2017-09-15 08:21
1,500	35,444	1,002	1,020	3791,072	4813,876	0,031	0,040	509,827	4,976	12,053	4,482	2017-09-15 08:21
1,667	35,451	1,003	1,019	4118,418	5322,829	0,062	0,040	509,733	5,446	11,996	4,471	2017-09-15 08:21
1,834	35,460	1,002	1,020	4446,735	5853,470	0,065	0,040	509,798	5,656	12,028	4,477	2017-09-15 08:21
2,000	35,470	1,001	1,019	4805,228	6458,874	0,058	0,040	509,827	5,735	11,962	4,465	2017-09-15 08:22
2,167	35,483	1,001	1,019	5189,080	6504,780	0,058	0,040	509,640	5,483	11,827	4,440	2017-09-15 08:22
2,334	35,499	1,003	1,018	5691,700	7089,756	0,058	0,040	509,827	6,131	12,139	4,498	2017-09-15 08:22
2,500	35,519	1,003	1,020	6089,866	7449,499	0,045	0,041	509,546	6,343	11,933	4,460	2017-09-15 08:22
2,667	35,536	1,003	1,019	6489,891	7892,748	0,048	0,040	509,640	6,109	11,928	4,459	2017-09-15 08:22
2,833	35,555	1,002	1,021	6883,774	8480,320	0,031	0,040	509,546	6,449	12,031	4,478	2017-09-15 08:22
3,000	35,574	1,002	1,019	7228,794	8676,462	0,041	0,040	509,266	6,001	11,919	4,457	2017-09-15 08:23
3,167	35,599	1,001	1,020	7626,094	9178,028	-0,167	0,040	509,266	5,875	11,921	4,457	2017-09-15 08:23
3,333	35,620	1,002	1,019	7951,938	9677,021	0,048	0,041	509,266	6,321	11,894	4,452	2017-09-15 08:23
3,500	35,644	1,002	1,019	8336,951	10049,415	0,038	0,041	509,121	6,855	11,931	4,459	2017-09-15 08:23
3,667	35,672	1,004	1,020	9046,028	10199,476	-0,147	0,040	509,120	7,203	11,948	4,462	2017-09-15 08:23
3,833	35,704	1,002	1,021	9414,068	10997,505	-0,150	0,040	509,121	7,052	11,945	4,462	2017-09-15 08:23
4,000	35,738	1,002	1,019	9666,365	11323,034	-0,171	0,040	509,120	7,017	11,926	4,458	2017-09-15 08:24
4,167	35,776	1,002	1,020	10062,991	11870,606	-0,160	0,041	509,027	7,099	12,130	4,496	2017-09-15 08:24
4,333	35,816	1,003	1,021	10535,909	12278,039	-0,150	0,041	509,027	7,438	11,881	4,450	2017-09-15 08:24
4,500	35,862	1,003	1,022	10993,662	12999,499	-0,171	0,040	508,933	7,500	11,923	4,458	2017-09-15 08:24
4,667	35,909	1,002	1,021	11404,297	13180,570	-0,164	0,040	508,933	7,442	11,799	4,434	2017-09-15 08:24
4,833	35,954	1,004	1,021	11902,544	14978,002	-0,171	0,041	508,933	7,946	11,672	4,411	2017-09-15 08:24
5,000	36,009	1,004	1,023	12432,826	14121,238	-0,154	0,040	508,840	8,091	11,934	4,460	2017-09-15 08:25
5,167	36,067	1,003	1,022	13027,882	13794,811	-0,164	0,040	508,840	7,948	11,912	4,456	2017-09-15 08:25
5,333	36,133	1,003	1,022	13180,510	15064,883	-0,160	0,040	508,840	8,560	11,806	4,436	2017-09-15 08:25

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
5,500	0,199	0,202	0,555	0,208	0,303	79,882	18,893	27,631	-16,039	10,170	19,314	19,618	19,965	19,314	52,999	39,516	47,500
5,667	0,199	0,202	0,555	0,208	0,298	80,816	18,831	27,738	-14,551	18,281	19,309	19,602	19,961	19,313	53,494	39,624	48,026
5,833	0,199	0,202	0,555	0,207	0,302	81,848	18,815	27,832	-12,973	26,151	19,325	19,620	19,974	19,317	54,106	39,805	48,484
6,000	0,199	0,202	0,554	0,211	0,298	82,834	18,850	27,922	-13,234	19,003	19,331	19,624	19,977	19,319	54,939	39,984	48,902
6,167	0,199	0,202	0,554	0,218	0,301	83,765	18,790	28,021	-17,549	7,748	19,314	19,619	19,973	19,315	55,002	40,155	49,515
6,333	0,199	0,202	0,554	0,217	0,301	84,689	18,695	28,174	-14,589	20,666	19,320	19,637	19,987	19,319	55,027	40,373	49,904
6,500	0,199	0,202	0,554	0,224	0,301	85,745	18,776	28,289	-15,282	15,804	19,326	19,610	19,981	19,322	55,929	40,545	50,160
6,667	0,199	0,202	0,553	0,231	0,297	86,651	18,762	28,374	-15,424	19,026	19,328	19,640	19,980	19,323	57,149	40,671	50,511
6,834	0,199	0,202	0,553	0,218	0,299	87,341	18,856	28,492	-14,934	24,924	19,324	19,622	19,980	19,325	56,794	40,828	50,903
7,000	0,199	0,202	0,553	0,232	0,290	88,205	18,853	28,568	-12,000	19,532	19,325	19,618	19,976	19,326	57,114	41,005	51,485
7,167	0,199	0,202	0,553	0,241	0,284	89,137	18,840	28,768	-16,730	12,011	19,320	19,627	19,981	19,333	57,722	41,225	51,637
7,334	0,199	0,202	0,553	0,227	0,282	90,045	18,834	28,956	-16,976	15,283	19,316	19,647	19,985	19,330	58,339	41,340	51,951
7,500	0,199	0,202	0,552	0,240	0,281	90,961	18,828	28,995	-13,620	23,042	19,330	19,635	19,984	19,329	58,689	41,490	52,262
7,667	0,199	0,202	0,553	0,239	0,281	91,604	18,720	28,977	-15,943	12,880	19,326	19,615	19,984	19,329	59,376	41,649	52,626
7,834	0,199	0,202	0,552	0,236	0,300	92,136	18,821	29,019	-16,938	14,645	19,328	19,626	19,991	19,330	59,451	41,824	53,178
8,000	0,199	0,202	0,552	0,245	0,300	92,807	18,843	29,076	-13,069	25,970	19,337	19,631	19,986	19,333	59,671	42,042	53,521
8,167	0,199	0,202	0,552	0,244	0,298	93,534	18,882	29,205	-13,824	23,810	19,348	19,648	20,021	19,350	59,895	42,229	53,762
8,334	0,199	0,202	0,552	0,239	0,301	94,129	18,869	29,329	-14,925	20,483	19,352	19,656	20,010	19,356	59,872	42,385	54,016
8,500	0,199	0,202	0,551	0,244	0,300	94,618	18,793	29,431	-17,270	12,724	19,342	19,635	19,990	19,334	60,450	42,527	54,230
8,667	0,199	0,202	0,551	0,249	0,304	95,243	18,698	29,529	-11,563	30,984	19,340	19,649	19,988	19,338	61,143	42,663	54,406
8,834	0,199	0,202	0,551	0,252	0,305	95,788	18,738	29,597	-14,261	19,198	19,316	19,645	19,982	19,337	61,561	42,796	54,754
9,000	0,199	0,202	0,551	0,246	0,304	96,312	18,783	29,694	-16,182	12,897	19,325	19,630	19,994	19,339	62,573	42,971	55,132
9,167	0,199	0,202	0,551	0,247	0,305	97,063	18,670	29,817	-16,373	12,449	19,326	19,630	19,982	19,333	61,876	43,162	55,505
9,333	0,199	0,202	0,551	0,256	0,301	97,775	18,746	29,904	-15,051	29,415	19,337	19,647	20,004	19,346	62,389	43,363	55,852
9,500	0,199	0,202	0,550	0,251	0,304	98,383	18,787	30,048	-13,674	22,988	19,344	19,643	19,996	19,346	62,580	43,550	55,940
9,667	0,199	0,202	0,550	0,253	0,304	98,997	18,728	30,127	-14,890	17,202	19,334	19,649	19,993	19,341	63,387	43,669	56,142
9,833	0,199	0,202	0,550	0,255	0,342	99,730	18,789	30,202	-16,089	12,021	19,344	19,655	19,992	19,349	63,478	43,820	56,807
10,000	0,199	0,202	0,550	0,257	0,350	100,137	18,745	30,256	-13,386	22,601	19,332	19,644	19,997	19,350	63,189	44,078	56,866
10,167	0,199	0,202	0,550	0,262	0,358	100,561	18,747	30,323	-16,667	12,426	19,323	19,640	19,988	19,341	63,537	44,217	57,048
10,333	0,199	0,202	0,550	0,262	0,357	101,186	18,759	30,382	-16,750	10,345	19,332	19,638	19,996	19,342	64,238	44,365	57,253
10,500	0,199	0,202	0,550	0,259	0,321	101,693	18,736	30,496	-14,770	19,104	19,337	19,634	20,000	19,346	64,741	44,522	57,501
10,667	0,199	0,202	0,549	0,268	0,297	102,044	18,778	30,553	-15,547	17,961	19,352	19,639	20,001	19,346	64,756	44,686	57,776
10,833	0,199	0,202	0,549	0,256	0,298	102,576	18,753	30,638	-16,439	10,894	19,341	19,642	20,006	19,347	64,935	44,856	58,152
11,000	0,199	0,202	0,549	0,261	0,300	103,003	18,659	30,721	-16,179	22,513	19,345	19,651	19,987	19,346	64,950	45,062	58,308
11,167	0,199	0,202	0,549	0,267	0,180	103,454	18,697	30,837	-11,773	33,345	19,345	19,644	20,000	19,353	65,745	45,230	58,517
11,333	0,199	0,202	0,549	0,279	0,114	103,943	18,670	30,960	-15,933	15,237	19,336	19,639	20,015	19,349	65,904	45,389	58,713

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
5,500	36,193	1,002	1,021	13317,366	15567,521	-0,178	0,040	516,532	8,338	12,121	4,495	2017-09-15 08:25
5,667	36,260	1,003	1,021	13851,289	16022,942	-0,171	0,040	516,532	8,337	11,940	4,461	2017-09-15 08:25
5,833	36,326	1,002	1,022	14335,827	16509,340	-0,164	0,040	516,532	8,263	12,081	4,487	2017-09-15 08:25
6,000	36,400	1,003	1,022	14734,241	17282,372	-0,178	0,039	516,438	8,444	11,930	4,459	2017-09-15 08:26
6,167	36,472	1,003	1,024	15397,470	17153,765	-0,199	0,040	516,438	8,714	12,056	4,482	2017-09-15 08:26
6,333	36,548	1,004	1,025	15781,220	16939,532	-0,171	0,041	516,345	8,668	12,060	4,483	2017-09-15 08:26
6,500	36,631	1,002	1,024	15978,263	17762,428	-0,178	0,041	516,345	8,977	12,060	4,483	2017-09-15 08:26
6,667	36,719	1,002	1,024	16287,932	19024,292	-0,164	0,040	516,250	9,222	11,896	4,453	2017-09-15 08:26
6,834	36,808	1,003	1,024	16647,846	18443,812	-0,171	0,040	516,250	8,725	11,950	4,463	2017-09-15 08:26
7,000	36,896	1,002	1,024	17225,809	18595,961	-0,167	0,040	516,251	9,284	11,596	4,396	2017-09-15 08:27
7,167	36,991	1,003	1,025	17309,370	19054,103	-0,174	0,041	516,157	9,634	11,365	4,352	2017-09-15 08:27
7,334	37,091	1,002	1,025	17567,148	19619,649	-0,171	0,040	516,157	9,083	11,281	4,336	2017-09-15 08:27
7,500	37,197	1,003	1,026	17821,692	19864,849	-0,164	0,041	516,063	9,612	11,256	4,331	2017-09-15 08:27
7,667	37,302	1,004	1,028	18159,188	20484,865	-0,164	0,040	516,157	9,574	11,256	4,331	2017-09-15 08:27
7,834	37,417	1,004	1,027	18671,092	20369,752	-0,154	0,040	516,063	9,438	12,004	4,473	2017-09-15 08:27
8,000	37,532	1,004	1,027	18937,436	20370,311	-0,167	0,040	516,063	9,785	11,989	4,470	2017-09-15 08:28
8,167	37,651	1,004	1,027	19078,505	20429,802	-0,171	0,040	515,971	9,749	11,924	4,458	2017-09-15 08:28
8,334	37,761	1,003	1,028	19274,410	20201,436	-0,167	0,040	515,971	9,554	12,036	4,479	2017-09-15 08:28
8,500	37,876	1,003	1,029	19393,629	20691,218	-0,188	0,040	515,828	9,746	12,011	4,474	2017-09-15 08:28
8,667	37,999	1,003	1,028	19435,932	21329,018	-0,178	0,040	515,829	9,965	12,144	4,499	2017-09-15 08:28
8,834	38,122	1,004	1,029	19729,540	21679,230	-0,188	0,040	515,829	10,082	12,194	4,508	2017-09-15 08:28
9,000	38,258	1,004	1,029	20012,897	22649,452	-0,171	0,040	515,828	9,854	12,152	4,500	2017-09-15 08:29
9,167	38,397	1,004	1,029	20299,075	21621,845	-0,164	0,040	515,735	9,896	12,185	4,507	2017-09-15 08:29
9,333	38,532	1,003	1,030	20554,106	21962,821	-0,185	0,040	515,735	10,255	12,040	4,480	2017-09-15 08:29
9,500	38,668	1,003	1,031	20527,965	21963,453	-0,386	0,040	515,642	10,055	12,176	4,505	2017-09-15 08:29
9,667	38,807	1,004	1,033	20640,474	22783,607	-0,174	0,041	515,642	10,138	12,145	4,499	2017-09-15 08:29
9,833	38,957	1,004	1,032	21233,260	22718,410	-0,181	0,040	515,642	10,197	13,668	4,773	2017-09-15 08:29
10,000	39,102	1,003	1,032	21137,434	22052,778	-0,181	0,040	515,641	10,288	13,992	4,829	2017-09-15 08:30
10,167	39,243	1,003	1,033	21198,501	22293,289	-0,174	0,040	515,547	10,482	14,327	4,887	2017-09-15 08:30
10,333	39,379	1,004	1,034	21290,855	22950,725	-0,178	0,040	515,548	10,468	14,287	4,880	2017-09-15 08:30
10,500	39,526	1,004	1,034	21421,680	23356,302	-0,192	0,040	515,548	10,378	12,820	4,622	2017-09-15 08:30
10,667	39,677	1,005	1,035	21593,316	23201,301	-0,188	0,040	515,454	10,714	11,873	4,448	2017-09-15 08:30
10,833	39,837	1,004	1,035	21837,001	23195,238	-0,178	0,040	515,454	10,221	11,925	4,458	2017-09-15 08:30
11,000	39,992	1,005	1,035	21838,245	22985,130	-0,164	0,040	515,454	10,431	11,999	4,472	2017-09-15 08:31
11,167	40,151	1,005	1,035	21906,431	23708,228	-0,185	0,040	515,360	10,695	7,198	3,464	2017-09-15 08:31
11,333	40,301	1,004	1,035	21956,181	23696,768	-0,171	0,040	515,361	11,157	4,550	2,754	2017-09-15 08:31

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
11,500	0,199	0,202	0,549	0,281	0,105	104,369	18,606	31,047	-17,378	11,390	19,350	19,648	20,010	19,353	65,883	45,549	58,980
11,667	0,199	0,202	0,549	0,281	0,101	104,928	18,702	31,142	-13,577	31,939	19,336	19,643	19,998	19,347	66,271	45,720	59,176
11,833	0,199	0,202	0,548	0,274	0,231	105,324	18,757	31,236	-15,839	17,740	19,345	19,648	19,998	19,353	66,493	45,881	59,394
12,000	0,199	0,202	0,548	0,274	0,344	105,878	18,782	31,286	-16,113	10,244	19,349	19,659	20,017	19,355	66,671	46,055	59,562
12,167	0,199	0,202	0,548	0,289	0,363	106,392	18,801	31,395	-14,903	22,641	19,348	19,652	20,006	19,354	66,947	46,207	59,870
12,333	0,199	0,202	0,548	0,284	0,363	106,738	18,706	31,437	-13,482	24,676	19,343	19,660	20,008	19,354	67,279	46,403	60,005
12,500	0,199	0,202	0,547	0,285	0,353	107,172	18,682	31,448	-14,338	20,983	19,335	19,656	20,001	19,354	67,730	46,558	60,374
12,667	0,199	0,202	0,547	0,282	0,346	107,409	18,710	31,466	-14,397	21,044	19,348	19,651	20,004	19,354	68,090	46,751	60,674
12,833	0,199	0,202	0,547	0,288	0,343	107,724	18,735	31,576	-13,686	25,426	19,349	19,654	20,021	19,362	68,231	46,949	60,997
13,000	0,199	0,202	0,547	0,281	0,343	108,060	18,788	31,644	-16,011	15,805	19,345	19,662	20,018	19,360	68,414	47,147	61,162
13,167	0,199	0,202	0,547	0,286	0,304	108,404	18,796	31,717	-18,502	7,913	19,352	19,648	20,021	19,360	68,362	47,320	61,268
13,334	0,199	0,202	0,547	0,284	0,123	108,723	18,786	31,777	-10,387	28,420	19,366	19,666	20,001	19,363	68,503	47,470	61,489
13,500	0,199	0,202	0,547	0,290	0,099	109,002	18,807	31,824	-29,564	43,982	19,349	19,650	20,008	19,363	68,729	47,640	61,548
13,667	0,199	0,202	0,547	0,282	0,092	109,355	18,833	31,852	-15,490	15,733	19,356	19,654	20,021	19,360	68,791	47,771	61,687
13,834	0,199	0,202	0,546	0,290	0,094	109,578	18,862	31,917	-20,264	13,852	19,339	19,660	20,013	19,362	69,228	47,922	61,859
14,000	0,199	0,202	0,546	0,288	0,317	109,902	18,877	31,987	-12,082	31,974	19,358	19,649	20,008	19,364	69,275	48,094	62,135
14,167	0,199	0,202	0,546	0,295	0,351	110,126	18,952	32,050	24,392	-96,926	19,364	19,659	20,018	19,363	69,375	48,278	62,330
14,334	0,199	0,202	0,546	0,293	0,359	110,575	18,972	32,072	-17,996	15,375	19,357	19,662	20,018	19,367	69,621	48,450	62,473
14,500	0,199	0,202	0,546	0,291	0,356	110,977	18,986	32,153	-16,042	14,145	19,351	19,668	20,033	19,366	69,736	48,609	62,684
14,667	0,199	0,202	0,546	0,302	0,318	111,407	19,020	32,242	-15,552	18,656	19,358	19,664	20,001	19,367	69,891	48,778	62,809
14,834	0,199	0,202	0,545	0,300	0,305	111,793	19,044	32,339	-24,451	14,767	19,366	19,677	20,024	19,371	70,308	48,941	62,908
15,000	0,199	0,202	0,545	0,302	0,306	112,128	19,041	32,372	-14,930	16,801	19,360	19,670	20,020	19,371	70,762	49,087	63,161
15,269	0,199	0,202	0,545	0,291	0,209	112,551	18,916	32,364	-16,428	17,213	19,368	19,679	20,030	19,376	71,122	49,388	63,563
15,334	0,199	0,202	0,545	0,300	0,150	112,655	18,971	32,353	-12,522	21,329	19,378	19,680	20,034	19,383	71,176	49,452	63,647
15,500	0,199	0,202	0,545	0,294	0,104	113,065	19,058	32,425	-15,974	14,734	19,364	19,657	20,021	19,375	71,307	49,631	63,897
15,667	0,199	0,202	0,545	0,297	0,097	113,353	19,054	32,469	-17,143	11,916	19,368	19,678	20,033	19,386	71,748	49,818	64,083
15,834	0,199	0,202	0,545	0,299	0,095	113,884	19,063	32,549	-14,735	23,669	19,380	19,667	20,029	19,379	71,861	49,999	64,366
16,000	0,199	0,202	0,544	0,299	0,259	114,213	19,058	32,576	-14,718	24,411	19,369	19,662	20,026	19,380	72,308	50,204	64,657
16,167	0,199	0,202	0,544	0,295	0,330	114,632	19,069	32,654	-17,842	11,771	19,377	19,687	20,038	19,388	72,284	50,399	64,837
16,333	0,199	0,202	0,544	0,291	0,342	114,964	19,049	32,738	-16,162	16,446	19,397	19,698	20,056	19,403	72,772	50,579	65,079
16,500	0,199	0,202	0,544	0,301	0,343	115,332	19,046	32,774	-20,901	11,318	19,396	19,703	20,045	19,407	73,087	50,762	65,341
16,667	0,199	0,202	0,544	0,302	0,339	115,618	19,049	32,803	-16,229	27,877	19,380	19,687	20,038	19,399	73,181	50,950	65,663
16,833	0,199	0,202	0,544	0,303	0,340	116,102	19,037	32,898	-16,350	20,156	19,371	19,678	20,038	19,394	73,507	51,146	65,894
17,000	0,199	0,202	0,543	0,300	0,339	116,230	19,061	32,900	-15,586	16,665	19,357	19,678	20,040	19,384	73,746	51,327	66,137
17,167	0,199	0,202	0,543	0,316	0,345	116,516	19,045	32,934	-15,429	20,127	19,364	19,669	20,034	19,387	74,106	51,506	66,354
17,333	0,199	0,202	0,543	0,316	0,216	116,795	19,027	32,925	-13,627	23,347	19,386	19,674	20,057	19,388	74,229	51,689	66,555

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
11,500	40,455	1,005	1,037	22126,904	23500,400	-0,171	0,040	515,360	11,224	4,181	2,640	2017-09-15 08:31
11,667	40,611	1,004	1,038	22195,755	23733,786	-0,167	0,040	515,360	11,223	4,058	2,601	2017-09-15 08:31
11,833	40,773	1,004	1,037	22246,971	23809,353	-0,369	0,040	515,267	10,961	9,240	3,924	2017-09-15 08:31
12,000	40,936	1,004	1,039	22281,250	23814,661	-0,157	0,040	515,267	10,967	13,747	4,787	2017-09-15 08:32
12,167	41,098	1,004	1,039	22466,446	23953,661	-0,372	0,040	515,267	11,554	14,516	4,919	2017-09-15 08:32
12,333	41,256	1,005	1,039	22438,126	24115,000	-0,355	0,040	515,267	11,370	14,517	4,919	2017-09-15 08:32
12,500	41,413	1,005	1,039	22692,151	24455,182	-0,157	0,041	515,121	11,391	14,139	4,854	2017-09-15 08:32
12,667	41,586	1,005	1,041	22881,606	24651,491	-0,129	0,041	515,121	11,280	13,841	4,803	2017-09-15 08:32
12,833	41,764	1,004	1,040	23027,956	24554,965	-0,352	0,041	515,120	11,505	13,723	4,782	2017-09-15 08:32
13,000	41,925	1,005	1,041	23068,252	24575,646	-0,171	0,040	515,120	11,222	13,710	4,780	2017-09-15 08:33
13,167	42,088	1,003	1,041	22992,383	24271,846	-0,376	0,040	515,050	11,426	12,148	4,500	2017-09-15 08:33
13,334	42,252	1,004	1,040	23041,295	24279,412	-0,358	0,040	515,027	11,350	4,914	2,862	2017-09-15 08:33
13,500	42,419	1,004	1,042	22948,967	24329,575	-0,358	0,041	515,027	11,596	3,956	2,568	2017-09-15 08:33
13,667	42,589	1,004	1,042	22917,813	24244,529	-0,348	0,041	515,027	11,264	3,679	2,476	2017-09-15 08:33
13,834	42,765	1,005	1,043	22920,131	24601,112	-0,348	0,042	514,933	11,582	3,754	2,501	2017-09-15 08:33
14,000	42,934	1,004	1,042	23025,722	24444,933	-0,369	0,041	514,933	11,501	12,681	4,597	2017-09-15 08:34
14,167	43,096	1,004	1,043	23098,519	24342,486	-0,348	0,041	514,932	11,801	14,040	4,837	2017-09-15 08:34
14,334	43,268	1,005	1,044	23068,682	24442,746	-0,352	0,041	514,839	11,710	14,341	4,889	2017-09-15 08:34
14,500	43,439	1,006	1,045	23137,828	24414,348	-0,355	0,041	514,840	11,624	14,229	4,870	2017-09-15 08:34
14,667	43,613	1,006	1,046	23106,630	24395,917	-0,143	0,041	514,840	12,091	12,725	4,605	2017-09-15 08:34
14,834	43,781	1,004	1,046	23020,657	24657,892	-0,154	0,041	514,744	11,987	12,215	4,512	2017-09-15 08:34
15,000	43,954	1,005	1,045	23100,366	25019,391	-0,140	0,041	514,745	12,087	12,222	4,513	2017-09-15 08:35
15,269	44,226	1,006	1,047	23289,692	25115,399	-0,355	0,041	514,745	11,631	8,378	3,737	2017-09-15 08:35
15,334	44,299	1,005	1,047	23300,154	25071,539	-0,355	0,042	514,651	11,993	5,985	3,158	2017-09-15 08:35
15,500	44,476	1,005	1,046	23382,753	25021,316	-0,365	0,041	514,651	11,748	4,144	2,628	2017-09-15 08:35
15,667	44,660	1,005	1,047	23385,580	25307,100	-0,352	0,042	514,651	11,888	3,870	2,540	2017-09-15 08:35
15,834	44,835	1,005	1,047	23526,080	25229,406	-0,352	0,041	514,651	11,978	3,798	2,516	2017-09-15 08:35
16,000	45,009	1,005	1,048	23694,623	25517,290	-0,341	0,041	514,557	11,975	10,342	4,152	2017-09-15 08:36
16,167	45,182	1,005	1,047	23672,676	25262,195	-0,345	0,041	514,557	11,807	13,206	4,691	2017-09-15 08:36
16,333	45,352	1,005	1,048	23786,775	25616,251	-0,352	0,041	514,557	11,637	13,680	4,775	2017-09-15 08:36
16,500	45,515	1,005	1,048	23889,951	25768,684	-0,352	0,041	514,464	12,027	13,701	4,779	2017-09-15 08:36
16,667	45,683	1,005	1,049	24093,750	25661,698	-0,338	0,041	514,464	12,082	13,557	4,753	2017-09-15 08:36
16,833	45,854	1,005	1,049	24172,032	25806,790	-0,348	0,041	514,464	12,122	13,606	4,762	2017-09-15 08:36
17,000	46,025	1,005	1,048	24247,878	25872,866	-0,331	0,041	514,322	12,013	13,569	4,755	2017-09-15 08:37
17,167	46,198	1,005	1,048	24289,003	26062,879	-0,324	0,040	514,322	12,643	13,791	4,794	2017-09-15 08:37
17,333	46,378	1,006	1,049	24326,833	26019,428	-0,358	0,040	514,322	12,631	8,629	3,792	2017-09-15 08:37

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
17,500	0,199	0,202	0,543	0,302	0,084	116,974	19,021	32,925	-15,427	17,538	19,383	19,690	20,054	19,402	74,109	51,870	66,753
17,667	0,199	0,202	0,543	0,308	0,065	117,091	19,006	32,953	-16,289	14,450	19,389	19,690	20,041	19,395	74,569	52,053	66,890
17,833	0,199	0,202	0,542	0,314	0,061	117,354	19,000	33,035	-14,750	19,797	19,389	19,683	20,041	19,403	74,890	52,218	67,142
18,000	0,199	0,202	0,543	0,307	0,157	117,531	19,065	33,078	-14,867	17,351	19,392	19,681	20,045	19,402	74,986	52,401	67,444
18,167	0,199	0,202	0,542	0,316	0,339	117,748	19,110	33,079	-17,820	10,202	19,389	19,682	20,032	19,403	75,626	52,598	67,652
18,333	0,199	0,202	0,542	0,313	0,372	118,016	19,027	33,080	-14,083	23,174	19,389	19,682	20,057	19,402	75,892	52,772	67,822
18,500	0,199	0,202	0,542	0,312	0,374	118,201	19,057	33,055	-13,488	23,807	19,381	19,696	20,040	19,400	76,274	52,946	68,121
18,667	0,199	0,202	0,542	0,319	0,375	118,217	19,111	33,038	-15,152	18,834	19,380	19,688	20,046	19,404	76,273	53,152	68,462
18,833	0,199	0,202	0,542	0,316	0,364	118,325	19,065	33,042	-15,620	16,140	19,358	19,692	20,042	19,396	76,427	53,357	68,685
19,000	0,199	0,202	0,542	0,311	0,363	118,465	19,073	33,054	-15,003	17,478	19,380	19,683	20,036	19,398	76,529	53,542	68,821
19,167	0,199	0,202	0,542	0,312	0,368	118,574	19,085	33,037	-16,040	13,937	19,372	19,684	20,040	19,399	76,769	53,708	69,008
19,333	0,199	0,202	0,541	0,319	0,364	118,535	19,128	33,035	-15,973	10,293	19,385	19,688	20,044	19,400	76,988	53,884	69,193
19,500	0,199	0,202	0,541	0,309	0,335	118,547	19,123	32,975	-13,245	20,069	19,375	19,698	20,048	19,402	76,855	54,065	69,258
19,667	0,199	0,202	0,541	0,314	0,330	118,620	19,142	32,926	-16,641	12,812	19,380	19,690	20,037	19,404	76,985	54,214	69,444
19,833	0,199	0,202	0,541	0,316	0,334	118,760	19,130	32,908	-13,623	23,294	19,371	19,681	20,035	19,402	77,234	54,390	69,604
20,000	0,199	0,202	0,540	0,312	0,331	118,751	19,117	32,885	-15,356	12,800	19,375	19,692	20,033	19,404	77,385	54,554	69,681
20,167	0,199	0,202	0,541	0,317	0,337	118,750	19,147	32,867	-14,127	19,581	19,368	19,688	20,048	19,404	77,511	54,715	69,902
20,334	0,199	0,202	0,541	0,312	0,342	118,777	19,146	32,840	-15,688	15,650	19,395	19,690	20,050	19,411	77,491	54,894	70,012
20,500	0,199	0,202	0,541	0,309	0,338	118,878	19,128	32,855	-15,718	17,014	19,380	19,687	20,058	19,408	77,449	55,047	70,143
20,667	0,199	0,202	0,540	0,322	0,339	118,928	19,100	32,854	-14,529	27,244	19,389	19,687	20,048	19,411	77,484	55,215	70,241
20,834	0,199	0,202	0,540	0,317	0,316	118,848	19,099	32,853	-15,446	17,190	19,397	19,694	20,044	19,412	77,899	55,365	70,350
21,000	0,199	0,202	0,540	0,317	0,314	118,809	19,082	32,880	-16,678	11,188	19,387	19,698	20,058	19,408	77,857	55,524	70,438
21,167	0,199	0,202	0,540	0,312	0,309	118,952	19,016	32,907	-15,786	22,690	19,380	19,697	20,053	19,418	78,068	55,676	70,600
21,334	0,199	0,202	0,539	0,311	0,306	118,924	19,064	32,815	-15,393	19,095	19,387	19,703	20,041	19,412	78,429	55,845	70,769
21,500	0,199	0,202	0,539	0,318	0,304	118,909	19,021	32,791	-13,055	28,470	19,379	19,690	20,052	19,414	78,378	56,027	70,928
21,667	0,199	0,202	0,539	0,322	0,307	118,996	19,038	32,788	-17,539	12,371	19,380	19,695	20,056	19,418	78,678	56,198	71,140
21,834	0,199	0,202	0,539	0,312	0,309	119,026	19,052	32,794	-14,446	25,366	19,392	19,703	20,060	19,420	78,692	56,388	71,292
22,000	0,199	0,202	0,539	0,317	0,307	118,971	19,060	32,736	-16,242	16,066	19,395	19,705	20,074	19,424	78,965	56,556	71,404
22,167	0,199	0,202	0,539	0,323	0,306	118,967	19,062	32,693	-15,752	17,192	19,396	19,715	20,060	19,426	79,171	56,723	71,600
22,334	0,199	0,202	0,539	0,313	0,305	118,929	18,973	32,621	-17,705	16,700	19,401	19,694	20,064	19,420	79,264	56,899	71,778
22,500	0,199	0,202	0,538	0,310	0,308	118,799	18,970	32,565	-15,033	16,212	19,382	19,695	20,066	19,422	79,376	57,076	71,988
22,667	0,199	0,202	0,538	0,317	0,306	118,740	18,879	32,517	-17,267	11,643	19,383	19,698	20,074	19,428	79,722	57,256	72,183
22,834	0,199	0,202	0,538	0,303	0,305	118,578	18,948	32,454	-14,077	25,840	19,390	19,698	20,061	19,426	79,707	57,426	72,314
23,000	0,199	0,202	0,538	0,319	0,308	118,522	18,998	32,392	-15,378	14,809	19,388	19,695	20,060	19,430	79,942	57,589	72,468
23,167	0,199	0,202	0,538	0,310	0,303	118,316	19,003	32,282	-13,964	23,842	19,401	19,701	20,073	19,430	80,051	57,750	72,546
23,333	0,199	0,202	0,538	0,309	0,301	118,073	19,003	32,164	-15,600	14,780	19,381	19,707	20,073	19,432	80,044	57,902	72,711

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
17,500	46,560	1,006	1,050	24372,426	25686,347	-0,352	0,041	514,228	12,081	3,345	2,361	2017-09-15 08:37
17,667	46,734	1,007	1,050	24339,403	26012,860	-0,352	0,041	514,228	12,303	2,606	2,084	2017-09-15 08:37
17,833	46,909	1,006	1,052	24467,774	26169,621	-0,365	0,041	514,134	12,556	2,429	2,012	2017-09-15 08:37
18,000	47,082	1,006	1,051	24601,957	26071,949	-0,372	0,041	514,228	12,299	6,281	3,235	2017-09-15 08:38
18,167	47,252	1,004	1,050	24614,461	26539,028	-0,372	0,041	514,134	12,622	13,569	4,756	2017-09-15 08:38
18,333	47,427	1,006	1,051	24648,989	26676,294	-0,362	0,041	514,135	12,530	14,861	4,977	2017-09-15 08:38
18,500	47,603	1,006	1,051	24778,931	26922,757	-0,341	0,041	514,135	12,462	14,944	4,991	2017-09-15 08:38
18,667	47,778	1,007	1,052	24999,218	26711,366	-0,348	0,041	514,041	12,743	14,991	4,999	2017-09-15 08:38
18,833	47,957	1,006	1,052	25061,703	26632,791	-0,358	0,041	514,041	12,628	14,551	4,925	2017-09-15 08:38
19,000	48,135	1,005	1,052	25007,391	26506,770	-0,365	0,041	514,041	12,438	14,532	4,921	2017-09-15 08:39
19,167	48,319	1,005	1,052	25013,428	26594,478	-0,345	0,041	514,041	12,486	14,711	4,952	2017-09-15 08:39
19,333	48,504	1,006	1,052	25011,243	26665,491	-0,352	0,041	513,947	12,744	14,550	4,924	2017-09-15 08:39
19,500	48,688	1,005	1,053	24878,123	26274,215	-0,355	0,041	513,947	12,361	13,390	4,724	2017-09-15 08:39
19,667	48,868	1,005	1,052	24856,183	26238,374	-0,341	0,041	513,947	12,563	13,192	4,689	2017-09-15 08:39
19,833	49,052	1,005	1,052	24848,513	26333,624	-0,345	0,041	513,947	12,636	13,340	4,715	2017-09-15 08:39
20,000	49,228	1,005	1,053	24732,358	26315,745	-0,338	0,041	513,760	12,495	13,230	4,696	2017-09-15 08:40
20,167	49,407	1,006	1,053	24780,189	26291,618	-0,334	0,041	513,853	12,693	13,470	4,738	2017-09-15 08:40
20,334	49,585	1,005	1,055	24751,328	26047,714	-0,338	0,041	513,853	12,488	13,676	4,774	2017-09-15 08:40
20,500	49,763	1,006	1,054	24672,685	25840,836	-0,320	0,041	513,853	12,350	13,525	4,748	2017-09-15 08:40
20,667	49,944	1,006	1,054	24564,186	25674,880	-0,334	0,040	513,760	12,890	13,569	4,756	2017-09-15 08:40
20,834	50,126	1,006	1,054	24478,617	25986,973	-0,341	0,040	513,760	12,684	12,658	4,593	2017-09-15 08:40
21,000	50,316	1,006	1,055	24365,219	25756,267	-0,338	0,040	513,760	12,684	12,550	4,573	2017-09-15 08:41
21,167	50,502	1,006	1,055	24351,467	25815,745	-0,334	0,041	513,760	12,463	12,359	4,539	2017-09-15 08:41
21,334	50,684	1,006	1,056	24348,848	26051,195	-0,338	0,040	513,620	12,459	12,231	4,515	2017-09-15 08:41
21,500	50,876	1,006	1,056	24306,627	25760,257	-0,334	0,040	513,620	12,734	12,146	4,499	2017-09-15 08:41
21,667	51,066	1,007	1,055	24300,683	25941,825	-0,341	0,040	513,620	12,877	12,288	4,525	2017-09-15 08:41
21,834	51,251	1,006	1,055	24272,255	25719,998	-0,334	0,040	513,620	12,462	12,345	4,536	2017-09-15 08:41
22,000	51,431	1,006	1,056	24203,396	25839,296	-0,331	0,041	513,526	12,685	12,294	4,527	2017-09-15 08:42
22,167	51,611	1,007	1,056	24222,736	25900,645	-0,341	0,040	513,526	12,919	12,233	4,515	2017-09-15 08:42
22,334	51,790	1,007	1,058	24263,593	25800,601	-0,355	0,040	513,527	12,516	12,188	4,507	2017-09-15 08:42
22,500	51,965	1,007	1,057	24291,491	25711,857	-0,362	0,041	513,432	12,388	12,338	4,535	2017-09-15 08:42
22,667	52,143	1,006	1,056	24278,544	25882,819	-0,338	0,041	513,432	12,665	12,255	4,519	2017-09-15 08:42
22,834	52,315	1,006	1,056	24229,378	25667,162	-0,338	0,040	513,432	12,110	12,213	4,512	2017-09-15 08:42
23,000	52,497	1,005	1,056	24193,214	25740,524	-0,327	0,040	513,432	12,764	12,317	4,531	2017-09-15 08:43
23,167	52,678	1,006	1,057	24093,748	25685,990	-0,334	0,040	513,340	12,418	12,126	4,496	2017-09-15 08:43
23,333	52,855	1,006	1,056	24061,474	25510,380	-0,348	0,040	513,339	12,357	12,024	4,477	2017-09-15 08:43

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
23,500	0,199	0,202	0,538	0,311	0,307	117,965	18,982	32,144	-16,876	12,324	19,405	19,709	20,064	19,431	80,112	58,076	72,835
23,667	0,199	0,202	0,538	0,311	0,326	117,836	18,992	32,085	-14,196	26,827	19,399	19,709	20,071	19,436	79,901	58,233	72,900
23,833	0,199	0,202	0,538	0,309	0,331	117,684	19,030	32,002	-15,516	18,390	19,396	19,715	20,053	19,432	80,179	58,375	72,975
24,000	0,199	0,202	0,538	0,310	0,322	117,559	19,042	31,899	-16,228	12,437	19,392	19,701	20,065	19,434	80,140	58,524	73,106
24,167	0,199	0,202	0,537	0,304	0,328	117,360	19,056	31,797	-14,857	18,290	19,395	19,702	20,071	19,434	80,059	58,682	73,208
24,333	0,199	0,202	0,537	0,305	0,106	117,150	19,076	31,733	-14,736	23,300	19,400	19,700	20,088	19,437	80,451	58,831	73,249
24,500	0,199	0,202	0,537	0,302	0,072	116,909	19,054	31,724	-15,960	14,857	19,396	19,715	20,072	19,439	80,505	58,972	73,360
24,667	0,199	0,202	0,537	0,310	0,066	116,778	19,067	31,704	-14,554	24,115	19,394	19,698	20,077	19,437	80,603	59,123	73,519
24,833	0,199	0,202	0,537	0,308	0,064	116,717	19,044	31,613	-14,933	22,393	19,394	19,706	20,076	19,439	80,301	59,288	73,607
25,000	0,199	0,202	0,539	0,309	0,155	116,491	19,024	31,515	-14,104	18,664	19,407	19,710	20,068	19,441	80,679	59,436	73,664
25,167	0,199	0,202	0,537	0,309	0,171	116,302	19,008	31,461	-13,895	20,791	19,411	19,717	20,085	19,440	80,603	59,577	73,765
25,333	0,199	0,202	0,536	0,313	0,174	116,211	19,044	31,394	-16,803	10,107	19,400	19,713	20,085	19,444	80,637	59,724	73,872
25,500	0,199	0,202	0,537	0,309	0,174	116,137	19,033	31,352	-14,411	19,616	19,419	19,718	20,084	19,447	80,877	59,875	73,885
25,667	0,199	0,202	0,536	0,308	0,273	115,997	18,976	31,333	-14,960	21,123	19,400	19,717	20,073	19,445	80,713	60,010	73,968
25,833	0,199	0,202	0,536	0,314	0,300	115,865	18,909	31,258	-13,928	24,705	19,397	19,723	20,082	19,444	80,812	60,156	74,091
26,000	0,199	0,202	0,536	0,303	0,308	115,684	18,819	31,213	-14,584	25,392	19,397	19,709	20,080	19,447	81,032	60,311	74,187
26,167	0,199	0,202	0,536	0,301	0,312	115,440	18,734	31,170	-14,022	21,730	19,407	19,708	20,097	19,448	80,868	60,455	74,262
26,333	0,199	0,202	0,536	0,307	0,260	115,067	18,693	31,123	-16,207	14,207	19,406	19,719	20,076	19,447	81,111	60,597	74,357
26,500	0,199	0,202	0,536	0,307	0,243	114,823	18,757	31,060	-14,086	22,889	19,389	19,722	20,075	19,448	80,958	60,741	74,395
26,667	0,199	0,202	0,536	0,298	0,240	114,584	18,691	31,047	-16,337	19,178	19,398	19,723	20,093	19,448	80,835	60,875	74,430
26,834	0,199	0,202	0,536	0,297	0,239	114,367	18,628	30,979	-14,971	25,901	19,407	19,722	20,084	19,451	80,858	61,001	74,478
27,000	0,199	0,202	0,536	0,302	0,148	114,101	18,661	30,949	-15,722	19,117	19,416	19,716	20,089	19,455	80,875	61,139	74,504
27,167	0,199	0,202	0,536	0,301	0,096	113,914	18,751	30,908	-14,279	21,695	19,411	19,726	20,089	19,453	81,041	61,267	74,551
27,334	0,199	0,202	0,536	0,296	0,088	113,729	18,632	30,865	-15,677	21,066	19,399	19,730	20,093	19,455	81,115	61,390	74,603
27,500	0,199	0,202	0,535	0,297	0,084	113,542	18,699	30,800	-14,027	29,000	19,412	19,729	20,088	19,457	81,015	61,525	74,747
27,667	0,199	0,202	0,535	0,299	0,177	113,294	18,724	30,745	-14,136	21,936	19,406	19,729	20,096	19,457	80,996	61,677	74,772
27,834	0,199	0,202	0,535	0,294	0,263	113,118	18,803	30,627	-14,431	19,718	19,406	19,718	20,088	19,456	81,003	61,809	74,826
28,000	0,199	0,202	0,535	0,300	0,273	112,913	18,880	30,547	-17,534	11,179	19,399	19,748	20,094	19,456	81,016	61,919	74,898
28,167	0,199	0,202	0,536	0,299	0,275	112,727	18,916	30,469	-14,401	24,082	19,416	19,734	20,093	19,460	80,962	62,017	74,943
28,334	0,199	0,202	0,535	0,297	0,192	112,433	18,840	30,368	-16,986	8,324	19,418	19,735	20,096	19,460	80,976	62,106	74,980
28,500	0,199	0,202	0,535	0,295	0,050	112,255	18,933	30,222	-15,848	19,101	19,415	19,733	20,091	19,461	81,127	62,166	74,924
28,667	0,199	0,202	0,535	0,298	0,031	111,916	18,926	30,156	-14,222	22,868	19,405	19,742	20,087	19,464	81,099	62,111	74,751
28,834	0,199	0,202	0,535	0,303	0,027	111,674	18,818	30,124	-10,735	21,704	19,431	19,739	20,105	19,464	81,113	61,904	75,178
29,000	0,199	0,202	0,535	0,295	0,029	111,369	18,853	30,035	-16,569	14,334	19,410	19,718	20,093	19,465	80,831	62,668	76,499
29,167	0,199	0,202	0,535	0,298	0,036	111,145	18,963	29,976	-14,432	18,864	19,408	19,741	20,103	19,476	80,985	63,338	76,889
29,334	0,199	0,202	0,534	0,303	0,038	110,892	18,925	29,949	-13,672	24,342	19,417	19,730	20,079	19,465	81,078	63,540	76,919

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
23,500	53,027	1,006	1,058	24038,824	25382,470	-0,331	0,040	513,339	12,452	12,266	4,521	2017-09-15 08:43
23,667	53,207	1,006	1,057	23882,421	24945,916	-0,327	0,040	513,340	12,452	13,059	4,665	2017-09-15 08:43
23,833	53,379	1,006	1,058	23772,495	25114,236	-0,331	0,040	513,339	12,351	13,242	4,698	2017-09-15 08:43
24,000	53,552	1,006	1,058	23718,010	24903,740	-0,345	0,040	513,339	12,406	12,899	4,637	2017-09-15 08:44
24,167	53,730	1,007	1,059	23652,729	24634,818	-0,345	0,040	513,245	12,154	13,113	4,675	2017-09-15 08:44
24,333	53,904	1,007	1,058	23463,524	24917,121	-0,327	0,041	513,245	12,211	4,233	2,656	2017-09-15 08:44
24,500	54,075	1,007	1,059	23412,490	24806,652	-0,331	0,040	513,245	12,098	2,895	2,197	2017-09-15 08:44
24,667	54,252	1,006	1,058	23368,559	24741,659	-0,338	0,040	513,244	12,407	2,646	2,100	2017-09-15 08:44
24,833	54,427	1,006	1,058	23270,787	24199,527	-0,345	0,040	513,244	12,312	2,561	2,066	2017-09-15 08:44
25,000	54,599	1,006	1,058	23114,868	24450,154	-0,327	0,040	513,526	12,355	6,195	3,213	2017-09-15 08:45
25,167	54,770	1,007	1,058	23045,648	24219,154	-0,334	0,041	513,221	12,352	6,823	3,372	2017-09-15 08:45
25,333	54,943	1,007	1,058	22958,907	24097,065	-0,327	0,043	513,057	12,501	6,954	3,404	2017-09-15 08:45
25,500	55,119	1,006	1,059	22775,361	24179,895	-0,327	0,040	513,151	12,367	6,979	3,411	2017-09-15 08:45
25,667	55,300	1,007	1,060	22671,312	23853,541	-0,341	0,041	513,057	12,324	10,905	4,263	2017-09-15 08:45
25,833	55,467	1,008	1,060	22613,526	23820,749	-0,338	0,041	513,057	12,574	12,003	4,473	2017-09-15 08:45
26,000	55,636	1,007	1,060	22539,127	23857,876	-0,324	0,040	513,057	12,135	12,302	4,528	2017-09-15 08:46
26,167	55,808	1,006	1,060	22406,914	23499,781	-0,320	0,041	513,057	12,023	12,470	4,559	2017-09-15 08:46
26,333	55,974	1,006	1,060	22327,819	23612,903	-0,324	0,041	512,964	12,271	10,419	4,167	2017-09-15 08:46
26,500	56,140	1,007	1,059	22152,841	23272,113	-0,546	0,040	512,965	12,263	9,709	4,023	2017-09-15 08:46
26,667	56,299	1,007	1,061	22029,663	22985,983	-0,345	0,040	512,965	11,929	9,605	4,001	2017-09-15 08:46
26,834	56,468	1,007	1,061	21884,317	22877,578	-0,327	0,040	512,965	11,863	9,573	3,994	2017-09-15 08:46
27,000	56,633	1,008	1,060	21690,852	22751,167	-0,341	0,040	512,964	12,065	5,924	3,142	2017-09-15 08:47
27,167	56,792	1,007	1,060	21554,087	22777,041	-0,324	0,040	512,965	12,049	3,854	2,534	2017-09-15 08:47
27,334	56,955	1,007	1,059	21409,271	22713,818	-0,334	0,040	512,965	11,839	3,540	2,429	2017-09-15 08:47
27,500	57,111	1,006	1,058	21370,647	22421,662	-0,348	0,040	512,822	11,863	3,352	2,364	2017-09-15 08:47
27,667	57,238	1,008	1,058	21237,962	22259,657	-0,341	0,040	512,822	11,973	7,089	3,437	2017-09-15 08:47
27,834	57,347	1,008	1,058	21167,572	22110,593	-0,334	0,040	512,822	11,753	10,539	4,191	2017-09-15 08:47
28,000	57,446	1,007	1,057	21127,032	21974,613	-0,546	0,040	512,822	12,020	10,931	4,268	2017-09-15 08:48
28,167	57,511	1,007	1,057	21096,347	21806,871	-0,536	0,040	512,964	11,967	10,997	4,281	2017-09-15 08:48
28,334	57,546	1,006	1,056	21074,145	21702,043	-0,539	0,040	512,822	11,892	7,665	3,574	2017-09-15 08:48
28,500	57,534	1,003	1,057	21046,438	21725,416	-0,560	0,040	512,822	11,819	1,989	1,821	2017-09-15 08:48
28,667	57,502	0,967	1,057	20864,145	20974,169	-0,546	0,041	512,729	11,921	1,225	1,429	2017-09-15 08:48
28,834	57,422	0,966	0,914	18572,926	21214,166	-0,539	0,041	512,728	12,127	1,066	1,333	2017-09-15 08:48
29,000	57,360	0,966	0,831	18201,021	20045,012	-0,553	0,041	512,729	11,781	1,141	1,379	2017-09-15 08:49
29,167	57,328	0,966	0,831	18614,970	19468,053	-0,529	0,041	512,729	11,940	1,459	1,559	2017-09-15 08:49
29,334	57,308	0,965	0,831	18667,297	19335,998	-0,546	0,040	512,635	12,108	1,516	1,589	2017-09-15 08:49

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
29,500	0,199	0,202	0,534	0,298	0,038	110,608	18,963	29,858	-15,612	20,907	19,430	19,735	20,089	19,465	81,161	63,560	76,800
29,667	0,199	0,202	0,534	0,296	0,039	110,324	18,991	29,802	-14,605	21,835	19,422	19,759	20,103	19,473	81,196	63,237	76,638
29,833	0,199	0,202	0,534	0,294	0,256	110,084	18,736	29,783	-13,855	20,600	19,430	19,741	20,103	19,469	81,294	63,107	76,632
30,000	0,199	0,202	0,534	0,297	0,291	109,798	18,809	29,725	-15,048	21,511	19,423	19,734	20,105	19,473	81,327	63,081	76,700
30,167	0,199	0,202	0,534	0,299	0,296	109,490	18,812	29,619	-15,289	12,761	19,436	19,746	20,113	19,481	81,393	63,097	76,777
30,333	0,199	0,202	0,534	0,290	0,294	109,198	18,832	29,520	-16,789	13,694	19,430	19,751	20,109	19,479	81,238	63,023	76,577
30,500	0,199	0,202	0,534	0,288	0,293	108,985	18,760	29,465	-15,764	21,163	19,436	19,739	20,099	19,473	81,462	62,725	76,437
30,667	0,199	0,202	0,534	0,291	0,293	108,745	18,719	29,426	-16,222	18,099	19,408	19,743	20,101	19,472	81,546	62,610	76,391
30,833	0,199	0,202	0,534	0,292	0,292	108,522	18,741	29,381	-13,765	25,833	19,426	19,743	20,112	19,480	81,455	62,573	76,401
31,000	0,199	0,202	0,534	0,290	0,296	108,258	18,822	29,354	-9,808	29,316	19,442	19,737	20,104	19,477	81,547	62,573	76,447
31,167	0,199	0,202	0,534	0,290	0,286	108,102	18,779	29,273	-14,871	16,234	19,427	19,746	20,116	19,477	81,560	62,578	76,447
31,333	0,199	0,202	0,534	0,288	0,280	107,929	18,814	29,257	-12,379	21,145	19,429	19,741	20,105	19,477	81,577	62,520	76,118
31,500	0,199	0,202	0,534	0,290	0,285	107,744	18,950	29,203	-18,291	9,133	19,439	19,750	20,116	19,480	81,803	61,830	75,453
31,667	0,199	0,202	0,534	0,291	0,279	107,503	18,995	29,169	-13,632	25,501	19,425	19,743	20,116	19,480	81,921	61,247	75,564
31,833	0,199	0,202	0,534	0,282	0,281	107,210	19,078	29,121	-17,186	14,400	19,447	19,750	20,109	19,481	81,979	61,178	75,821
32,000	0,199	0,202	0,533	0,293	0,289	106,967	18,902	29,087	-15,714	19,583	19,434	19,746	20,120	19,481	81,965	61,241	75,948
32,167	0,199	0,202	0,534	0,282	0,284	106,755	18,771	29,074	-15,254	22,848	19,441	19,749	20,119	19,491	81,910	61,249	76,048
32,333	0,199	0,202	0,533	0,289	0,286	106,531	18,793	28,973	-15,835	17,505	19,435	19,745	20,111	19,484	82,056	61,282	76,275
32,500	0,199	0,202	0,534	0,286	0,287	106,316	18,903	28,933	-16,272	22,243	19,435	19,740	20,118	19,483	82,137	61,386	76,361
32,667	0,199	0,202	0,534	0,287	0,299	106,076	18,938	28,868	-11,560	17,849	19,427	19,744	20,111	19,484	82,017	61,409	76,341
32,833	0,199	0,202	0,533	0,289	0,300	105,871	18,959	28,851	-16,522	17,420	19,440	19,761	20,119	19,487	82,069	61,279	76,160
33,000	0,199	0,202	0,533	0,283	0,300	105,617	18,945	28,745	-15,168	22,317	19,439	19,749	20,119	19,489	82,203	61,073	76,087
33,167	0,199	0,202	0,533	0,284	0,301	105,403	18,926	28,682	-15,709	18,384	19,455	19,749	20,124	19,491	82,284	60,982	76,203
33,333	0,199	0,202	0,533	0,286	0,299	105,125	18,997	28,548	-16,383	18,069	19,443	19,755	20,129	19,489	82,253	60,991	76,292
33,500	0,199	0,202	0,533	0,287	0,295	104,746	19,005	28,333	-14,593	25,550	19,442	19,752	20,127	19,495	82,253	60,975	76,341
33,667	0,199	0,202	0,533	0,287	0,304	104,335	19,017	28,123	-16,796	18,248	19,445	19,770	20,127	19,497	82,257	60,932	76,369
33,834	0,199	0,202	0,533	0,281	0,301	103,926	18,986	27,948	-13,377	23,123	19,441	19,761	20,121	19,496	82,319	60,905	76,538
34,000	0,199	0,202	0,533	0,281	0,307	103,513	18,979	27,784	-14,860	17,657	19,448	19,746	20,115	19,491	82,222	60,951	76,628
34,167	0,199	0,202	0,533	0,281	0,305	103,157	19,042	27,626	-15,292	8,400	19,447	19,752	20,129	19,499	82,163	60,963	76,645
34,334	0,199	0,202	0,533	0,279	0,310	102,833	19,072	27,521	-24,495	18,637	19,454	19,774	20,141	19,512	81,921	60,932	76,601
34,500	0,199	0,202	0,533	0,279	0,290	102,367	19,064	27,443	-20,801	66,147	19,450	19,748	20,128	19,499	81,987	60,877	76,545
34,667	0,199	0,202	0,533	0,277	0,239	101,936	19,080	27,294	-15,836	18,349	19,462	19,767	20,136	19,497	81,857	60,799	76,465
34,900	0,199	0,202	0,533	0,273	0,223	101,337	19,129	27,143	-15,628	20,715	19,459	19,772	20,137	19,515	81,637	60,703	76,372
35,022	0,199	0,202	0,533	0,275	0,226	101,025	19,152	27,044	-15,813	16,063	19,453	19,774	20,131	19,508	81,281	60,646	76,314
35,167	0,199	0,202	0,533	0,273	0,224	100,699	19,141	26,923	-17,237	14,039	19,454	19,753	20,142	19,504	81,217	60,586	76,206
35,334	0,199	0,202	0,533	0,267	0,289	100,314	19,124	26,810	-16,540	21,241	19,442	19,758	20,129	19,497	81,097	60,525	76,065

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
29,500	57,290	0,922	0,831	18558,998	18539,713	-0,550	0,041	512,635	11,916	1,537	1,600	2017-09-15 08:49
29,667	57,305	0,918	0,832	18415,473	18839,076	-0,546	0,041	512,635	11,842	1,555	1,610	2017-09-15 08:49
29,833	57,312	0,917	0,831	18383,452	19060,912	-0,550	0,040	512,635	11,777	10,223	4,128	2017-09-15 08:49
30,000	57,286	0,916	0,829	18439,673	19099,487	-0,546	0,040	512,635	11,883	11,657	4,408	2017-09-15 08:50
30,167	57,284	0,906	0,830	18532,777	18938,712	-0,550	0,040	512,635	11,945	11,849	4,444	2017-09-15 08:50
30,333	57,282	0,869	0,831	18352,994	18077,030	-0,539	0,040	512,635	11,616	11,747	4,425	2017-09-15 08:50
30,500	57,294	0,869	0,831	18206,246	18609,598	-0,539	0,040	512,635	11,531	11,731	4,422	2017-09-15 08:50
30,667	57,304	0,868	0,830	18140,168	18787,915	-0,529	0,040	512,541	11,629	11,706	4,417	2017-09-15 08:50
30,833	57,269	0,869	0,830	18183,437	18745,895	-0,543	0,040	512,541	11,661	11,686	4,413	2017-09-15 08:50
31,000	57,140	0,869	0,829	18337,033	18837,752	-0,539	0,044	512,541	11,610	11,822	4,439	2017-09-15 08:51
31,167	57,057	0,867	0,829	18410,613	18799,511	-0,539	0,041	512,635	11,590	11,428	4,364	2017-09-15 08:51
31,333	57,006	0,755	0,828	18130,873	16438,798	-0,539	0,041	512,541	11,526	11,218	4,324	2017-09-15 08:51
31,500	56,962	0,742	0,825	17465,203	16934,987	-0,334	0,041	512,541	11,591	11,388	4,357	2017-09-15 08:51
31,667	56,910	0,742	0,775	16561,217	17538,708	-0,345	0,040	512,541	11,629	11,143	4,310	2017-09-15 08:51
31,833	56,839	0,742	0,774	16822,838	17649,737	-0,348	0,041	512,541	11,277	11,259	4,332	2017-09-15 08:51
32,000	56,785	0,741	0,774	16980,989	17568,255	-0,341	0,040	512,448	11,714	11,568	4,391	2017-09-15 08:52
32,167	56,726	0,742	0,756	16732,491	17528,686	-0,331	0,040	512,541	11,269	11,359	4,351	2017-09-15 08:52
32,333	56,702	0,742	0,745	16708,159	17632,640	-0,303	0,041	512,448	11,567	11,450	4,368	2017-09-15 08:52
32,500	56,688	0,742	0,745	16778,891	17595,180	-0,532	0,041	512,541	11,454	11,477	4,374	2017-09-15 08:52
32,667	56,671	0,711	0,744	16754,165	16751,418	-0,539	0,041	512,541	11,491	11,975	4,467	2017-09-15 08:52
32,833	56,607	0,705	0,745	16676,430	16755,978	-0,525	0,040	512,447	11,558	12,013	4,475	2017-09-15 08:52
33,000	56,507	0,705	0,735	16485,939	17041,664	-0,511	0,042	512,447	11,319	11,986	4,470	2017-09-15 08:53
33,167	56,421	0,706	0,727	16481,427	17189,185	-0,518	0,041	512,447	11,350	12,027	4,477	2017-09-15 08:53
33,333	56,330	0,706	0,728	16638,360	17159,628	-0,497	0,041	512,447	11,429	11,970	4,467	2017-09-15 08:53
33,500	56,255	0,706	0,728	16753,424	17178,585	-0,511	0,041	512,448	11,494	11,781	4,431	2017-09-15 08:53
33,667	56,197	0,705	0,715	16521,810	17203,113	-0,518	0,040	512,447	11,466	12,178	4,505	2017-09-15 08:53
33,834	56,118	0,705	0,708	16575,549	17263,363	-0,529	0,040	512,447	11,250	12,027	4,477	2017-09-15 08:53
34,000	56,033	0,705	0,708	16718,056	17153,843	-0,536	0,041	512,354	11,251	12,268	4,522	2017-09-15 08:54
34,167	55,935	0,705	0,708	16812,663	17092,752	-0,529	0,041	512,354	11,244	12,217	4,512	2017-09-15 08:54
34,334	55,846	0,705	0,708	16844,161	16924,398	-0,543	0,040	512,354	11,159	12,382	4,543	2017-09-15 08:54
34,500	55,779	0,705	0,709	16864,691	17024,024	-0,557	0,040	512,353	11,159	11,589	4,395	2017-09-15 08:54
34,667	55,723	0,705	0,708	16831,033	16972,370	-0,536	0,040	512,354	11,089	9,568	3,993	2017-09-15 08:54
34,900	55,617	0,705	0,709	16868,565	16890,037	-0,546	0,040	512,354	10,927	8,938	3,860	2017-09-15 08:54
35,022	55,556	0,706	0,709	16866,029	16653,313	-0,529	0,040	512,354	10,984	9,022	3,878	2017-09-15 08:55
35,167	55,492	0,704	0,707	16782,555	16605,857	-0,522	0,041	512,434	10,905	8,977	3,868	2017-09-15 08:55
35,334	55,413	0,705	0,708	16751,849	16584,956	-0,529	0,041	512,354	10,682	11,579	4,393	2017-09-15 08:55

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
35,500	0,199	0,202	0,533	0,274	0,298	99,961	19,087	26,739	-15,076	25,906	19,463	19,765	20,138	19,507	80,848	60,453	75,904
35,667	0,199	0,202	0,533	0,273	0,413	99,584	19,079	26,626	-17,035	17,091	19,460	19,767	20,148	19,507	80,825	60,331	75,761
35,834	0,199	0,202	0,533	0,270	0,045	99,216	19,100	26,571	-15,937	19,677	19,450	19,763	20,132	19,501	80,641	60,238	75,607
36,000	0,199	0,202	0,533	0,272	0,135	98,857	19,139	26,527	-14,119	27,584	19,463	19,766	20,142	19,508	80,375	60,174	75,486
36,167	0,199	0,202	0,533	0,269	0,044	98,568	19,131	26,501	-14,285	23,900	19,459	19,766	20,136	19,505	80,216	60,084	75,327
36,334	0,199	0,202	0,533	0,269	-0,001	98,283	19,072	26,507	-14,749	21,349	19,459	19,770	20,144	19,504	79,949	60,002	75,163
36,500	0,199	0,202	0,533	0,268	1,609	97,990	19,054	26,514	-15,025	16,194	19,463	19,775	20,141	19,504	79,760	59,916	75,027
36,667	0,199	0,202	0,533	0,264	0,586	97,732	19,101	26,530	-16,074	18,866	19,460	19,785	20,136	19,508	79,563	59,834	74,857
36,833	0,199	0,202	0,533	0,269	0,438	97,461	19,138	26,528	-14,783	24,010	19,458	19,785	20,127	19,508	79,537	59,760	74,707
37,000	0,199	0,202	0,533	0,264	1,724	97,207	19,194	26,540	-14,808	20,436	19,462	19,775	20,142	19,508	79,352	59,674	74,551
37,167	0,199	0,202	0,533	0,262	0,460	97,016	19,129	26,515	-15,151	15,681	19,465	19,774	20,153	19,515	79,359	59,608	74,418
37,333	0,199	0,202	0,533	0,267	0,275	96,816	19,112	26,522	-11,378	18,069	19,470	19,778	20,136	19,512	79,088	59,539	74,310
37,500	0,199	0,202	0,533	0,266	0,250	96,562	19,095	26,549	-17,015	13,071	19,463	19,785	20,150	19,511	79,117	59,459	74,188
37,667	0,199	0,202	0,533	0,267	0,239	96,336	19,089	26,581	-14,139	24,063	19,451	19,765	20,144	19,507	78,947	59,406	74,057
37,833	0,199	0,202	0,532	0,261	0,241	96,130	19,101	26,602	-14,898	14,718	19,451	19,765	20,146	19,505	78,945	59,361	73,972
38,000	0,199	0,202	0,532	0,264	0,274	95,941	19,125	26,585	-14,522	18,493	19,468	19,774	20,132	19,511	78,726	59,289	73,880
38,167	0,199	0,202	0,533	0,261	0,270	95,762	19,125	26,557	-15,090	17,432	19,465	19,775	20,157	19,515	78,837	59,263	73,776
38,333	0,199	0,202	0,533	0,257	0,275	95,624	19,075	26,547	-16,153	14,965	19,449	19,770	20,141	19,512	78,753	59,195	73,667
38,500	0,199	0,202	0,553	0,259	0,279	95,457	19,041	26,511	-14,699	19,616	19,453	19,783	20,144	19,513	78,696	59,163	73,607
38,667	0,199	0,202	0,532	0,263	0,284	95,302	18,987	26,480	-12,563	13,032	19,467	19,785	20,139	19,516	78,791	59,158	73,538
38,833	0,199	0,202	0,532	0,256	0,289	95,117	19,037	26,491	-17,166	9,695	19,467	19,778	20,150	19,518	78,674	59,116	72,622
39,000	0,199	0,202	0,533	0,265	0,289	94,959	19,059	26,488	-11,957	26,814	19,472	19,774	20,154	19,517	78,808	58,424	72,607
39,167	0,199	0,202	0,532	0,256	0,288	94,812	19,084	26,499	-13,469	21,102	19,484	19,787	20,148	19,521	78,822	57,958	73,070
39,333	0,199	0,202	0,532	0,264	0,295	94,681	19,138	26,523	-17,288	6,693	19,466	19,794	20,153	19,521	78,816	58,067	73,268
39,500	0,199	0,202	0,532	0,253	0,289	94,561	19,125	26,453	-12,779	26,830	19,467	19,780	20,153	19,525	78,947	58,200	73,248
39,667	0,199	0,202	0,531	0,255	0,286	94,406	19,139	26,471	-16,529	11,184	19,449	19,779	20,158	19,518	79,034	58,236	72,387
39,833	0,199	0,202	0,532	0,258	0,287	94,291	19,101	26,439	-13,899	26,102	19,463	19,786	20,145	19,516	79,090	57,849	72,218
40,000	0,199	0,202	0,531	0,258	0,291	94,167	19,151	26,455	-14,505	22,092	19,463	19,799	20,154	19,522	79,136	57,332	72,225
40,167	0,199	0,202	0,532	0,254	0,289	94,080	19,143	26,509	-14,105	22,100	19,465	19,785	20,158	19,526	79,332	57,117	72,269
40,333	0,199	0,202	0,532	0,253	0,290	94,042	19,160	26,507	-15,505	12,076	19,477	19,791	20,164	19,530	79,382	57,021	72,692
40,500	0,199	0,202	0,531	0,250	0,293	93,909	19,180	26,483	-13,197	27,723	19,470	19,793	20,157	19,526	79,459	57,019	72,977
40,667	0,199	0,202	0,531	0,253	0,288	93,762	19,171	26,456	-14,435	20,971	19,478	19,781	20,148	19,526	79,641	57,124	73,166
40,834	0,199	0,202	0,531	0,251	0,289	93,607	19,150	26,447	-13,768	17,259	19,466	19,781	20,160	19,526	79,838	57,225	73,299
41,000	0,199	0,202	0,531	0,251	0,290	93,539	19,158	26,469	-15,440	16,230	19,478	19,795	20,161	19,530	79,912	57,285	73,688
41,167	0,199	0,202	0,531	0,256	0,286	93,443	19,168	26,508	-16,031	12,114	19,483	19,797	20,167	19,537	80,070	57,379	74,014
41,334	0,199	0,202	0,531	0,249	0,294	93,353	19,163	26,520	-15,261	14,315	19,479	19,798	20,177	19,540	80,165	57,544	74,254

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
35,500	55,351	0,705	0,709	16692,259	16452,608	-0,543	0,041	512,354	10,978	11,915	4,456	2017-09-15 08:55
35,667	55,295	0,705	0,708	16614,733	16532,471	-0,539	0,040	512,354	10,900	16,501	5,244	2017-09-15 08:55
35,834	55,233	0,705	0,708	16544,279	16442,107	-0,536	0,040	512,354	10,794	1,809	1,736	2017-09-15 08:55
36,000	55,162	0,705	0,708	16493,349	16291,390	-0,522	0,041	512,354	10,884	5,402	3,001	2017-09-15 08:56
36,167	55,094	0,705	0,708	16424,312	16229,146	-0,539	0,041	512,354	10,767	1,775	1,720	2017-09-15 08:56
36,334	55,034	0,704	0,708	16337,758	16070,003	-0,532	0,041	512,354	10,757	-0,056	-9999,000	2017-09-15 08:56
36,500	54,980	0,705	0,708	16278,194	16008,761	-0,529	0,040	512,354	10,732	64,345	10,356	2017-09-15 08:56
36,667	54,925	0,705	0,709	16193,231	15900,773	-0,529	0,040	512,354	10,545	23,421	6,248	2017-09-15 08:56
36,833	54,865	0,704	0,710	16142,085	15938,803	-0,539	0,040	512,354	10,776	17,531	5,405	2017-09-15 08:56
37,000	54,809	0,706	0,709	16043,338	15887,609	-0,529	0,040	512,354	10,564	68,962	10,721	2017-09-15 08:57
37,167	54,770	0,705	0,709	15961,916	15932,560	-0,539	0,040	512,354	10,465	18,413	5,540	2017-09-15 08:57
37,333	54,738	0,704	0,709	15914,461	15755,390	-0,553	0,041	512,439	10,673	10,992	4,280	2017-09-15 08:57
37,500	54,704	0,704	0,709	15831,861	15835,401	-0,539	0,041	512,354	10,622	9,984	4,079	2017-09-15 08:57
37,667	54,668	0,704	0,708	15744,924	15732,334	-0,546	0,040	512,354	10,680	9,566	3,993	2017-09-15 08:57
37,833	54,624	0,704	0,709	15714,880	15782,757	-0,557	0,041	512,261	10,440	9,642	4,009	2017-09-15 08:57
38,000	54,592	0,705	0,709	15678,840	15679,219	-0,546	0,040	512,281	10,564	10,942	4,270	2017-09-15 08:58
38,167	54,599	0,705	0,709	15595,621	15784,938	-0,560	0,041	512,354	10,437	10,791	4,241	2017-09-15 08:58
38,333	54,592	0,705	0,709	15503,938	15769,495	-0,550	0,041	512,354	10,264	11,016	4,285	2017-09-15 08:58
38,500	54,569	0,705	0,709	15483,677	15760,845	-0,532	0,040	516,250	10,352	11,155	4,312	2017-09-15 08:58
38,667	54,529	0,640	0,710	15464,634	14368,247	-0,522	0,041	512,261	10,518	11,362	4,352	2017-09-15 08:58
38,833	54,502	0,574	0,696	14448,565	12835,424	-0,532	0,040	512,261	10,237	11,574	4,392	2017-09-15 08:58
39,000	54,486	0,573	0,597	12410,367	13375,520	-0,529	0,040	512,354	10,582	11,549	4,387	2017-09-15 08:59
39,167	54,471	0,572	0,597	12733,990	13672,477	-0,536	0,041	512,260	10,238	11,530	4,384	2017-09-15 08:59
39,333	54,453	0,572	0,597	12870,812	13599,975	-0,532	0,041	512,261	10,562	11,794	4,434	2017-09-15 08:59
39,500	54,424	0,484	0,596	12866,780	11504,749	-0,543	0,041	512,261	10,121	11,549	4,387	2017-09-15 08:59
39,667	54,384	0,457	0,569	11741,961	10889,956	-0,539	0,040	512,123	10,193	11,460	4,370	2017-09-15 08:59
39,833	54,346	0,457	0,545	11167,476	11117,160	-0,543	0,040	512,260	10,329	11,475	4,373	2017-09-15 08:59
40,000	54,332	0,457	0,546	11189,037	11404,969	-0,543	0,041	512,124	10,331	11,641	4,405	2017-09-15 09:00
40,167	54,335	0,457	0,516	10604,272	11634,019	-0,550	0,041	512,261	10,169	11,566	4,391	2017-09-15 09:00
40,333	54,332	0,458	0,506	10649,735	11719,276	-0,539	0,041	512,261	10,121	11,619	4,400	2017-09-15 09:00
40,500	54,325	0,457	0,507	10835,267	11750,616	-0,529	0,041	512,123	9,999	11,739	4,423	2017-09-15 09:00
40,667	54,317	0,457	0,506	10934,978	11792,601	-0,546	0,040	512,124	10,125	11,528	4,383	2017-09-15 09:00
40,834	54,317	0,457	0,485	10551,369	11842,275	-0,543	0,040	512,124	10,034	11,571	4,391	2017-09-15 09:00
41,000	54,317	0,457	0,474	10535,122	11846,451	-0,550	0,041	512,123	10,039	11,596	4,396	2017-09-15 09:01
41,167	54,319	0,458	0,474	10705,589	11895,172	-0,532	0,041	512,095	10,248	11,425	4,364	2017-09-15 09:01
41,334	54,313	0,457	0,474	10844,099	11841,691	-0,546	0,040	512,123	9,970	11,758	4,427	2017-09-15 09:01

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
41,500	0,199	0,202	0,531	0,252	0,295	93,285	19,112	26,470	-10,677	17,897	19,477	19,797	20,165	19,533	80,054	57,679	74,412
41,667	0,199	0,202	0,531	0,254	0,296	93,260	19,092	26,450	-11,433	21,920	19,494	19,806	20,160	19,533	80,267	57,771	74,538
41,834	0,199	0,202	0,531	0,255	0,293	93,227	19,184	26,471	-12,438	19,874	19,535	19,855	20,218	19,592	80,331	57,845	74,738
42,000	0,199	0,202	0,531	0,248	0,296	93,147	19,141	26,417	-15,346	10,477	19,483	19,803	20,180	19,544	80,456	57,903	74,862
42,167	0,199	0,202	0,531	0,254	0,298	93,082	19,117	26,363	-14,522	18,304	19,470	19,792	20,161	19,534	80,768	57,972	74,947
42,334	0,199	0,202	0,531	0,251	0,287	93,026	19,108	26,348	-15,473	15,964	19,470	19,786	20,159	19,533	80,942	58,023	75,067
42,500	0,199	0,202	0,531	0,257	0,289	92,929	19,084	26,344	-14,841	19,575	19,474	19,793	20,156	19,529	80,958	58,041	75,209
42,667	0,199	0,202	0,530	0,253	0,297	92,912	19,079	26,313	-13,767	17,172	19,470	19,795	20,160	19,532	81,045	58,062	75,368
42,834	0,199	0,202	0,530	0,243	0,292	92,838	19,130	26,313	-14,273	18,615	19,484	19,793	20,160	19,533	81,100	58,084	75,495
43,000	0,199	0,202	0,530	0,256	0,292	92,812	19,071	26,261	-15,801	13,599	19,487	19,786	20,145	19,529	81,150	58,109	75,595
43,167	0,199	0,202	0,530	0,250	0,295	92,758	19,090	26,230	-16,428	12,787	19,487	19,803	20,176	19,538	81,223	58,138	75,684
43,333	0,199	0,202	0,530	0,251	0,291	92,620	19,064	26,214	-15,587	21,875	19,487	19,797	20,164	19,536	81,435	58,157	75,740
43,500	0,199	0,202	0,530	0,252	0,290	92,538	19,107	26,216	-12,791	22,164	19,475	19,788	20,159	19,536	81,590	58,164	75,802
43,667	0,199	0,202	0,530	0,252	0,293	92,445	19,068	26,187	-13,719	22,957	19,474	19,792	20,164	19,538	81,690	58,180	75,884
43,833	0,199	0,202	0,530	0,248	0,291	92,376	19,066	26,161	-14,141	21,077	19,477	19,802	20,177	19,538	81,570	58,186	75,992
44,000	0,199	0,202	0,530	0,254	0,288	92,309	18,980	26,131	-14,768	18,443	19,485	19,794	20,164	19,534	81,650	58,197	76,053
44,167	0,199	0,202	0,530	0,251	0,291	92,219	18,951	26,116	-8,843	19,857	19,489	19,794	20,169	19,538	81,883	58,207	76,134
44,333	0,199	0,202	0,530	0,252	0,288	92,153	19,005	26,094	-11,771	26,363	19,495	19,798	20,185	19,538	81,829	58,283	76,072
44,500	0,199	0,202	0,530	0,243	0,288	92,044	18,998	26,055	-14,099	18,890	19,469	19,794	20,155	19,536	82,055	58,283	73,922
44,667	0,199	0,202	0,530	0,243	0,296	91,933	19,009	26,009	-14,216	18,458	19,490	19,797	20,164	19,541	82,265	58,244	71,814
44,833	0,199	0,202	0,553	0,248	0,288	91,865	19,060	26,011	-13,315	16,978	19,489	19,800	20,176	19,549	82,599	58,181	70,519
45,000	0,199	0,202	0,529	0,247	0,291	91,781	19,073	25,943	-17,412	8,135	19,481	19,805	20,178	19,544	82,773	57,692	69,691
45,167	0,199	0,202	0,529	0,250	0,290	91,670	19,087	25,941	-14,039	24,566	19,483	19,796	20,177	19,544	83,042	56,884	69,059
45,333	0,199	0,202	0,529	0,250	0,290	91,525	18,899	25,887	-16,327	16,760	19,494	19,794	20,171	19,546	83,208	56,199	68,554
45,500	0,199	0,202	0,529	0,247	0,293	91,436	18,993	25,837	-17,825	12,658	19,487	19,792	20,180	19,545	83,586	55,669	68,397
45,667	0,199	0,202	0,529	0,248	0,297	91,265	19,057	25,763	-16,854	19,318	19,495	19,801	20,171	19,550	83,557	55,159	68,523
45,833	0,199	0,202	0,529	0,244	0,298	91,133	18,997	25,686	-15,097	22,165	19,501	19,814	20,189	19,561	83,709	54,854	69,724
46,000	0,199	0,202	0,529	0,254	0,292	91,009	18,948	25,654	-15,771	20,160	19,514	19,813	20,193	19,562	83,700	54,678	70,700
46,167	0,199	0,202	0,529	0,245	0,285	90,841	18,914	25,604	-13,730	26,520	19,505	19,809	20,173	19,557	83,800	54,590	71,488
46,333	0,199	0,202	0,529	0,253	0,286	90,725	19,000	25,551	-15,506	16,575	19,517	19,818	20,202	19,572	83,911	54,587	72,132
46,500	0,199	0,202	0,529	0,243	0,291	90,540	19,000	25,438	-17,405	17,892	19,493	19,809	20,172	19,548	83,907	54,658	72,715
46,667	0,199	0,202	0,529	0,250	0,290	90,377	18,935	25,382	-15,353	16,781	19,494	19,801	20,175	19,554	83,928	54,794	73,871
46,833	0,199	0,202	0,529	0,249	0,289	90,224	18,986	25,347	-14,910	16,409	19,504	19,793	20,175	19,552	83,980	54,960	74,669
47,000	0,199	0,202	0,529	0,247	0,287	89,980	19,000	25,231	-15,565	14,904	19,494	19,810	20,193	19,554	84,030	55,241	75,395
47,167	0,199	0,202	0,529	0,245	0,292	89,702	18,967	25,092	-16,956	12,957	19,507	19,813	20,183	19,562	84,097	55,549	75,854
47,334	0,199	0,202	0,542	0,249	0,287	89,408	18,975	24,952	-14,262	22,218	19,503	19,818	20,183	19,560	84,132	55,850	76,152

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
41,500	54,283	0,458	0,474	10949,983	11723,664	-0,539	0,040	512,124	10,094	11,807	4,436	2017-09-15 09:01
41,667	54,234	0,458	0,468	10904,687	11798,844	-0,553	0,040	512,123	10,162	11,827	4,440	2017-09-15 09:01
41,834	54,198	0,458	0,464	10916,087	11785,498	-0,532	0,040	512,030	10,216	11,725	4,421	2017-09-15 09:01
42,000	54,166	0,458	0,464	11003,583	11829,965	-0,525	0,040	512,030	9,923	11,821	4,439	2017-09-15 09:02
42,167	54,143	0,458	0,463	11046,439	11945,070	-0,536	0,041	512,029	10,171	11,920	4,457	2017-09-15 09:02
42,334	54,137	0,458	0,462	11091,169	12020,793	-0,539	0,040	512,029	10,035	11,496	4,377	2017-09-15 09:02
42,500	54,122	0,457	0,461	11149,413	12004,338	-0,522	0,040	512,030	10,288	11,558	4,389	2017-09-15 09:02
42,667	54,114	0,458	0,461	11230,797	12065,425	-0,532	0,040	511,935	10,123	11,890	4,452	2017-09-15 09:02
42,834	54,106	0,458	0,461	11296,056	12075,913	-0,529	0,040	511,936	9,739	11,695	4,415	2017-09-15 09:02
43,000	54,098	0,458	0,461	11360,554	12072,648	-0,525	0,040	511,935	10,224	11,676	4,411	2017-09-15 09:03
43,167	54,101	0,457	0,460	11395,781	12090,808	-0,525	0,040	511,935	9,982	11,783	4,431	2017-09-15 09:03
43,333	54,098	0,458	0,460	11422,915	12209,773	-0,532	0,041	511,935	10,051	11,636	4,404	2017-09-15 09:03
43,500	54,079	0,458	0,461	11480,357	12289,904	-0,536	0,041	511,936	10,100	11,588	4,395	2017-09-15 09:03
43,667	54,056	0,458	0,461	11529,770	12337,201	-0,536	0,041	511,935	10,095	11,710	4,418	2017-09-15 09:03
43,833	54,043	0,458	0,461	11601,601	12268,376	-0,553	0,040	511,935	9,927	11,622	4,401	2017-09-15 09:03
44,000	54,035	0,458	0,461	11635,295	12308,289	-0,563	0,040	511,936	10,152	11,513	4,380	2017-09-15 09:04
44,167	54,028	0,458	0,461	11686,137	12427,410	-0,563	0,040	511,935	10,040	11,647	4,406	2017-09-15 09:04
44,333	54,030	0,274	0,461	11651,373	7375,726	-0,539	0,040	511,842	10,095	11,518	4,381	2017-09-15 09:04
44,500	54,030	0,236	0,449	10250,805	6416,303	-0,553	0,040	511,843	9,727	11,519	4,382	2017-09-15 09:04
44,667	54,028	0,236	0,427	8708,752	6491,345	-0,546	0,041	511,843	9,736	11,831	4,441	2017-09-15 09:04
44,833	54,031	0,236	0,426	8060,862	6596,569	-0,741	0,041	516,250	9,909	11,533	4,384	2017-09-15 09:04
45,000	54,040	0,231	0,426	7639,552	6628,924	-0,751	0,041	511,748	9,870	11,640	4,405	2017-09-15 09:05
45,167	54,066	0,223	0,425	7311,771	6695,811	-0,550	0,040	511,747	10,004	11,581	4,393	2017-09-15 09:05
45,333	54,083	0,223	0,423	7012,723	6917,139	-0,543	0,040	511,748	10,019	11,618	4,400	2017-09-15 09:05
45,500	54,091	0,224	0,413	6768,885	7160,401	-0,567	0,040	511,748	9,873	11,715	4,419	2017-09-15 09:05
45,667	54,093	0,271	0,412	6820,689	8831,758	-0,553	0,040	511,748	9,903	11,881	4,450	2017-09-15 09:05
45,833	54,106	0,279	0,412	7382,847	9232,078	-0,553	0,041	511,748	9,751	11,902	4,454	2017-09-15 09:05
46,000	54,121	0,279	0,404	7682,061	9276,717	-0,539	0,041	511,748	10,148	11,685	4,413	2017-09-15 09:06
46,167	54,131	0,279	0,396	7874,654	9348,883	-0,543	0,041	511,748	9,808	11,390	4,357	2017-09-15 09:06
46,333	54,150	0,290	0,396	8161,154	9756,032	-0,550	0,042	511,654	10,118	11,421	4,363	2017-09-15 09:06
46,500	54,167	0,334	0,396	8415,030	11203,136	-0,550	0,042	511,748	9,712	11,640	4,404	2017-09-15 09:06
46,667	54,188	0,334	0,395	8905,873	11170,063	-0,532	0,041	511,748	9,993	11,590	4,395	2017-09-15 09:06
46,833	54,213	0,334	0,382	8962,052	11116,027	-0,522	0,040	511,747	9,975	11,552	4,388	2017-09-15 09:06
47,000	54,252	0,334	0,382	9262,760	11015,101	-0,525	0,041	511,654	9,873	11,492	4,377	2017-09-15 09:07
47,167	54,291	0,334	0,382	9440,813	10925,395	-0,536	0,040	511,748	9,788	11,676	4,411	2017-09-15 09:07
47,334	54,332	0,334	0,382	9552,629	10830,001	-0,532	0,040	514,135	9,945	11,481	4,374	2017-09-15 09:07

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
47,500	0,199	0,202	0,529	0,248	0,290	89,087	19,007	24,840	-14,856	23,585	19,495	19,812	20,189	19,561	84,142	56,112	76,360
47,667	0,199	0,202	0,529	0,246	0,293	88,800	19,001	24,753	-14,873	24,472	19,494	19,817	20,187	19,565	84,101	56,332	76,657
47,834	0,199	0,202	0,529	0,241	0,293	88,534	18,983	24,672	-15,441	11,294	19,506	19,822	20,172	19,560	84,054	56,515	77,104
48,000	0,199	0,202	0,529	0,245	0,288	88,298	18,940	24,594	-16,190	18,860	19,515	19,808	20,192	19,566	83,961	56,768	77,594
48,167	0,199	0,202	0,529	0,243	0,284	88,053	18,982	24,564	-12,491	25,890	19,506	19,830	20,179	19,562	83,939	57,077	78,004
48,334	0,199	0,202	0,529	0,242	0,291	87,833	19,033	24,502	-14,100	18,851	19,503	19,812	20,184	19,562	83,666	57,405	78,251
48,500	0,199	0,202	0,529	0,238	0,287	87,627	19,024	24,444	-14,779	16,498	19,520	19,808	20,188	19,566	83,651	57,690	78,405
48,667	0,199	0,202	0,529	0,237	0,289	87,388	19,042	24,430	-16,958	10,667	19,509	19,804	20,190	19,561	83,373	57,922	78,482
48,834	0,199	0,202	0,529	0,239	0,296	87,196	18,991	24,410	-14,615	23,917	19,498	19,786	20,174	19,561	83,250	58,078	78,509
49,000	0,199	0,202	0,529	0,238	0,295	87,023	18,896	24,385	-14,146	23,498	19,517	19,824	20,198	19,570	83,103	58,207	78,479
49,167	0,199	0,202	0,529	0,241	0,297	86,799	18,957	24,331	-17,970	14,578	19,513	19,825	20,180	19,572	82,977	58,294	78,423
49,334	0,199	0,202	0,529	0,240	0,290	86,611	18,953	24,313	-15,551	20,018	19,519	19,826	20,185	19,572	82,665	58,358	78,335
49,500	0,199	0,202	0,529	0,238	0,291	86,439	18,990	24,299	-14,766	21,827	19,515	19,813	20,197	19,572	82,565	58,418	78,225
49,667	0,199	0,202	0,529	0,235	0,295	86,249	18,863	24,283	-15,533	16,591	19,523	19,817	20,193	19,576	82,437	58,473	78,123
49,834	0,199	0,202	0,529	0,238	0,294	86,094	18,789	24,212	-16,377	11,689	19,507	19,824	20,193	19,574	82,213	58,506	78,006
50,000	0,199	0,202	0,529	0,239	0,293	85,899	18,842	24,214	-16,348	19,112	19,529	19,854	20,194	19,588	82,257	58,545	77,890
50,167	0,199	0,202	0,529	0,237	0,288	85,685	18,864	24,183	-16,862	14,197	19,514	19,825	20,193	19,574	81,852	58,567	77,781
50,333	0,199	0,202	0,529	0,232	0,294	85,479	18,904	24,212	-14,975	23,039	19,523	19,843	20,192	19,585	81,733	58,600	77,674
50,500	0,199	0,202	0,529	0,234	0,294	85,286	18,940	24,234	-13,925	23,888	19,514	19,833	20,197	19,582	81,702	58,599	77,565
50,667	0,199	0,202	0,529	0,234	0,297	85,104	18,966	24,200	-16,721	17,281	19,510	19,824	20,183	19,574	81,610	58,598	77,455
50,833	0,199	0,202	0,529	0,238	0,295	84,925	18,955	24,165	-14,524	17,311	19,514	19,831	20,195	19,573	81,375	58,594	77,346
51,000	0,199	0,202	0,529	0,236	0,294	84,776	18,940	24,143	-14,617	19,562	19,509	19,817	20,193	19,572	81,466	58,592	77,238
51,167	0,199	0,202	0,529	0,232	0,293	84,585	18,948	24,136	-15,753	16,222	19,522	19,821	20,191	19,574	81,249	58,572	77,131
51,333	0,199	0,202	0,529	0,235	0,298	84,415	18,790	24,156	124,886	-64,743	19,533	19,837	20,203	19,586	81,022	58,565	77,034
51,500	0,199	0,202	0,529	0,233	0,296	84,306	18,845	24,229	-18,910	15,312	19,528	19,830	20,192	19,580	80,888	58,555	76,931
51,667	0,199	0,202	0,529	0,228	0,289	84,199	18,850	24,244	-17,432	25,359	19,513	19,834	20,199	19,581	80,885	58,551	76,832
51,833	0,199	0,203	0,529	0,231	0,297	84,140	19,104	24,320	-14,094	19,329	19,533	19,845	20,208	19,593	80,582	58,544	76,726
52,000	0,199	0,202	0,529	0,232	0,296	83,995	19,076	24,314	-16,761	14,278	19,513	19,841	20,196	19,578	80,403	58,552	76,612
52,167	0,359	0,213	0,529	0,232	0,295	83,907	18,963	24,385	-15,940	13,993	19,527	19,823	20,196	19,582	80,433	58,553	76,504
52,333	0,847	0,830	0,529	0,230	0,293	83,847	18,967	24,434	-14,750	23,937	19,514	19,838	20,196	19,582	80,306	58,540	76,401
52,500	0,851	0,844	0,529	0,227	0,294	83,742	18,939	24,505	-13,860	22,540	19,527	19,837	20,211	19,589	80,246	58,551	76,296
52,667	0,851	0,845	0,529	0,224	0,287	83,670	18,956	24,568	-14,410	18,825	19,527	19,837	20,193	19,578	80,167	58,547	76,184
52,833	0,851	0,846	0,529	0,225	0,287	83,636	19,012	24,592	-15,549	18,430	19,542	19,821	20,197	19,581	80,088	58,552	76,096
53,000	0,851	0,847	0,529	0,228	0,291	83,561	18,994	24,601	-13,765	18,561	19,523	19,834	20,191	19,581	80,030	58,542	75,999
53,167	0,851	0,847	0,529	0,230	0,297	83,450	18,858	24,607	-15,892	15,490	19,521	19,844	20,215	19,589	80,046	58,532	75,919
53,333	0,851	0,847	0,529	0,230	0,290	83,422	18,730	24,648	-15,117	16,250	19,526	19,841	20,211	19,589	79,884	58,537	75,833

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
47,500	54,359	0,349	0,382	9631,504	11220,558	-0,518	0,040	511,654	9,914	11,614	4,400	2017-09-15 09:07
47,667	54,370	0,365	0,382	9749,661	11629,796	-0,518	0,040	511,654	9,822	11,740	4,423	2017-09-15 09:07
47,834	54,374	0,365	0,368	9583,298	11534,443	-0,529	0,040	511,654	9,654	11,735	4,422	2017-09-15 09:07
48,000	54,382	0,365	0,363	9660,223	11388,821	-0,525	0,041	511,655	9,783	11,509	4,380	2017-09-15 09:08
48,167	54,392	0,365	0,363	9830,569	11243,838	-0,532	0,042	511,654	9,738	11,347	4,349	2017-09-15 09:08
48,334	54,408	0,366	0,363	9923,512	11005,300	-0,522	0,041	511,654	9,690	11,637	4,404	2017-09-15 09:08
48,500	54,434	0,366	0,363	9988,488	10884,869	-0,522	0,040	511,748	9,524	11,461	4,371	2017-09-15 09:08
48,667	54,473	0,366	0,363	9991,116	10661,075	-0,543	0,040	511,654	9,476	11,555	4,388	2017-09-15 09:08
48,834	54,520	0,366	0,363	9985,414	10546,239	-0,529	0,040	511,654	9,571	11,850	4,444	2017-09-15 09:08
49,000	54,569	0,366	0,363	9942,523	10444,523	-0,522	0,040	511,655	9,521	11,786	4,432	2017-09-15 09:09
49,167	54,613	0,366	0,363	9919,272	10356,380	-0,529	0,040	511,655	9,634	11,878	4,449	2017-09-15 09:09
49,334	54,655	0,367	0,363	9866,122	10207,410	-0,515	0,041	511,654	9,601	11,613	4,399	2017-09-15 09:09
49,500	54,687	0,366	0,363	9795,687	10134,119	-0,529	0,040	511,655	9,537	11,641	4,405	2017-09-15 09:09
49,667	54,700	0,367	0,362	9729,556	10062,853	-0,525	0,040	511,655	9,393	11,794	4,434	2017-09-15 09:09
49,834	54,703	0,367	0,363	9689,208	9953,248	-0,525	0,040	511,748	9,538	11,747	4,425	2017-09-15 09:09
50,000	54,698	0,367	0,363	9653,128	9967,176	-0,511	0,040	511,748	9,573	11,718	4,419	2017-09-15 09:10
50,167	54,684	0,367	0,363	9602,378	9775,222	-0,737	0,040	511,748	9,473	11,531	4,384	2017-09-15 09:10
50,333	54,677	0,366	0,363	9569,767	9695,316	-0,511	0,040	511,748	9,282	11,773	4,430	2017-09-15 09:10
50,500	54,677	0,366	0,362	9504,247	9684,485	-0,525	0,040	511,748	9,352	11,746	4,425	2017-09-15 09:10
50,667	54,680	0,366	0,362	9461,837	9650,692	-0,525	0,039	511,748	9,341	11,870	4,448	2017-09-15 09:10
50,833	54,700	0,367	0,363	9423,323	9567,194	-0,543	0,040	511,748	9,513	11,803	4,435	2017-09-15 09:10
51,000	54,722	0,367	0,363	9363,674	9601,953	-0,522	0,040	511,748	9,420	11,744	4,424	2017-09-15 09:11
51,167	54,744	0,367	0,362	9294,134	9518,113	-0,543	0,040	511,748	9,274	11,703	4,416	2017-09-15 09:11
51,333	54,773	0,366	0,363	9253,160	9419,235	-0,550	0,040	511,748	9,419	11,926	4,458	2017-09-15 09:11
51,500	54,793	0,366	0,362	9198,097	9368,557	-0,518	0,040	511,747	9,303	11,831	4,440	2017-09-15 09:11
51,667	54,809	0,366	0,363	9154,179	9366,621	1,070	0,042	511,747	9,128	11,573	4,392	2017-09-15 09:11
51,833	54,819	0,366	0,362	9095,060	9244,329	3,015	0,073	511,748	9,233	11,872	4,448	2017-09-15 09:11
52,000	54,829	0,366	0,363	9054,072	9166,664	0,312	0,041	511,747	9,272	11,829	4,440	2017-09-15 09:12
52,167	54,839	0,366	0,362	8993,615	9169,307	1001,627	0,331	511,747	9,272	11,813	4,437	2017-09-15 09:12
52,333	54,850	0,366	0,362	8950,450	9128,786	4046,185	15,758	511,748	9,200	11,732	4,422	2017-09-15 09:12
52,500	54,869	0,366	0,362	8893,221	9099,328	4068,262	16,095	511,748	9,095	11,758	4,427	2017-09-15 09:12
52,667	54,893	0,366	0,362	8842,679	9063,566	4070,228	16,137	511,748	8,953	11,476	4,373	2017-09-15 09:12
52,833	54,922	0,367	0,362	8787,036	9037,878	4070,899	16,154	511,748	8,996	11,486	4,375	2017-09-15 09:12
53,000	54,955	0,367	0,362	8738,370	9021,105	4071,573	16,165	511,748	9,137	11,637	4,404	2017-09-15 09:13
53,167	54,991	0,366	0,362	8695,488	9024,272	4072,059	16,169	511,654	9,199	11,877	4,449	2017-09-15 09:13
53,333	55,026	0,366	0,362	8641,053	8954,542	4072,299	16,175	511,748	9,189	11,608	4,398	2017-09-15 09:13

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
53,500	0,851	0,847	0,529	0,229	0,293	83,355	18,773	24,666	-15,120	18,613	19,525	19,838	20,196	19,584	79,772	58,542	75,771
53,667	0,851	0,847	0,529	0,225	0,295	83,289	18,905	24,679	-15,060	27,723	19,526	19,850	20,203	19,590	79,885	58,541	75,715
53,833	0,846	0,847	0,529	0,220	0,290	83,205	18,882	24,675	-15,133	16,515	19,525	19,834	20,203	19,585	79,645	58,542	75,651
54,000	0,846	0,848	0,529	0,223	0,289	83,092	18,923	24,685	-15,971	11,603	19,505	19,842	20,204	19,585	79,646	58,557	75,587
54,167	0,846	0,848	0,529	0,226	0,288	83,008	18,868	24,671	-16,109	21,003	19,529	19,845	20,203	19,585	79,524	58,573	75,526
54,334	0,846	0,848	0,529	0,226	0,293	82,976	18,779	24,738	-13,658	26,942	19,538	19,863	20,216	19,605	79,511	58,595	75,459
54,500	0,846	0,848	0,529	0,226	0,291	82,837	18,819	24,715	-15,845	20,614	19,534	19,832	20,205	19,589	79,524	58,600	75,406
54,667	0,846	0,848	0,529	0,227	0,289	82,852	18,926	24,747	-16,200	16,552	19,541	19,859	20,209	19,598	79,368	58,602	75,363
54,834	0,846	0,848	0,529	0,226	0,290	82,790	18,887	24,736	-18,149	12,205	19,539	19,850	20,220	19,594	79,352	58,614	75,310
55,000	0,846	0,848	0,529	0,229	0,292	82,727	18,921	24,719	-16,267	13,882	19,535	19,849	20,221	19,596	79,306	58,623	75,260
55,167	0,846	0,848	0,529	0,228	0,295	82,704	18,848	24,722	-14,469	23,088	19,551	19,853	20,224	19,606	79,181	58,627	75,214
55,334	0,846	0,848	0,529	0,228	0,293	82,602	18,835	24,764	-15,369	15,453	19,546	19,840	20,219	19,598	79,148	58,646	75,170
55,500	0,846	0,848	0,529	0,223	0,296	82,586	18,847	24,792	-16,742	14,891	19,542	19,850	20,227	19,601	79,135	58,665	75,131
55,667	0,845	0,848	0,529	0,219	0,290	82,555	18,841	24,816	-14,642	22,598	19,541	19,842	20,212	19,596	79,097	58,685	75,082
55,834	0,846	0,848	0,529	0,222	0,292	82,536	18,888	24,859	-14,900	19,154	19,534	19,859	20,213	19,597	79,103	58,704	75,028
56,000	0,846	0,841	0,529	0,223	0,293	82,518	18,951	24,899	-15,520	20,046	19,551	19,862	20,225	19,607	79,063	58,714	74,980
56,167	0,846	0,840	0,529	0,224	0,295	82,477	18,980	24,911	-16,764	13,720	19,549	19,857	20,218	19,613	79,124	58,741	74,942
56,334	0,846	0,840	0,529	0,224	0,300	82,486	18,950	24,945	-18,139	14,059	19,572	19,877	20,235	19,621	79,158	58,747	74,915
56,500	0,846	0,840	0,529	0,223	0,288	82,440	18,888	24,921	-13,719	24,413	19,549	19,858	20,221	19,603	79,103	58,748	74,889
56,667	0,846	0,840	0,529	0,219	0,290	82,447	18,875	24,941	-15,916	12,943	19,543	19,836	20,207	19,601	79,170	58,755	74,869
56,834	0,780	0,838	0,529	0,224	0,289	82,480	18,912	24,960	-12,629	19,998	19,543	19,865	20,228	19,603	79,151	58,745	74,867
57,000	0,213	0,238	0,529	0,225	0,288	82,454	18,847	25,001	-12,029	24,951	19,545	19,856	20,215	19,603	79,163	58,741	74,866
57,167	0,200	0,206	0,529	0,223	0,294	82,424	18,891	24,996	-10,817	28,954	19,541	19,846	20,212	19,596	79,156	58,735	74,866
57,333	0,200	0,204	0,529	0,224	0,289	82,467	18,929	25,041	-15,224	16,044	19,541	19,856	20,241	19,605	79,219	58,745	74,881
57,500	0,199	0,203	0,529	0,228	0,288	82,435	18,933	25,062	-13,646	22,039	19,534	19,845	20,219	19,599	79,182	58,752	74,890
57,667	0,199	0,203	0,528	0,225	0,291	82,486	18,938	25,071	-15,070	22,730	19,545	19,848	20,227	19,601	79,209	58,755	74,892
57,833	0,199	0,203	0,528	0,224	0,284	82,524	18,920	25,089	-17,544	13,000	19,538	19,859	20,220	19,601	79,305	58,760	74,900
58,000	0,199	0,203	0,528	0,227	0,286	82,564	18,968	25,080	-16,397	21,687	19,542	19,848	20,220	19,605	79,320	58,764	74,911
58,167	0,199	0,202	0,528	0,223	0,288	82,549	19,023	25,019	-15,715	24,182	19,539	19,853	20,219	19,602	79,385	58,774	74,921
58,333	0,199	0,202	0,528	0,228	0,291	82,529	19,077	24,978	-16,984	22,907	19,537	19,841	20,217	19,603	79,418	58,776	74,924
58,500	0,199	0,202	0,528	0,227	0,290	82,560	19,047	24,975	-17,661	22,398	19,541	19,861	20,220	19,607	79,475	58,772	74,951
58,667	0,199	0,202	0,528	0,226	0,295	82,531	19,079	24,974	-15,228	27,066	19,546	19,853	20,207	19,603	79,503	58,757	74,982
58,833	0,199	0,202	0,528	0,225	0,292	82,577	19,052	25,036	-15,545	24,989	19,554	19,863	20,215	19,606	79,584	58,747	75,012
59,000	0,199	0,202	0,528	0,219	0,291	82,678	19,057	25,076	-17,125	21,546	19,551	19,854	20,221	19,609	79,658	58,748	75,048
59,167	0,199	0,202	0,528	0,219	0,285	82,751	19,044	25,135	-16,007	20,753	19,558	19,881	20,216	19,611	79,746	58,744	75,086
59,333	0,199	0,202	0,528	0,226	0,292	82,761	19,049	25,146	-14,911	26,304	19,547	19,858	20,235	19,611	79,884	58,743	75,115

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
53,500	55,060	0,367	0,362	8602,112	8909,689	4072,264	16,180	511,655	9,177	11,731	4,422	2017-09-15 09:13
53,667	55,090	0,366	0,362	8561,622	8945,265	4072,285	16,181	511,748	8,983	11,789	4,433	2017-09-15 09:13
53,833	55,111	0,366	0,362	8514,441	8842,962	4036,491	16,184	511,654	8,783	11,588	4,395	2017-09-15 09:13
54,000	55,131	0,366	0,362	8484,131	8834,298	4036,505	16,188	511,748	8,913	11,547	4,387	2017-09-15 09:14
54,167	55,157	0,367	0,362	8454,700	8789,331	4036,696	16,189	511,748	9,047	11,539	4,385	2017-09-15 09:14
54,334	55,181	0,366	0,362	8410,940	8771,485	4036,491	16,191	511,673	9,042	11,708	4,417	2017-09-15 09:14
54,500	55,205	0,367	0,362	8381,062	8782,288	4036,512	16,193	511,748	9,052	11,624	4,402	2017-09-15 09:14
54,667	55,237	0,367	0,362	8349,649	8713,536	4036,293	16,195	511,654	9,068	11,567	4,391	2017-09-15 09:14
54,834	55,265	0,366	0,362	8311,042	8698,102	4036,276	16,195	511,748	9,037	11,589	4,395	2017-09-15 09:14
55,000	55,289	0,366	0,362	8280,823	8676,893	4036,074	16,196	511,748	9,162	11,667	4,410	2017-09-15 09:15
55,167	55,316	0,366	0,362	8251,374	8620,412	4036,099	16,199	511,654	9,116	11,815	4,437	2017-09-15 09:15
55,334	55,343	0,367	0,362	8222,274	8603,774	4036,321	16,198	511,654	9,112	11,702	4,416	2017-09-15 09:15
55,500	55,367	0,367	0,362	8203,081	8593,013	4036,106	16,198	511,654	8,925	11,834	4,441	2017-09-15 09:15
55,667	55,372	0,367	0,362	8174,319	8563,682	4035,897	16,198	511,654	8,767	11,619	4,401	2017-09-15 09:15
55,834	55,368	0,366	0,362	8154,167	8555,686	4036,071	16,200	511,654	8,877	11,699	4,416	2017-09-15 09:15
56,000	55,362	0,367	0,362	8129,687	8543,310	4036,074	16,024	511,654	8,914	11,710	4,418	2017-09-15 09:16
56,167	55,355	0,367	0,362	8117,606	8556,873	4036,738	16,011	511,654	8,974	11,800	4,435	2017-09-15 09:16
56,334	55,362	0,367	0,362	8111,272	8570,805	4036,731	16,010	511,654	8,953	11,995	4,471	2017-09-15 09:16
56,500	55,367	0,367	0,362	8106,251	8546,379	4036,755	16,012	511,654	8,905	11,534	4,385	2017-09-15 09:16
56,667	55,382	0,367	0,362	8083,787	8578,247	4036,766	16,011	511,655	8,757	11,614	4,400	2017-09-15 09:16
56,834	55,384	0,367	0,362	8079,283	8564,213	3630,035	15,946	511,654	8,946	11,568	4,391	2017-09-15 09:16
57,000	55,382	0,367	0,362	8072,194	8571,883	88,303	0,940	511,654	8,997	11,524	4,383	2017-09-15 09:17
57,167	55,383	0,366	0,362	8072,243	8560,951	10,305	0,151	511,655	8,910	11,760	4,427	2017-09-15 09:17
57,333	55,392	0,367	0,362	8080,937	8599,213	5,260	0,099	511,654	8,961	11,559	4,389	2017-09-15 09:17
57,500	55,388	0,367	0,362	8097,016	8572,974	4,165	0,084	511,654	9,134	11,500	4,378	2017-09-15 09:17
57,667	55,370	0,367	0,362	8096,964	8587,509	4,141	0,080	511,561	9,019	11,620	4,401	2017-09-15 09:17
57,833	55,344	0,367	0,362	8101,881	8624,933	3,728	0,070	511,560	8,957	11,365	4,352	2017-09-15 09:17
58,000	55,322	0,367	0,362	8120,728	8630,054	2,470	0,063	511,560	9,067	11,443	4,367	2017-09-15 09:18
58,167	55,309	0,366	0,361	8114,651	8646,031	2,032	0,061	511,560	8,930	11,538	4,385	2017-09-15 09:18
58,333	55,304	0,367	0,361	8121,653	8664,306	1,618	0,058	511,560	9,136	11,622	4,401	2017-09-15 09:18
58,500	55,293	0,367	0,361	8143,629	8686,053	1,205	0,054	511,560	9,070	11,593	4,396	2017-09-15 09:18
58,667	55,279	0,367	0,361	8154,935	8703,632	0,983	0,053	511,560	9,022	11,804	4,436	2017-09-15 09:18
58,833	55,257	0,366	0,361	8181,086	8733,990	0,778	0,052	511,560	9,014	11,691	4,414	2017-09-15 09:18
59,000	55,237	0,366	0,361	8207,464	8771,956	0,785	0,051	511,560	8,772	11,637	4,404	2017-09-15 09:19
59,167	55,225	0,367	0,362	8230,457	8820,301	0,562	0,049	511,467	8,755	11,409	4,361	2017-09-15 09:19
59,333	55,216	0,367	0,361	8242,439	8874,904	0,552	0,049	511,559	9,043	11,662	4,409	2017-09-15 09:19

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
59,500	0,199	0,202	0,528	0,224	0,290	82,766	19,048	25,136	-17,994	11,045	19,549	19,864	20,212	19,613	80,102	58,739	75,160
59,667	0,199	0,202	0,528	0,224	0,290	82,780	19,074	25,155	-14,806	28,751	19,567	19,865	20,222	19,617	80,273	58,736	75,217
59,833	0,199	0,202	0,528	0,225	0,293	82,835	19,106	25,166	-17,121	14,087	19,549	19,862	20,225	19,614	80,282	58,732	75,286
60,000	0,199	0,202	0,528	0,226	0,289	82,871	19,103	25,167	-17,451	18,331	19,554	19,860	20,227	19,609	80,443	58,723	75,366
60,167	0,199	0,202	0,528	0,220	0,289	82,953	19,097	25,179	-14,686	23,779	19,551	19,869	20,224	19,614	80,510	58,727	75,459
60,333	0,199	0,202	0,528	0,224	0,288	82,994	19,060	25,185	-16,757	15,346	19,555	19,878	20,236	19,614	80,727	58,725	75,560
60,500	0,199	0,202	0,528	0,226	0,290	83,090	19,095	25,193	-14,976	27,194	19,566	19,875	20,241	19,617	80,858	58,721	75,652
60,667	0,199	0,202	0,527	0,230	0,292	83,135	19,110	25,230	-15,695	16,864	19,548	19,874	20,228	19,619	80,991	58,728	75,749
60,834	0,199	0,202	0,527	0,228	0,286	83,218	19,134	25,237	-15,661	22,266	19,558	19,847	20,218	19,610	81,096	58,729	75,844
61,000	0,199	0,202	0,527	0,226	0,295	83,271	19,143	25,222	-17,215	11,079	19,547	19,865	20,225	19,609	81,150	58,731	75,960
61,167	0,199	0,202	0,527	0,224	0,291	83,254	19,157	25,239	-13,899	27,356	19,578	19,865	20,232	19,619	81,247	58,739	76,080
61,334	0,199	0,202	0,527	0,224	0,289	83,331	19,202	25,211	-15,410	18,494	19,559	19,875	20,228	19,611	81,415	58,733	76,173
61,500	0,199	0,202	0,527	0,220	0,291	83,428	19,227	25,200	-17,294	15,017	19,553	19,858	20,233	19,615	81,390	58,739	76,270
61,667	0,199	0,202	0,527	0,225	0,285	83,529	19,218	25,217	-15,074	15,283	19,545	19,872	20,233	19,622	81,481	58,737	76,356
61,834	0,199	0,202	0,527	0,223	0,289	83,610	19,196	25,201	-14,393	21,111	19,568	19,859	20,228	19,619	81,596	58,740	76,428
62,000	0,199	0,202	0,527	0,225	0,291	83,697	19,212	25,191	-15,287	17,704	19,557	19,862	20,228	19,619	81,735	58,743	76,508
62,167	0,199	0,202	0,527	0,211	0,286	83,781	19,172	25,141	-15,122	15,179	19,551	19,882	20,231	19,617	81,837	58,739	76,586
62,334	0,199	0,202	0,527	0,223	0,295	83,809	19,187	25,144	-15,645	14,354	19,559	19,877	20,239	19,623	81,934	58,744	76,659
62,500	0,199	0,202	0,527	0,225	0,291	83,798	19,199	25,110	-15,243	20,963	19,554	19,873	20,223	19,618	82,024	58,751	76,738
62,667	0,199	0,202	0,527	0,224	0,291	83,715	19,212	25,143	-15,006	19,243	19,569	19,882	20,251	19,631	82,082	58,745	76,817
62,834	0,199	0,202	0,527	0,226	0,291	83,659	19,150	25,131	-15,150	20,229	19,555	19,869	20,227	19,617	82,105	58,744	76,899
63,000	0,199	0,202	0,527	0,225	0,294	83,648	19,165	25,131	-16,313	17,883	19,559	19,882	20,227	19,623	82,250	58,741	76,977
63,167	0,199	0,202	0,527	0,225	0,291	83,640	19,183	25,156	-15,389	18,142	19,566	19,878	20,234	19,626	82,399	58,739	77,040
63,334	0,199	0,202	0,527	0,222	0,290	83,672	19,221	25,147	-17,241	9,589	19,573	19,881	20,235	19,627	82,430	58,736	77,097
63,500	0,199	0,202	0,527	0,220	0,291	83,719	19,192	25,121	-13,931	22,508	19,573	19,883	20,228	19,627	82,629	58,737	77,161
63,667	0,199	0,202	0,527	0,220	0,286	83,751	19,202	25,061	-15,122	14,761	19,550	19,869	20,216	19,618	82,652	58,735	77,231
63,833	0,199	0,202	0,526	0,219	0,288	83,734	19,216	25,082	-16,676	15,532	19,570	19,872	20,240	19,631	82,692	58,732	77,319
64,000	0,199	0,202	0,526	0,219	0,294	83,782	19,197	25,105	-15,048	25,022	19,573	19,876	20,234	19,629	82,741	58,731	77,408
64,167	0,199	0,202	0,526	0,223	0,286	83,798	19,187	25,114	-17,282	11,407	19,569	19,886	20,230	19,623	82,727	58,727	77,486
64,333	0,199	0,202	0,526	0,224	0,285	83,856	19,161	25,097	-14,818	22,589	19,573	19,889	20,241	19,629	82,845	58,733	77,573
64,500	0,199	0,202	0,526	0,219	0,298	83,892	19,198	25,081	-14,777	22,612	19,568	19,895	20,242	19,638	82,829	58,737	77,633
64,667	0,199	0,201	0,526	0,224	0,292	83,831	19,184	25,034	-15,231	19,565	19,579	19,889	20,232	19,631	82,891	58,745	77,678
64,833	0,199	0,201	0,526	0,228	0,288	83,842	19,212	25,004	-15,338	17,471	19,571	19,889	20,239	19,634	82,937	58,753	77,720
65,000	0,199	0,201	0,526	0,219	0,291	83,793	19,199	24,983	-16,981	14,620	19,587	19,897	20,243	19,634	82,938	58,760	77,759
65,167	0,199	0,201	0,526	0,221	0,296	83,726	19,186	24,943	-16,468	15,517	19,575	19,894	20,249	19,634	82,987	58,755	77,794
65,333	0,199	0,201	0,526	0,218	0,287	83,589	19,191	24,949	-15,434	22,407	19,569	19,882	20,244	19,631	83,033	58,753	77,823

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
59,500	55,200	0,367	0,362	8273,972	8971,576	0,333	0,046	511,468	8,948	11,585	4,394	2017-09-15 09:19
59,667	55,185	0,367	0,362	8300,157	9049,730	0,343	0,046	511,468	8,949	11,610	4,399	2017-09-15 09:19
59,833	55,163	0,367	0,361	8335,397	9048,431	0,135	0,046	511,468	8,992	11,707	4,417	2017-09-15 09:19
60,000	55,142	0,366	0,362	8379,706	9111,700	0,124	0,045	511,467	9,026	11,547	4,387	2017-09-15 09:20
60,167	55,123	0,366	0,361	8415,064	9134,378	0,128	0,044	511,468	8,795	11,573	4,392	2017-09-15 09:20
60,333	55,107	0,367	0,361	8463,746	9251,084	-0,091	0,043	511,468	8,940	11,531	4,384	2017-09-15 09:20
60,500	55,082	0,367	0,361	8510,302	9294,834	-0,074	0,045	511,468	9,043	11,581	4,393	2017-09-15 09:20
60,667	55,056	0,367	0,361	8561,861	9349,847	-0,084	0,046	511,325	9,182	11,700	4,416	2017-09-15 09:20
60,834	55,022	0,367	0,361	8607,161	9385,776	-0,087	0,045	511,325	9,103	11,450	4,368	2017-09-15 09:20
61,000	55,001	0,367	0,361	8670,579	9409,409	-0,094	0,042	511,325	9,047	11,811	4,437	2017-09-15 09:21
61,167	54,984	0,367	0,361	8725,462	9452,583	-0,292	0,042	511,325	8,956	11,640	4,405	2017-09-15 09:21
61,334	54,965	0,367	0,361	8775,638	9524,361	-0,306	0,041	511,325	8,941	11,572	4,392	2017-09-15 09:21
61,500	54,952	0,367	0,361	8818,448	9524,630	-0,317	0,041	511,325	8,799	11,642	4,405	2017-09-15 09:21
61,667	54,929	0,367	0,361	8862,554	9548,236	-0,324	0,041	511,325	9,013	11,385	4,356	2017-09-15 09:21
61,834	54,909	0,367	0,361	8906,491	9604,084	-0,334	0,040	511,232	8,918	11,558	4,389	2017-09-15 09:21
62,000	54,892	0,367	0,361	8939,871	9655,977	-0,327	0,040	511,232	9,011	11,645	4,405	2017-09-15 09:22
62,167	54,869	0,366	0,360	8973,071	9691,752	-0,525	0,039	511,325	8,450	11,443	4,367	2017-09-15 09:22
62,334	54,850	0,367	0,361	9014,231	9732,000	-0,515	0,039	511,231	8,922	11,804	4,436	2017-09-15 09:22
62,500	54,827	0,367	0,361	9074,539	9772,529	-0,511	0,039	511,231	8,986	11,655	4,407	2017-09-15 09:22
62,667	54,803	0,366	0,360	9096,049	9788,383	-0,515	0,039	511,231	8,962	11,658	4,408	2017-09-15 09:22
62,834	54,781	0,366	0,360	9136,817	9792,993	-0,508	0,039	511,232	9,042	11,623	4,401	2017-09-15 09:22
63,000	54,762	0,367	0,361	9188,997	9884,273	-0,501	0,038	511,232	9,014	11,770	4,429	2017-09-15 09:23
63,167	54,748	0,367	0,361	9225,741	9944,670	-0,494	0,038	511,231	9,001	11,642	4,405	2017-09-15 09:23
63,334	54,739	0,367	0,361	9247,639	9958,222	-0,515	0,038	511,232	8,885	11,600	4,397	2017-09-15 09:23
63,500	54,730	0,367	0,361	9283,428	10033,531	-0,518	0,038	511,232	8,792	11,626	4,402	2017-09-15 09:23
63,667	54,723	0,367	0,361	9303,943	10040,957	-0,518	0,038	511,232	8,790	11,453	4,369	2017-09-15 09:23
63,833	54,710	0,367	0,361	9353,384	10056,771	-0,518	0,038	511,138	8,747	11,533	4,384	2017-09-15 09:23
64,000	54,702	0,367	0,361	9394,400	10083,560	-0,494	0,038	511,138	8,767	11,743	4,424	2017-09-15 09:24
64,167	54,686	0,366	0,361	9437,843	10070,438	-0,529	0,038	511,138	8,937	11,457	4,370	2017-09-15 09:24
64,333	54,672	0,367	0,361	9480,017	10129,608	-0,508	0,038	511,138	8,954	11,385	4,356	2017-09-15 09:24
64,500	54,653	0,367	0,361	9506,424	10117,660	-0,515	0,038	511,138	8,760	11,901	4,454	2017-09-15 09:24
64,667	54,636	0,367	0,361	9534,784	10137,997	-0,497	0,037	511,138	8,965	11,678	4,412	2017-09-15 09:24
64,833	54,616	0,367	0,361	9551,228	10149,472	-0,518	0,037	511,138	9,137	11,522	4,382	2017-09-15 09:24
65,000	54,605	0,366	0,361	9574,564	10141,385	-0,511	0,037	511,138	8,756	11,646	4,406	2017-09-15 09:25
65,167	54,611	0,366	0,361	9592,646	10156,250	-0,508	0,037	511,138	8,842	11,826	4,440	2017-09-15 09:25
65,333	54,621	0,367	0,361	9596,562	10196,670	-0,511	0,036	511,138	8,716	11,473	4,373	2017-09-15 09:25

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
65,500	0,199	0,201	0,526	0,226	0,288	83,585	19,217	24,932	-17,980	10,104	19,575	19,903	20,243	19,638	83,084	58,744	77,854
65,667	0,199	0,201	0,526	0,224	0,295	83,527	19,233	24,913	-14,899	21,235	19,573	19,880	20,235	19,630	83,118	58,741	77,882
65,833	0,199	0,201	0,526	0,223	0,291	83,394	19,260	24,807	-14,411	19,722	19,571	19,891	20,234	19,635	83,170	58,744	77,909
66,000	0,199	0,201	0,526	0,223	0,290	83,146	19,264	24,677	-15,723	17,599	19,581	19,897	20,235	19,638	83,234	58,745	77,940
66,167	0,199	0,201	0,526	0,217	0,292	82,916	19,277	24,528	-16,434	16,828	19,585	19,890	20,248	19,639	83,293	58,747	77,985
66,333	0,199	0,201	0,526	0,216	0,291	82,727	19,268	24,435	-15,464	14,495	19,586	19,906	20,235	19,643	83,309	58,752	78,024
66,500	0,199	0,201	0,526	0,214	0,290	82,532	19,287	24,343	-16,864	16,730	19,591	19,897	20,255	19,647	83,188	58,761	78,066
66,667	0,199	0,201	0,526	0,221	0,291	82,314	19,291	24,265	-16,438	13,642	19,586	19,902	20,247	19,643	83,151	58,771	78,115
66,833	0,199	0,201	0,526	0,219	0,285	82,127	19,421	24,196	-13,924	24,015	19,585	19,900	20,244	19,647	83,150	58,772	78,150
67,000	0,199	0,201	0,526	0,217	0,290	82,011	19,297	24,188	-15,674	14,662	19,579	19,902	20,244	19,647	83,115	58,783	78,174
67,167	0,199	0,201	0,526	0,218	0,294	81,780	19,216	24,158	-15,350	16,097	19,583	19,907	20,259	19,646	83,122	58,784	78,169
67,333	0,199	0,201	0,526	0,217	0,295	81,548	19,230	24,134	-14,776	17,955	19,581	19,888	20,242	19,647	82,927	58,788	78,159
67,500	0,199	0,201	0,526	0,218	0,286	81,386	19,253	24,120	-16,565	13,725	19,581	19,911	20,253	19,642	82,853	58,784	78,142
67,667	0,199	0,201	0,526	0,213	0,287	81,233	19,288	24,091	-16,089	22,864	19,587	19,900	20,238	19,645	82,739	58,792	78,129
67,834	0,199	0,201	0,526	0,215	0,296	81,120	19,288	24,065	-15,922	16,142	19,582	19,901	20,244	19,645	82,662	58,784	78,104
68,000	0,199	0,201	0,526	0,216	0,293	80,962	19,285	23,988	-15,717	21,473	19,583	19,902	20,251	19,646	82,503	58,794	78,067
68,167	0,199	0,201	0,526	0,217	0,295	80,789	19,276	23,979	-14,677	22,063	19,583	19,903	20,244	19,646	82,372	58,807	78,016
68,334	0,199	0,201	0,526	0,216	0,293	80,675	19,293	23,955	-17,614	13,449	19,585	19,905	20,257	19,645	82,233	58,808	77,947
68,500	0,199	0,201	0,526	0,216	0,295	80,543	19,297	23,960	-14,817	24,359	19,582	19,911	20,252	19,643	82,049	58,821	77,871
68,667	0,199	0,201	0,526	0,220	0,290	80,422	19,330	23,955	-16,960	14,918	19,591	19,900	20,257	19,647	81,917	58,841	77,793
68,834	0,199	0,201	0,526	0,215	0,289	80,313	19,264	23,936	-14,632	24,399	19,574	19,909	20,239	19,643	81,735	58,829	77,704
69,000	0,199	0,201	0,526	0,212	0,292	80,168	19,270	23,898	-15,993	14,982	19,585	19,907	20,238	19,649	81,764	58,829	77,593
69,167	0,199	0,201	0,526	0,213	0,296	80,055	19,309	23,899	-17,830	15,510	19,577	19,914	20,250	19,647	81,636	58,822	77,489
69,334	0,199	0,201	0,526	0,214	0,294	79,951	19,299	23,881	-14,624	24,822	19,598	19,926	20,258	19,653	81,519	58,802	77,382
69,500	0,199	0,201	0,526	0,216	0,289	79,823	19,371	23,892	-15,323	13,942	19,601	19,911	20,256	19,657	81,193	58,796	77,277
69,667	0,199	0,201	0,526	0,215	0,293	79,682	19,309	23,876	-15,098	20,994	19,597	19,915	20,254	19,653	81,161	58,771	77,166
69,834	0,199	0,201	0,526	0,213	0,297	79,583	19,314	23,849	-15,129	21,312	19,586	19,927	20,264	19,655	80,880	58,748	77,066
70,000	0,199	0,201	0,526	0,219	0,288	79,503	19,338	15,651	-18,029	19,800	19,589	19,914	20,262	19,657	80,729	58,747	76,965
70,167	0,218	0,245	0,526	0,217	0,290	79,474	19,360	8,709	-12,295	16,560	19,590	19,925	20,266	19,662	80,610	58,741	76,863
70,485	0,231	0,386	0,526	0,214	0,288	79,281	19,294	17,605	-17,203	11,437	19,590	19,929	20,260	19,661	80,397	58,724	76,649
70,650	0,237	0,389	0,526	0,213	0,292	79,164	19,300	17,930	-14,299	20,249	19,603	19,934	20,281	19,663	80,374	58,727	76,515
70,800	0,229	0,385	0,526	0,210	0,294	79,037	19,278	12,777	-15,727	29,696	19,588	19,926	20,267	19,661	80,138	58,721	76,404
71,031	0,231	0,384	0,526	0,214	0,290	78,875	19,224	16,212	-17,701	20,222	19,591	19,930	20,263	19,661	79,934	58,705	76,261
71,089	0,233	0,383	0,526	0,213	0,287	78,876	19,215	16,850	-13,722	9,278	19,612	19,933	20,277	19,662	79,911	58,686	76,223
71,167	0,236	0,381	0,526	0,213	0,282	78,817	19,248	26,288	-8,741	26,357	19,589	19,943	20,259	19,662	80,039	58,697	76,177
71,333	0,229	0,381	0,526	0,214	0,294	78,682	19,197	23,887	-14,171	25,167	19,599	19,929	20,270	19,666	79,878	58,663	76,060

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
65,500	54,636	0,367	0,361	9609,289	10214,708	-0,515	0,036	511,138	9,059	11,528	4,383	2017-09-15 09:25
65,667	54,647	0,367	0,361	9605,520	10234,187	-0,511	0,036	511,044	8,966	11,816	4,438	2017-09-15 09:25
65,833	54,648	0,366	0,361	9626,268	10248,318	-0,716	0,036	511,044	8,930	11,633	4,403	2017-09-15 09:25
66,000	54,645	0,367	0,361	9639,552	10277,198	-0,734	0,036	511,044	8,933	11,600	4,397	2017-09-15 09:26
66,167	54,644	0,366	0,361	9661,008	10298,879	-0,518	0,036	511,043	8,667	11,677	4,412	2017-09-15 09:26
66,333	54,637	0,367	0,361	9670,873	10316,569	-0,529	0,036	511,044	8,648	11,646	4,406	2017-09-15 09:26
66,500	54,625	0,367	0,361	9690,586	10251,737	-0,508	0,036	511,044	8,541	11,587	4,394	2017-09-15 09:26
66,667	54,617	0,367	0,361	9720,907	10235,846	-0,515	0,036	511,044	8,843	11,647	4,406	2017-09-15 09:26
66,833	54,609	0,367	0,361	9734,687	10235,724	-0,518	0,036	511,044	8,771	11,401	4,359	2017-09-15 09:26
67,000	54,615	0,366	0,360	9733,017	10203,341	-0,695	0,036	511,044	8,669	11,613	4,399	2017-09-15 09:27
67,167	54,639	0,367	0,360	9722,425	10219,343	-0,709	0,036	511,044	8,708	11,759	4,427	2017-09-15 09:27
67,333	54,668	0,367	0,360	9700,380	10135,085	-0,522	0,036	511,044	8,678	11,805	4,436	2017-09-15 09:27
67,500	54,691	0,367	0,360	9682,644	10106,223	-0,529	0,036	511,044	8,719	11,439	4,366	2017-09-15 09:27
67,667	54,707	0,367	0,360	9678,424	10056,829	-0,737	0,036	511,044	8,521	11,491	4,376	2017-09-15 09:27
67,834	54,720	0,367	0,360	9653,008	10021,031	-0,536	0,035	511,044	8,597	11,835	4,441	2017-09-15 09:27
68,000	54,727	0,367	0,360	9631,020	9951,006	-0,515	0,036	511,046	8,638	11,737	4,423	2017-09-15 09:28
68,167	54,724	0,366	0,360	9613,314	9874,249	-0,727	0,036	511,044	8,687	11,783	4,431	2017-09-15 09:28
68,334	54,727	0,367	0,360	9589,720	9831,128	-0,716	0,036	511,044	8,623	11,702	4,416	2017-09-15 09:28
68,500	54,724	0,367	0,360	9556,879	9749,418	-0,511	0,036	511,044	8,651	11,811	4,437	2017-09-15 09:28
68,667	54,723	0,367	0,360	9530,022	9690,089	-0,723	0,036	511,044	8,798	11,609	4,399	2017-09-15 09:28
68,834	54,727	0,367	0,360	9492,403	9617,859	-0,734	0,036	511,044	8,605	11,546	4,387	2017-09-15 09:28
69,000	54,736	0,366	0,360	9433,407	9616,446	-0,734	0,036	511,044	8,474	11,683	4,413	2017-09-15 09:29
69,167	54,755	0,366	0,360	9384,216	9567,009	-0,727	0,036	511,138	8,520	11,846	4,443	2017-09-15 09:29
69,334	54,779	0,367	0,360	9339,148	9538,368	-0,741	0,035	511,138	8,558	11,775	4,430	2017-09-15 09:29
69,500	54,799	0,367	0,360	9286,214	9399,665	-0,720	0,036	511,138	8,623	11,568	4,391	2017-09-15 09:29
69,667	54,822	0,367	0,360	9223,704	9396,218	-0,702	0,035	511,138	8,595	11,736	4,423	2017-09-15 09:29
69,834	54,837	0,366	0,360	9172,085	9275,980	-0,723	0,036	511,043	8,517	11,875	4,449	2017-09-15 09:29
70,000	54,842	0,366	0,360	9123,173	9214,606	-0,709	0,036	511,137	8,754	11,536	4,385	2017-09-15 09:30
70,167	54,852	0,366	0,360	9094,264	9172,544	120,198	1,128	511,138	8,687	11,609	4,399	2017-09-15 09:30
70,485	54,854	0,367	0,360	9001,999	9098,888	202,102	4,656	511,138	8,541	11,531	4,384	2017-09-15 09:30
70,650	54,858	0,367	0,361	8955,160	9097,850	241,252	4,718	511,138	8,517	11,672	4,411	2017-09-15 09:30
70,800	54,862	0,367	0,360	8896,982	8988,894	190,469	4,621	511,138	8,406	11,757	4,427	2017-09-15 09:30
71,031	54,880	0,367	0,360	8835,392	8918,544	198,669	4,601	511,138	8,543	11,594	4,396	2017-09-15 09:31
71,089	54,885	0,365	0,359	8784,814	8877,366	214,186	4,565	511,138	8,519	11,487	4,376	2017-09-15 09:31
71,167	54,897	0,366	0,360	8791,211	8952,617	230,349	4,525	511,138	8,534	11,287	4,337	2017-09-15 09:31
71,333	54,914	0,366	0,360	8736,091	8900,270	187,196	4,521	511,138	8,547	11,779	4,431	2017-09-15 09:31

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
71,500	0,235	0,383	0,526	0,210	0,293	78,550	19,202	15,653	-16,572	22,901	19,588	19,938	20,262	19,665	79,677	58,655	75,952
71,667	0,243	0,387	0,526	0,212	0,289	78,458	19,241	18,229	-13,877	16,288	19,584	19,940	20,263	19,667	79,582	58,637	75,854
71,833	0,235	0,400	0,526	0,211	0,288	78,358	19,261	18,739	-17,006	17,658	19,618	19,941	20,287	19,677	79,453	58,626	75,764
72,000	0,233	0,399	0,526	0,210	0,291	78,270	19,266	18,537	-12,473	21,117	19,617	19,934	20,274	19,677	79,309	58,612	75,667
72,167	0,236	0,400	0,526	0,209	0,293	78,175	19,104	14,167	-16,828	20,202	19,605	19,948	20,268	19,673	79,372	58,603	75,556
72,333	0,235	0,407	0,526	0,209	0,289	78,088	19,146	15,359	-14,957	15,720	19,607	19,946	20,279	19,673	79,165	58,596	75,449
72,500	0,235	0,402	0,526	0,208	0,296	77,981	19,218	16,390	-14,972	21,758	19,606	19,943	20,278	19,674	79,022	58,575	75,362
72,667	0,237	0,385	0,526	0,210	0,291	77,848	19,139	17,838	-13,489	11,472	19,602	19,939	20,268	19,670	78,922	58,569	75,271
72,833	0,241	0,363	0,526	0,212	0,291	77,686	19,111	23,137	-14,438	25,382	19,607	19,947	20,287	19,679	78,822	58,561	75,177
73,000	0,235	0,346	0,526	0,209	0,289	77,592	19,095	16,477	-14,843	17,402	19,592	19,946	20,284	19,671	78,583	58,551	75,083
73,167	0,228	0,354	0,526	0,210	0,290	77,481	19,146	20,255	-13,096	15,955	19,600	19,947	20,267	19,677	78,518	58,521	74,988
73,333	0,230	0,364	0,526	0,209	0,290	77,375	19,194	22,712	-14,088	18,461	19,611	19,952	20,268	19,677	78,417	58,525	74,893
73,500	0,232	0,362	0,526	0,208	0,293	77,236	19,188	16,742	-16,039	19,800	19,611	19,945	20,276	19,677	78,301	58,512	74,794
73,667	0,238	0,345	0,526	0,206	0,297	77,126	19,212	17,261	-14,499	20,359	19,613	19,949	20,278	19,683	78,087	58,504	74,680
73,833	0,245	0,335	0,526	0,209	0,296	77,035	19,181	17,111	-15,017	16,726	19,613	19,956	20,276	19,680	77,923	58,491	74,588
74,000	0,241	0,332	0,527	0,210	0,290	76,936	19,200	22,747	-13,781	17,280	19,616	19,968	20,270	19,688	77,745	58,471	74,491
74,167	0,231	0,337	0,526	0,208	0,288	76,809	19,188	24,591	-13,709	21,841	19,614	19,947	20,286	19,682	77,646	58,454	74,391
74,333	0,231	0,350	0,526	0,209	0,293	76,760	19,222	21,811	-15,652	22,565	19,618	19,956	20,283	19,684	77,567	58,455	74,280
74,500	0,227	0,362	0,526	0,204	0,291	76,650	19,158	18,026	-15,005	16,445	19,613	19,964	20,284	19,686	77,569	58,465	74,176
74,667	0,224	0,376	0,526	0,205	0,290	76,597	19,128	22,286	-14,292	19,593	19,609	19,952	20,275	19,682	77,422	58,461	74,073
74,834	0,231	0,392	0,526	0,206	0,285	76,639	19,033	20,952	-15,546	23,579	19,626	19,971	20,300	19,694	77,273	58,458	73,971
75,000	0,235	0,388	0,526	0,208	0,288	76,668	19,112	17,443	-14,600	11,165	19,618	19,960	20,294	19,690	77,156	58,447	73,872
75,167	0,233	0,375	0,526	0,208	0,290	76,689	19,070	19,255	-15,209	24,997	19,606	19,956	20,283	19,683	77,040	58,457	73,768
75,334	0,230	0,371	0,526	0,207	0,285	76,719	19,119	21,006	-14,777	17,838	19,602	19,958	20,283	19,683	76,900	58,444	73,671
75,500	0,221	0,373	0,526	0,204	0,290	76,752	19,038	17,367	-15,517	24,418	19,627	19,964	20,290	19,692	76,874	58,431	73,587
75,667	0,224	0,390	0,526	0,209	0,292	76,804	19,029	17,079	-14,879	16,951	19,626	19,983	20,291	19,692	76,811	58,428	73,501
75,834	0,228	0,410	0,526	0,207	0,291	76,873	19,106	20,251	-14,278	21,295	19,610	19,963	20,288	19,694	76,758	58,431	73,421
76,000	0,227	0,422	0,526	0,209	0,289	76,844	19,173	22,194	-14,157	20,736	19,618	19,981	20,295	19,695	76,834	58,426	73,341
76,167	0,232	0,420	0,526	0,216	0,287	76,928	19,091	21,716	-13,810	25,548	19,617	19,964	20,279	19,690	76,661	58,418	73,266
76,334	0,236	0,416	0,526	0,206	0,291	76,967	19,089	24,354	-14,303	21,212	19,606	19,958	20,288	19,686	76,698	58,407	73,189
76,500	0,234	0,413	0,526	0,206	0,286	77,060	19,108	24,448	-16,084	20,164	19,616	19,971	20,291	19,690	76,677	58,396	73,128
76,667	0,235	0,419	0,526	0,210	0,283	77,190	19,124	24,885	-14,222	19,034	19,621	19,972	20,294	19,690	76,605	58,392	73,067
76,834	0,234	0,434	0,527	0,207	0,287	77,348	19,025	27,287	-14,522	22,372	19,617	19,964	20,288	19,687	76,601	58,379	73,014
77,000	0,229	0,444	0,526	0,206	0,287	77,430	19,179	23,028	-15,362	22,525	19,622	19,971	20,294	19,692	76,599	58,372	72,960
77,167	0,234	0,461	0,526	0,202	0,286	77,566	18,956	19,882	-14,729	19,135	19,629	19,979	20,291	19,702	76,659	58,368	72,921
77,333	0,224	0,483	0,526	0,203	0,290	77,736	18,971	22,776	-13,580	12,351	19,619	19,966	20,292	19,688	76,648	58,362	72,897

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
71,500	54,929	0,366	0,360	8686,104	8815,610	229,342	4,573	511,138	8,395	11,737	4,423	2017-09-15 09:31
71,667	54,949	0,366	0,360	8626,031	8785,404	276,570	4,667	511,138	8,497	11,567	4,391	2017-09-15 09:31
71,833	54,961	0,366	0,360	8587,496	8729,622	227,643	5,001	511,138	8,442	11,533	4,384	2017-09-15 09:31
72,000	54,976	0,367	0,360	8549,289	8686,960	211,907	4,987	511,138	8,412	11,657	4,408	2017-09-15 09:32
72,167	54,985	0,366	0,360	8486,158	8702,956	233,938	5,008	511,138	8,354	11,729	4,421	2017-09-15 09:32
72,333	54,991	0,366	0,360	8442,166	8623,798	228,504	5,163	511,138	8,370	11,542	4,386	2017-09-15 09:32
72,500	54,995	0,366	0,360	8396,026	8566,192	226,315	5,060	511,138	8,337	11,827	4,440	2017-09-15 09:32
72,667	55,001	0,366	0,360	8365,523	8534,611	240,856	4,620	511,138	8,410	11,643	4,405	2017-09-15 09:32
72,833	55,008	0,367	0,360	8325,755	8500,951	266,893	4,066	511,138	8,500	11,629	4,402	2017-09-15 09:32
73,000	55,020	0,367	0,360	8277,860	8406,554	229,088	3,658	511,137	8,366	11,559	4,389	2017-09-15 09:33
73,167	55,039	0,366	0,360	8232,714	8388,471	185,327	3,840	511,138	8,420	11,590	4,395	2017-09-15 09:33
73,333	55,054	0,366	0,360	8188,128	8333,606	194,229	4,101	511,138	8,378	11,587	4,394	2017-09-15 09:33
73,500	55,070	0,367	0,360	8146,386	8303,166	209,197	4,051	511,137	8,312	11,734	4,422	2017-09-15 09:33
73,667	55,083	0,367	0,360	8091,286	8226,941	248,319	3,613	511,137	8,252	11,869	4,448	2017-09-15 09:33
73,833	55,097	0,366	0,360	8038,453	8151,616	286,740	3,380	511,138	8,377	11,828	4,440	2017-09-15 09:33
74,000	55,106	0,366	0,360	7990,980	8078,001	262,213	3,294	511,231	8,387	11,593	4,396	2017-09-15 09:34
74,167	55,113	0,366	0,359	7936,373	8037,269	202,720	3,417	511,138	8,338	11,513	4,380	2017-09-15 09:34
74,333	55,119	0,366	0,359	7878,214	8002,550	200,160	3,753	511,138	8,340	11,719	4,420	2017-09-15 09:34
74,500	55,122	0,366	0,359	7830,794	7999,250	176,860	4,041	511,137	8,155	11,632	4,403	2017-09-15 09:34
74,667	55,126	0,366	0,359	7800,738	7950,689	156,941	4,411	511,138	8,183	11,607	4,398	2017-09-15 09:34
74,834	55,133	0,366	0,359	7753,495	7884,780	202,755	4,811	511,138	8,249	11,417	4,362	2017-09-15 09:34
75,000	55,146	0,367	0,359	7707,300	7853,267	226,155	4,699	511,138	8,333	11,529	4,383	2017-09-15 09:35
75,167	55,151	0,366	0,359	7669,734	7794,777	216,924	4,371	511,138	8,316	11,588	4,395	2017-09-15 09:35
75,334	55,158	0,367	0,360	7632,771	7745,425	198,280	4,267	511,138	8,295	11,382	4,355	2017-09-15 09:35
75,500	55,162	0,366	0,359	7587,199	7733,834	139,982	4,319	511,138	8,151	11,609	4,399	2017-09-15 09:35
75,667	55,162	0,366	0,359	7540,377	7709,131	158,626	4,750	511,138	8,360	11,666	4,410	2017-09-15 09:35
75,834	55,166	0,366	0,359	7514,396	7679,976	182,791	5,247	511,138	8,288	11,642	4,405	2017-09-15 09:35
76,000	55,166	0,366	0,359	7473,102	7717,292	176,617	5,552	511,138	8,366	11,552	4,388	2017-09-15 09:36
76,167	55,165	0,366	0,359	7436,540	7642,334	206,886	5,498	511,137	8,635	11,499	4,378	2017-09-15 09:36
76,334	55,169	0,366	0,359	7412,343	7664,727	231,815	5,393	511,138	8,241	11,640	4,405	2017-09-15 09:36
76,500	55,168	0,366	0,359	7389,905	7668,000	218,032	5,328	511,137	8,228	11,458	4,370	2017-09-15 09:36
76,667	55,172	0,366	0,359	7359,888	7635,785	223,445	5,475	511,138	8,399	11,323	4,344	2017-09-15 09:36
76,834	55,165	0,366	0,359	7339,692	7643,621	218,216	5,839	511,231	8,274	11,499	4,378	2017-09-15 09:36
77,000	55,150	0,367	0,359	7329,444	7647,955	190,827	6,092	511,138	8,236	11,484	4,375	2017-09-15 09:37
77,167	55,134	0,366	0,359	7311,522	7668,656	220,166	6,525	511,137	8,098	11,446	4,368	2017-09-15 09:37
77,333	55,117	0,366	0,359	7309,464	7651,683	158,765	7,063	511,138	8,131	11,614	4,400	2017-09-15 09:37

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
77,500	0,218	0,510	0,508	0,210	0,290	77,874	19,007	31,175	-11,194	22,341	19,625	19,972	20,304	19,696	76,715	58,352	72,863
77,667	0,215	0,525	0,484	0,208	0,289	78,001	19,060	30,474	-13,829	33,230	19,627	19,991	20,292	19,692	76,927	58,344	72,839
77,833	0,214	0,520	0,967	0,211	0,289	78,105	19,107	22,272	-15,511	23,154	19,631	19,988	20,303	19,703	77,023	58,338	72,827
78,000	0,212	0,512	0,966	0,207	0,281	78,329	19,105	18,630	-20,106	21,048	19,626	19,995	20,299	19,700	77,125	58,326	72,835
78,167	0,214	0,505	0,964	0,204	0,286	78,488	19,054	21,877	-13,321	10,910	19,639	19,991	20,309	19,700	77,295	58,310	72,856
78,333	0,220	0,502	0,963	0,214	0,284	78,683	19,126	26,776	-13,705	28,262	19,608	19,975	20,294	19,699	77,322	58,290	72,923
78,500	0,213	0,505	0,963	0,209	0,289	78,836	19,179	22,187	-14,790	11,070	19,637	19,987	20,307	19,707	77,433	58,275	72,994
78,667	0,217	0,504	0,958	0,217	0,290	79,069	19,170	242,115	-21,850	54,185	19,639	19,988	20,307	19,700	77,520	58,268	73,068
78,833	0,211	0,515	0,964	0,211	0,290	79,229	19,068	22,666	-10,315	14,465	19,646	20,004	20,311	19,712	77,666	58,266	73,149
79,000	0,210	0,521	0,963	0,209	0,291	79,446	19,000	26,424	-15,018	22,261	19,635	19,987	20,286	19,695	77,779	58,271	73,217
79,167	0,214	0,508	0,967	0,209	0,286	79,643	19,055	26,742	-12,191	19,766	19,620	19,988	20,308	19,702	77,895	58,275	73,291
79,333	0,216	0,506	0,966	0,208	0,287	79,725	19,037	26,758	-14,623	25,065	19,632	19,986	20,304	19,704	77,914	58,279	73,376
79,500	0,212	0,523	0,965	0,208	0,289	79,936	19,073	19,689	-15,014	20,019	19,615	19,983	20,308	19,703	78,154	58,283	73,472
79,667	0,210	0,538	0,965	0,204	0,291	80,080	19,126	19,307	-15,940	20,979	19,620	19,976	20,298	19,699	78,243	58,287	73,560
79,833	0,210	0,539	0,966	0,210	0,289	80,207	19,139	19,366	-14,546	8,811	19,637	19,976	20,315	19,698	78,324	58,289	73,641
80,000	0,209	0,549	0,528	0,212	0,292	80,351	19,118	26,997	-12,821	18,779	19,633	19,983	20,315	19,700	78,533	58,291	73,714
80,167	0,208	0,569	0,483	0,206	0,293	80,364	19,075	24,219	-13,829	22,679	19,622	19,996	20,308	19,702	78,680	58,290	73,804
80,333	0,204	0,591	0,525	0,217	0,291	80,537	19,097	17,691	-14,003	24,749	19,626	19,993	20,303	19,708	78,951	58,287	73,907
80,500	0,204	0,593	0,525	0,211	0,290	80,674	19,149	22,165	-15,179	23,618	19,616	19,988	20,299	19,706	79,077	58,285	74,002
80,667	0,206	0,589	0,525	0,211	0,286	80,731	19,153	26,867	-12,839	16,245	19,645	20,007	20,315	19,716	79,301	58,282	74,112
80,833	0,206	0,589	0,525	0,208	0,290	80,791	19,077	24,292	-14,589	20,785	19,629	19,980	20,312	19,700	79,459	58,285	74,226
81,000	0,207	0,584	0,524	0,209	0,292	80,954	18,989	25,877	-15,498	18,107	19,642	19,996	20,316	19,711	79,621	58,286	74,374
81,167	0,206	0,589	0,525	0,207	0,287	80,995	19,055	25,473	-15,083	24,619	19,638	19,993	20,312	19,707	79,818	58,294	74,534
81,334	0,210	0,592	0,536	0,215	0,288	81,141	19,090	19,851	-16,884	22,707	19,641	19,992	20,308	19,706	79,963	58,303	74,694
81,500	0,209	0,598	0,524	0,214	0,288	81,180	19,051	20,599	-13,389	11,714	19,643	19,999	20,313	19,708	80,017	58,314	74,853
81,667	0,209	0,590	0,524	0,205	0,287	81,180	19,093	24,463	-13,913	25,508	19,650	19,992	20,300	19,708	80,194	58,329	74,989
81,834	0,208	0,589	0,524	0,208	0,286	81,197	19,151	21,374	-16,220	22,416	19,641	20,015	20,318	19,719	80,371	58,342	75,116
82,000	0,208	0,587	0,524	0,211	0,293	81,184	19,168	16,917	-17,120	17,878	19,643	19,992	20,323	19,712	80,426	58,353	75,237
82,167	0,210	0,587	0,524	0,216	0,285	81,176	19,149	15,895	-17,123	17,328	19,647	20,001	20,317	19,710	80,591	58,360	75,352
82,334	0,210	0,584	0,523	0,213	0,286	81,189	19,135	15,633	-16,710	17,581	19,643	19,996	20,312	19,714	80,680	58,365	75,495
82,500	0,211	0,579	0,523	0,214	0,282	81,147	19,134	19,190	-13,782	14,364	19,640	19,991	20,317	19,712	80,862	58,368	75,622
82,667	0,208	0,579	0,523	0,217	0,290	81,146	19,168	23,011	-13,649	17,293	19,638	19,996	20,320	19,714	80,893	58,376	75,707
82,834	0,210	0,584	0,523	0,216	0,292	81,091	19,157	25,051	-14,309	20,917	19,656	19,990	20,327	19,711	80,929	58,395	75,806
83,000	0,206	0,573	0,523	0,211	0,292	80,912	19,152	22,539	-14,880	21,777	19,655	20,005	20,316	19,715	81,035	58,418	75,914
83,167	0,208	0,578	0,523	0,207	0,286	80,687	19,185	17,969	-16,143	19,229	19,642	20,013	20,333	19,720	81,120	58,438	76,012
83,334	0,208	0,581	0,523	0,204	0,289	80,442	19,093	14,342	-17,086	17,827	19,665	20,019	20,324	19,724	81,227	58,462	76,087

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
77,500	55,101	0,366	0,359	7300,211	7700,541	117,381	7,758	507,720	8,400	11,605	4,398	2017-09-15 09:37
77,667	55,090	0,366	0,359	7310,062	7792,851	102,670	8,132	503,266	8,328	11,559	4,389	2017-09-15 09:37
77,833	55,079	0,366	0,359	7305,099	7829,524	94,522	7,990	593,903	8,456	11,578	4,393	2017-09-15 09:37
78,000	55,072	0,366	0,359	7297,622	7878,180	84,116	7,809	593,623	8,285	11,260	4,332	2017-09-15 09:38
78,167	55,066	0,366	0,359	7317,743	7961,115	94,880	7,617	593,183	8,165	11,434	4,365	2017-09-15 09:38
78,333	55,059	0,366	0,359	7349,612	7984,196	133,669	7,545	593,126	8,556	11,354	4,350	2017-09-15 09:38
78,500	55,056	0,366	0,359	7380,202	8035,563	89,039	7,621	593,126	8,343	11,548	4,387	2017-09-15 09:38
78,667	55,052	0,366	0,359	7406,685	8073,323	113,149	7,604	592,155	8,685	11,608	4,398	2017-09-15 09:38
78,833	55,042	0,366	0,359	7441,110	8121,135	79,808	7,867	593,234	8,438	11,595	4,396	2017-09-15 09:38
79,000	55,019	0,366	0,359	7478,319	8174,621	69,096	8,014	593,048	8,356	11,648	4,406	2017-09-15 09:39
79,167	54,987	0,366	0,358	7517,642	8225,193	96,238	7,700	593,747	8,351	11,444	4,367	2017-09-15 09:39
79,333	54,953	0,366	0,359	7577,724	8229,200	110,407	7,654	593,643	8,314	11,466	4,372	2017-09-15 09:39
79,500	54,927	0,366	0,359	7630,430	8330,517	83,175	8,063	593,455	8,309	11,570	4,391	2017-09-15 09:39
79,667	54,904	0,366	0,359	7669,866	8362,544	68,478	8,445	593,455	8,165	11,645	4,406	2017-09-15 09:39
79,833	54,886	0,365	0,359	7709,083	8381,808	69,311	8,479	593,643	8,409	11,543	4,386	2017-09-15 09:39
80,000	54,873	0,366	0,358	7735,875	8473,426	62,401	8,720	511,471	8,488	11,678	4,412	2017-09-15 09:40
80,167	54,858	0,366	0,359	7792,114	8547,743	58,002	9,229	503,123	8,220	11,702	4,416	2017-09-15 09:40
80,333	54,849	0,366	0,358	7830,783	8656,333	35,988	9,770	510,857	8,691	11,626	4,402	2017-09-15 09:40
80,500	54,839	0,366	0,358	7871,390	8709,251	34,737	9,826	510,857	8,456	11,591	4,395	2017-09-15 09:40
80,667	54,830	0,366	0,359	7930,599	8805,844	43,941	9,718	510,856	8,442	11,432	4,365	2017-09-15 09:40
80,833	54,815	0,366	0,359	7984,239	8877,831	42,892	9,729	510,856	8,315	11,581	4,393	2017-09-15 09:40
81,000	54,795	0,366	0,358	8041,633	8933,841	53,173	9,601	510,763	8,367	11,688	4,414	2017-09-15 09:41
81,167	54,769	0,366	0,359	8125,449	9017,652	47,415	9,716	510,856	8,280	11,492	4,376	2017-09-15 09:41
81,334	54,743	0,366	0,359	8202,850	9079,531	68,078	9,801	513,085	8,586	11,525	4,383	2017-09-15 09:41
81,500	54,719	0,366	0,359	8279,546	9103,062	67,230	9,950	510,713	8,572	11,520	4,382	2017-09-15 09:41
81,667	54,698	0,366	0,359	8340,847	9154,739	66,323	9,740	510,762	8,206	11,490	4,376	2017-09-15 09:41
81,834	54,682	0,366	0,358	8392,356	9229,446	60,726	9,736	510,762	8,306	11,444	4,367	2017-09-15 09:41
82,000	54,679	0,366	0,358	8445,788	9245,936	57,773	9,665	510,763	8,435	11,736	4,423	2017-09-15 09:42
82,167	54,682	0,366	0,358	8492,543	9319,105	67,616	9,686	510,762	8,660	11,390	4,357	2017-09-15 09:42
82,334	54,691	0,366	0,359	8550,573	9352,681	71,191	9,610	510,622	8,507	11,454	4,369	2017-09-15 09:42
82,500	54,691	0,367	0,359	8611,260	9441,718	73,953	9,465	510,622	8,551	11,291	4,338	2017-09-15 09:42
82,667	54,688	0,366	0,358	8635,910	9432,931	59,263	9,484	510,622	8,698	11,586	4,394	2017-09-15 09:42
82,834	54,679	0,366	0,359	8687,353	9450,185	72,873	9,588	510,623	8,646	11,679	4,412	2017-09-15 09:42
83,000	54,663	0,366	0,359	8737,643	9482,772	47,947	9,319	510,623	8,448	11,678	4,412	2017-09-15 09:43
83,167	54,647	0,366	0,359	8783,356	9508,364	55,261	9,444	510,622	8,266	11,437	4,366	2017-09-15 09:43
83,334	54,625	0,366	0,359	8828,383	9543,877	56,369	9,520	510,623	8,178	11,548	4,387	2017-09-15 09:43

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
83,500	0,210	0,576	0,523	0,208	0,292	80,191	19,099	16,642	-16,181	13,343	19,657	19,994	20,322	19,720	81,166	58,471	76,156
83,667	0,213	0,567	0,523	0,209	0,292	79,952	19,097	21,996	-12,673	13,310	19,651	19,991	20,320	19,711	81,307	58,481	76,218
83,834	0,216	0,547	0,523	0,207	0,288	79,782	19,105	22,526	-14,922	25,100	19,664	20,009	20,321	19,718	81,165	58,486	76,289
84,000	0,220	0,517	0,523	0,206	0,288	79,541	19,126	17,275	-13,404	11,539	19,659	20,020	20,332	19,720	81,112	58,491	76,346
84,167	0,229	0,487	0,523	0,206	0,291	79,423	19,141	23,611	-15,980	22,430	19,663	20,021	20,337	19,730	81,086	58,490	76,389
84,333	0,233	0,449	0,523	0,207	0,289	79,208	19,134	15,006	-15,215	17,606	19,663	20,015	20,324	19,726	81,082	58,485	76,433
84,500	0,237	0,417	0,523	0,209	0,295	78,997	19,105	16,288	-15,480	16,053	19,659	20,015	20,336	19,726	81,068	58,487	76,437
84,667	0,235	0,406	0,523	0,206	0,294	78,782	19,144	18,208	-14,245	11,636	19,663	20,005	20,337	19,720	80,931	58,495	76,433
84,833	0,232	0,403	0,524	0,204	0,285	78,660	19,074	15,525	-14,357	16,223	19,647	20,004	20,321	19,718	80,810	58,506	76,415
85,000	0,237	0,411	0,523	0,205	0,289	78,508	19,078	15,732	-15,720	18,353	19,654	19,998	20,328	19,720	80,561	58,506	76,387
85,167	0,237	0,418	0,523	0,206	0,286	78,311	19,003	17,783	-13,766	9,648	19,645	19,996	20,336	19,720	80,707	58,522	76,361
85,333	0,238	0,413	0,523	0,207	0,291	78,185	19,069	21,154	-14,686	23,336	19,651	19,999	20,339	19,722	80,510	58,528	76,315
85,500	0,233	0,405	0,523	0,209	0,285	78,048	19,003	13,835	-15,895	18,795	19,646	20,004	20,337	19,716	80,336	58,534	76,253
85,667	0,226	0,414	0,523	0,207	0,290	77,977	18,978	16,462	-15,016	17,655	19,650	20,009	20,332	19,720	80,256	58,533	76,187
85,833	0,219	0,413	0,523	0,206	0,291	77,867	19,062	17,271	-15,251	15,664	19,653	19,996	20,328	19,722	80,192	58,518	76,121
86,000	0,223	0,414	0,523	0,206	0,292	77,724	19,080	17,153	-15,445	13,598	19,669	20,019	20,335	19,731	80,030	58,510	76,048
86,167	0,229	0,416	0,523	0,204	0,294	77,574	19,100	17,500	-14,591	11,926	19,659	20,003	20,326	19,723	79,982	58,491	75,963
86,333	0,229	0,425	0,523	0,207	0,293	77,462	19,074	17,498	-14,719	16,387	19,662	20,000	20,347	19,730	79,762	58,483	75,886
86,500	0,226	0,425	0,523	0,208	0,287	77,333	19,032	17,768	-15,274	23,549	19,650	20,015	20,324	19,722	79,729	58,466	75,794
86,667	0,230	0,411	0,523	0,207	0,289	77,273	19,056	19,760	-15,211	12,823	19,662	20,009	20,329	19,726	79,599	58,466	75,714
86,833	0,227	0,392	0,523	0,205	0,284	77,164	19,012	17,196	-14,547	19,740	19,652	20,006	20,339	19,724	79,490	58,461	75,625
87,000	0,228	0,391	0,523	0,204	0,294	77,024	18,981	15,618	-15,057	17,174	19,655	20,024	20,335	19,724	79,306	58,463	75,545
87,167	0,230	0,385	0,523	0,202	0,286	76,894	19,018	16,442	-15,907	15,096	19,661	20,003	20,350	19,727	79,352	58,469	75,472
87,333	0,231	0,377	0,523	0,203	0,292	76,850	19,088	16,171	-14,578	11,807	19,662	20,024	20,345	19,732	79,074	58,475	75,386
87,500	0,227	0,364	0,523	0,204	0,294	76,699	19,096	15,501	-15,072	22,223	19,676	20,010	20,343	19,727	78,972	58,474	75,294
87,667	0,235	0,359	0,523	0,200	0,294	76,589	18,986	16,584	-15,440	13,234	19,659	20,013	20,344	19,727	78,796	58,470	75,202
87,833	0,235	0,369	0,523	0,201	0,289	76,478	19,062	16,315	-13,966	14,618	19,659	20,025	20,343	19,732	78,781	58,457	75,113
88,000	0,235	0,377	0,523	0,204	0,291	76,323	19,061	18,096	-13,979	21,593	19,666	20,012	20,343	19,724	78,617	58,443	75,012
88,167	0,229	0,372	0,523	0,202	0,287	76,242	19,016	16,208	-14,129	22,439	19,653	20,012	20,346	19,726	78,404	58,423	74,904
88,334	0,234	0,367	0,523	0,204	0,294	76,181	19,093	14,705	-14,633	23,677	19,659	20,017	20,343	19,727	78,296	58,411	74,801
88,500	0,235	0,367	0,523	0,204	0,285	76,105	19,114	14,770	-15,407	17,744	19,675	20,004	20,353	19,728	78,122	58,407	74,703
88,667	0,232	0,375	0,523	0,198	0,293	76,020	19,098	18,049	-15,600	18,224	19,677	20,020	20,362	19,734	78,095	58,399	74,605
88,834	0,231	0,385	0,523	0,203	0,292	75,927	19,077	12,010	-15,537	26,203	19,671	20,016	20,356	19,734	77,952	58,409	74,507
89,000	0,226	0,404	0,523	0,204	0,295	75,849	19,081	14,359	-15,200	17,164	19,674	20,027	20,345	19,735	77,879	58,397	74,405
89,167	0,230	0,423	0,523	0,203	0,296	75,780	19,124	16,947	-16,379	14,029	19,666	20,014	20,348	19,732	77,709	58,403	74,314
89,334	0,227	0,416	0,523	0,203	0,293	75,782	19,124	13,976	-15,550	18,444	19,682	20,029	20,357	19,740	77,752	58,393	74,218

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
83,500	54,604	0,366	0,360	8883,509	9511,819	71,156	9,406	510,623	8,303	11,678	4,412	2017-09-15 09:43
83,667	54,589	0,366	0,359	8897,374	9574,190	86,308	9,183	510,623	8,370	11,676	4,411	2017-09-15 09:43
83,834	54,589	0,366	0,359	8943,263	9509,784	109,417	8,678	510,623	8,293	11,531	4,384	2017-09-15 09:43
84,000	54,604	0,366	0,360	8962,131	9490,181	133,280	7,936	510,623	8,229	11,517	4,381	2017-09-15 09:44
84,167	54,617	0,367	0,359	8965,852	9484,093	191,744	7,170	510,622	8,243	11,624	4,402	2017-09-15 09:44
84,333	54,633	0,367	0,359	8977,669	9485,318	211,049	6,228	510,622	8,262	11,562	4,390	2017-09-15 09:44
84,500	54,645	0,366	0,359	8956,980	9461,999	239,379	5,413	510,623	8,375	11,789	4,433	2017-09-15 09:44
84,667	54,647	0,366	0,359	8958,801	9392,782	224,884	5,160	510,622	8,231	11,773	4,430	2017-09-15 09:44
84,833	54,647	0,366	0,358	8945,942	9347,349	207,859	5,066	510,763	8,151	11,401	4,359	2017-09-15 09:44
85,000	54,637	0,366	0,359	8961,103	9236,204	238,730	5,275	510,622	8,211	11,550	4,387	2017-09-15 09:45
85,167	54,628	0,367	0,359	8951,943	9309,972	238,535	5,456	510,623	8,258	11,448	4,368	2017-09-15 09:45
85,333	54,612	0,366	0,359	8933,394	9221,718	247,972	5,325	510,622	8,293	11,647	4,406	2017-09-15 09:45
85,500	54,607	0,367	0,359	8914,022	9151,225	214,638	5,131	510,623	8,340	11,413	4,361	2017-09-15 09:45
85,667	54,612	0,366	0,359	8878,929	9103,608	168,903	5,350	510,623	8,268	11,598	4,397	2017-09-15 09:45
85,833	54,635	0,366	0,358	8825,959	9080,518	126,907	5,327	510,622	8,257	11,649	4,406	2017-09-15 09:45
86,000	54,673	0,366	0,358	8780,526	9007,448	149,214	5,355	510,622	8,248	11,678	4,412	2017-09-15 09:46
86,167	54,700	0,366	0,359	8746,724	9013,794	187,151	5,403	510,623	8,167	11,740	4,423	2017-09-15 09:46
86,333	54,731	0,366	0,359	8712,279	8924,162	188,204	5,620	510,623	8,261	11,724	4,420	2017-09-15 09:46
86,500	54,751	0,366	0,359	8669,750	8919,495	172,850	5,614	510,622	8,301	11,461	4,371	2017-09-15 09:46
86,667	54,765	0,366	0,359	8631,306	8865,059	197,839	5,263	510,623	8,274	11,545	4,387	2017-09-15 09:46
86,833	54,771	0,366	0,359	8582,030	8808,925	173,524	4,802	510,622	8,209	11,375	4,354	2017-09-15 09:46
87,000	54,774	0,366	0,359	8545,726	8737,268	180,498	4,769	510,623	8,158	11,761	4,427	2017-09-15 09:47
87,167	54,775	0,366	0,359	8523,468	8761,029	193,676	4,615	510,622	8,064	11,431	4,365	2017-09-15 09:47
87,333	54,771	0,366	0,359	8472,223	8625,986	202,470	4,435	510,623	8,112	11,690	4,414	2017-09-15 09:47
87,500	54,777	0,366	0,359	8436,666	8586,422	174,143	4,108	510,623	8,161	11,774	4,430	2017-09-15 09:47
87,667	54,791	0,366	0,359	8406,888	8522,558	224,856	3,973	510,622	8,009	11,763	4,428	2017-09-15 09:47
87,833	54,813	0,366	0,359	8354,500	8522,599	229,578	4,230	510,622	8,045	11,563	4,390	2017-09-15 09:47
88,000	54,845	0,366	0,359	8293,584	8446,339	224,265	4,433	510,623	8,163	11,635	4,404	2017-09-15 09:48
88,167	54,872	0,366	0,359	8232,857	8372,625	190,216	4,298	510,623	8,071	11,498	4,378	2017-09-15 09:48
88,334	54,894	0,366	0,359	8185,632	8333,190	219,186	4,182	510,623	8,161	11,747	4,425	2017-09-15 09:48
88,500	54,917	0,366	0,359	8134,753	8262,415	223,709	4,174	510,623	8,145	11,403	4,359	2017-09-15 09:48
88,667	54,933	0,366	0,359	8095,164	8254,505	208,964	4,374	510,623	7,934	11,711	4,418	2017-09-15 09:48
88,834	54,948	0,366	0,359	8047,813	8182,493	199,534	4,629	510,529	8,101	11,680	4,412	2017-09-15 09:48
89,000	54,955	0,366	0,359	7995,441	8156,246	172,562	5,104	510,623	8,156	11,797	4,434	2017-09-15 09:49
89,167	54,963	0,365	0,358	7949,486	8075,345	196,397	5,570	510,623	8,117	11,836	4,441	2017-09-15 09:49
89,334	54,963	0,366	0,359	7920,398	8114,331	174,004	5,407	510,623	8,127	11,700	4,416	2017-09-15 09:49

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
89,500	0,234	0,411	0,523	0,203	0,289	75,806	19,100	16,377	-15,006	11,118	19,674	20,025	20,352	19,738	77,577	58,393	74,115
89,667	0,236	0,405	0,523	0,201	0,294	75,902	19,126	17,608	-15,448	18,202	19,682	20,021	20,352	19,736	77,590	58,401	74,029
89,834	0,235	0,410	0,523	0,201	0,290	76,020	19,115	19,430	-14,227	17,775	19,671	20,021	20,356	19,734	77,466	58,395	73,945
90,000	0,228	0,434	0,523	0,204	0,294	76,049	19,132	20,655	-12,059	19,555	19,670	20,033	20,354	19,736	77,484	58,388	73,867
90,167	0,219	0,453	0,523	0,194	0,295	76,070	19,235	20,600	-16,099	20,625	19,696	20,041	20,372	19,748	77,425	58,383	73,780
90,334	0,218	0,453	0,523	0,201	0,296	76,069	19,167	18,418	-14,909	16,606	19,687	20,026	20,359	19,744	77,309	58,376	73,710
90,500	0,219	0,451	0,523	0,206	0,286	76,154	19,103	21,013	-13,836	20,458	19,698	20,036	20,377	19,752	77,345	58,377	73,640
90,667	0,217	0,445	0,523	0,196	0,290	76,149	19,092	22,415	-15,215	19,421	19,690	20,020	20,353	19,740	77,307	58,373	73,582
90,834	0,220	0,442	0,523	0,201	0,288	76,199	18,992	22,807	-15,661	25,101	19,689	20,037	20,360	19,750	77,272	58,371	73,536
91,000	0,225	0,439	0,523	0,210	0,290	76,214	19,034	18,815	-15,155	17,311	19,675	20,035	20,359	19,742	77,263	58,358	73,491
91,167	0,223	0,427	0,523	0,200	0,295	76,154	19,086	21,318	-12,803	14,706	19,669	20,048	20,359	19,744	77,186	58,367	73,449
91,333	0,220	0,423	0,523	0,203	0,287	76,209	19,120	25,586	-15,827	22,909	19,677	20,028	20,361	19,746	77,175	58,377	73,415
91,500	0,219	0,443	0,524	0,200	0,286	76,236	19,130	16,022	-16,632	18,082	19,682	20,036	20,351	19,744	77,189	58,383	73,379
91,667	0,214	0,464	0,524	0,201	0,290	76,329	19,158	16,296	-16,050	15,749	19,670	20,032	20,362	19,744	77,157	58,388	73,353
91,833	0,214	0,480	0,524	0,196	0,294	76,332	19,172	20,977	-13,042	11,962	19,686	20,033	20,356	19,746	77,220	58,385	73,320
92,000	0,211	0,489	0,701	0,196	0,285	76,366	19,188	24,401	-13,897	-11,902	19,686	20,022	20,360	19,746	77,259	58,385	73,297
92,167	0,210	0,499	0,714	0,204	0,289	76,399	19,204	27,718	-13,584	20,669	19,687	20,048	20,364	19,746	77,306	58,387	73,280
92,333	0,208	0,508	0,712	0,201	0,293	76,492	19,189	28,281	-13,705	20,441	19,683	20,046	20,352	19,747	77,323	58,373	73,275
92,500	0,213	0,501	0,713	0,195	0,285	76,481	19,219	25,339	-15,260	24,829	19,686	20,032	20,368	19,747	77,422	58,371	73,271
92,667	0,215	0,495	0,714	0,203	0,289	76,485	19,269	17,278	-16,244	20,686	19,677	20,041	20,364	19,744	77,403	58,371	73,289
92,833	0,219	0,491	0,715	0,201	0,287	76,548	19,227	19,662	-15,752	16,436	19,685	20,040	20,369	19,747	77,539	58,369	73,303
93,000	0,218	0,468	0,715	0,205	0,292	76,575	19,201	21,484	-13,194	18,226	19,691	20,041	20,366	19,746	77,485	58,371	73,332
93,167	0,227	0,466	0,716	0,206	0,289	76,644	19,213	20,383	-13,480	19,545	19,678	20,041	20,372	19,750	77,530	58,384	73,361
93,333	0,224	0,478	0,715	0,203	0,295	76,671	19,221	18,058	-15,725	24,973	19,694	20,035	20,364	19,747	77,543	58,389	73,394
93,500	0,219	0,493	0,716	0,201	0,297	76,690	19,204	17,412	-15,487	18,868	19,690	20,040	20,374	19,750	77,543	58,392	73,422
93,667	0,215	0,500	0,715	0,202	0,292	76,716	19,129	19,966	-14,044	16,460	19,702	20,036	20,378	19,754	77,581	58,401	73,448
93,833	0,211	0,513	0,717	0,194	0,294	76,751	19,059	22,329	-16,731	19,341	19,698	20,039	20,380	19,758	77,632	58,404	73,460
94,000	0,210	0,515	0,523	0,198	0,291	76,774	19,099	17,800	-15,766	19,973	19,703	20,049	20,359	19,754	77,736	58,407	73,480
94,167	0,211	0,515	0,523	0,202	0,293	76,900	19,162	15,388	-15,819	17,145	19,698	20,068	20,389	19,763	77,751	58,405	73,499
94,389	0,213	0,520	0,523	0,197	0,292	76,969	19,138	18,268	-14,845	15,564	19,694	20,048	20,377	19,756	77,897	58,399	73,521
94,500	0,214	0,526	0,523	0,201	0,293	76,986	19,109	21,896	-13,730	18,948	19,686	20,049	20,385	19,762	77,942	58,396	73,538
94,667	0,210	0,533	0,522	0,204	0,294	77,008	19,120	22,837	-11,704	15,224	19,690	20,039	20,366	19,748	77,977	58,389	73,580
94,834	0,208	0,538	0,523	0,199	0,289	77,056	19,120	27,697	-14,028	20,737	19,690	20,049	20,378	19,751	78,046	58,393	73,623
95,000	0,207	0,537	0,522	0,207	0,289	77,197	19,115	27,055	-11,985	19,964	19,690	20,043	20,373	19,751	78,061	58,392	73,672
95,167	0,207	0,537	0,522	0,204	0,287	77,325	19,152	24,400	-16,050	22,502	19,694	20,040	20,376	19,754	78,137	58,397	73,723
95,334	0,213	0,531	0,522	0,195	0,288	77,359	19,176	19,925	-16,071	17,917	19,683	20,058	20,388	19,758	78,259	58,396	73,776

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
89,500	54,976	0,367	0,359	7875,325	8048,848	218,400	5,270	510,623	8,114	11,573	4,392	2017-09-15 09:49
89,667	54,991	0,367	0,359	7838,513	8054,623	233,295	5,130	510,623	8,039	11,770	4,429	2017-09-15 09:49
89,834	55,012	0,366	0,359	7798,430	7991,057	224,071	5,260	510,529	8,038	11,611	4,399	2017-09-15 09:49
90,000	55,039	0,366	0,359	7745,455	7993,174	181,978	5,846	510,529	8,169	11,745	4,424	2017-09-15 09:50
90,167	55,062	0,366	0,359	7710,666	7983,456	123,572	6,329	510,529	7,780	11,809	4,436	2017-09-15 09:50
90,334	55,079	0,366	0,359	7664,261	7938,137	119,879	6,329	510,529	8,025	11,822	4,439	2017-09-15 09:50
90,500	55,095	0,366	0,359	7626,740	7948,307	128,617	6,265	510,529	8,254	11,434	4,365	2017-09-15 09:50
90,667	55,109	0,366	0,359	7592,510	7925,356	115,021	6,118	510,534	7,855	11,617	4,400	2017-09-15 09:50
90,834	55,115	0,366	0,358	7562,834	7917,119	129,916	6,055	510,623	8,046	11,503	4,378	2017-09-15 09:50
91,000	55,121	0,366	0,359	7556,339	7916,404	161,795	5,971	510,623	8,398	11,600	4,397	2017-09-15 09:51
91,167	55,130	0,366	0,359	7535,790	7878,643	150,197	5,682	510,623	8,003	11,783	4,432	2017-09-15 09:51
91,333	55,131	0,367	0,359	7519,441	7887,615	135,187	5,586	510,529	8,129	11,474	4,373	2017-09-15 09:51
91,500	55,122	0,366	0,359	7508,884	7874,292	126,782	6,079	510,675	8,000	11,428	4,364	2017-09-15 09:51
91,667	55,119	0,366	0,359	7503,379	7865,638	97,653	6,607	510,763	8,051	11,588	4,395	2017-09-15 09:51
91,833	55,122	0,366	0,359	7483,841	7896,257	97,858	7,002	510,762	7,841	11,749	4,425	2017-09-15 09:51
92,000	55,131	0,366	0,359	7471,073	7906,555	76,663	7,220	543,872	7,823	11,416	4,362	2017-09-15 09:52
92,167	55,141	0,366	0,359	7452,630	7919,113	70,806	7,465	546,433	8,168	11,562	4,390	2017-09-15 09:52
92,333	55,146	0,366	0,358	7443,695	7932,932	58,092	7,696	545,966	8,021	11,719	4,419	2017-09-15 09:52
92,500	55,153	0,366	0,359	7445,067	7973,187	87,132	7,516	546,152	7,808	11,402	4,359	2017-09-15 09:52
92,667	55,162	0,366	0,359	7451,780	7976,817	100,415	7,367	546,433	8,110	11,568	4,391	2017-09-15 09:52
92,833	55,162	0,366	0,358	7449,264	8025,650	124,983	7,283	546,528	8,041	11,470	4,372	2017-09-15 09:52
93,000	55,155	0,366	0,359	7471,592	8006,504	120,056	6,703	546,621	8,190	11,684	4,413	2017-09-15 09:53
93,167	55,143	0,366	0,359	7494,832	8016,250	175,623	6,660	546,761	8,222	11,573	4,392	2017-09-15 09:53
93,333	55,122	0,366	0,359	7511,027	8025,580	159,109	6,961	546,621	8,125	11,791	4,433	2017-09-15 09:53
93,500	55,110	0,366	0,358	7523,146	8023,899	124,889	7,313	546,761	8,056	11,883	4,450	2017-09-15 09:53
93,667	55,101	0,366	0,359	7543,462	8037,674	100,793	7,495	546,620	8,080	11,677	4,412	2017-09-15 09:53
93,833	55,091	0,366	0,358	7541,731	8048,558	79,061	7,836	546,854	7,759	11,760	4,427	2017-09-15 09:53
94,000	55,091	0,366	0,358	7550,814	8097,214	71,639	7,867	510,530	7,901	11,658	4,408	2017-09-15 09:54
94,167	55,093	0,366	0,359	7562,597	8100,474	78,352	7,887	510,529	8,064	11,706	4,417	2017-09-15 09:54
94,389	55,089	0,366	0,359	7576,071	8165,806	88,814	7,997	510,529	7,869	11,685	4,413	2017-09-15 09:54
94,500	55,083	0,366	0,358	7579,872	8185,227	94,425	8,161	510,529	8,039	11,730	4,422	2017-09-15 09:54
94,667	55,067	0,366	0,359	7607,807	8205,069	71,028	8,332	510,452	8,150	11,743	4,424	2017-09-15 09:54
94,834	55,044	0,366	0,359	7634,306	8240,633	58,318	8,450	510,529	7,948	11,547	4,387	2017-09-15 09:54
95,000	55,023	0,366	0,358	7661,211	8245,967	51,640	8,427	510,435	8,263	11,562	4,390	2017-09-15 09:55
95,167	54,997	0,366	0,358	7690,919	8270,667	52,526	8,429	510,435	8,142	11,490	4,376	2017-09-15 09:55
95,334	54,977	0,366	0,358	7722,843	8324,716	87,761	8,266	510,435	7,807	11,538	4,385	2017-09-15 09:55

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
95,500	0,207	0,531	0,522	0,203	0,288	77,421	19,166	18,854	-15,322	18,857	19,697	20,055	20,372	19,758	78,311	58,399	73,826
95,667	0,207	0,538	0,522	0,202	0,285	77,394	19,175	19,465	-15,761	18,186	19,706	20,056	20,377	19,755	78,362	58,395	73,875
95,834	0,209	0,541	0,522	0,201	0,291	77,427	19,103	18,906	-16,983	18,588	19,711	20,061	20,386	19,758	78,479	58,392	73,922
96,000	0,212	0,541	0,522	0,197	0,292	77,450	19,090	18,404	-15,090	12,054	19,708	20,055	20,394	19,759	78,517	58,388	73,973
96,167	0,211	0,526	0,522	0,202	0,291	77,387	19,158	16,516	-15,531	16,692	19,707	20,068	20,379	19,771	78,676	58,383	74,022
96,334	0,211	0,543	0,522	0,198	0,287	77,410	19,165	16,861	-15,525	15,482	19,707	20,070	20,381	19,765	78,737	58,376	74,076
96,500	0,208	0,558	0,522	0,204	0,287	77,384	19,158	19,959	-15,640	21,068	19,712	20,055	20,377	19,762	78,780	58,371	74,139
96,667	0,206	0,567	0,522	0,196	0,286	77,420	19,156	20,504	-13,382	11,129	19,690	20,069	20,375	19,759	78,985	58,373	74,204
96,834	0,204	0,571	0,521	0,200	0,292	77,408	19,150	24,637	-16,436	23,121	19,712	20,039	20,385	19,759	78,999	58,373	74,272
97,000	0,205	0,562	0,522	0,202	0,292	77,417	19,188	17,540	-16,612	18,167	19,699	20,070	20,393	19,763	79,134	58,377	74,331
97,167	0,208	0,545	0,522	0,201	0,288	77,461	19,149	15,201	-16,074	12,312	19,712	20,066	20,393	19,767	79,244	58,377	74,409
97,334	0,208	0,538	0,522	0,198	0,285	77,422	19,135	14,906	-16,088	18,698	19,718	20,059	20,381	19,765	79,287	58,373	74,491
97,500	0,209	0,538	0,522	0,199	0,292	77,432	19,143	19,562	-12,599	9,800	19,708	20,072	20,390	19,764	79,227	58,373	74,570
97,667	0,206	0,549	0,522	0,202	0,290	77,446	19,227	29,468	-15,008	24,854	19,718	20,045	20,381	19,760	79,301	58,376	74,636
97,833	0,207	0,554	0,522	0,204	0,283	77,440	19,336	25,416	-15,506	17,005	19,703	20,040	20,389	19,760	79,335	58,379	74,716
98,000	0,208	0,553	0,522	0,201	0,287	77,406	19,361	24,646	-14,224	16,904	19,707	20,053	20,392	19,763	79,355	58,380	74,774
98,167	0,210	0,542	0,522	0,196	0,291	77,405	19,298	27,264	-12,429	19,652	19,708	20,062	20,389	19,764	79,375	58,381	74,811
98,333	0,211	0,529	0,522	0,196	0,283	77,388	19,255	28,406	-14,786	21,335	19,719	20,070	20,389	19,768	79,363	58,384	74,840
98,500	0,214	0,515	0,521	0,199	0,287	77,311	19,217	26,935	-12,365	21,256	19,709	20,088	20,400	19,776	79,421	58,371	74,866
98,667	0,217	0,489	0,521	0,199	0,289	77,269	19,238	25,740	-16,228	23,232	19,719	20,068	20,405	19,776	79,434	58,376	74,898
98,833	0,225	0,462	0,522	0,197	0,292	77,217	19,196	18,480	-16,777	20,632	19,699	20,064	20,403	19,771	79,363	58,376	74,926
99,000	0,222	0,452	0,521	0,203	0,289	77,159	19,280	23,693	-13,224	13,246	19,728	20,060	20,394	19,768	79,364	58,379	74,939
99,167	0,229	0,437	0,521	0,204	0,292	77,120	19,209	24,758	-15,078	25,360	19,707	20,065	20,398	19,771	79,354	58,385	74,957
99,333	0,224	0,432	0,521	0,199	0,287	77,075	19,186	20,217	-15,045	14,561	19,695	20,070	20,385	19,769	79,313	58,383	74,962
99,500	0,228	0,429	0,521	0,203	0,285	76,957	19,224	23,385	-16,738	19,856	19,719	20,063	20,396	19,775	79,229	58,385	74,957
99,667	0,229	0,415	0,521	0,203	0,283	76,846	19,217	17,440	-16,195	15,227	19,703	20,048	20,392	19,771	79,255	58,373	74,950
99,833	0,237	0,414	0,521	0,205	0,284	76,802	19,211	14,353	-17,284	18,057	19,718	20,077	20,401	19,773	79,093	58,369	74,939
100,000	0,230	0,420	0,521	0,192	0,288	76,752	19,234	17,610	-17,409	16,620	19,710	20,072	20,390	19,768	79,107	58,368	74,919
100,167	0,227	0,438	0,521	0,198	0,291	76,763	19,153	22,237	-13,146	11,718	19,722	20,061	20,393	19,773	79,053	58,354	74,889
100,333	0,221	0,463	0,521	0,199	0,285	76,631	19,066	23,762	-15,529	22,706	19,712	20,070	20,387	19,771	79,004	58,342	74,847
100,500	0,218	0,471	0,521	0,198	0,289	76,602	19,054	22,139	-15,713	16,737	19,724	20,068	20,402	19,779	78,980	58,325	74,812
100,667	0,218	0,470	0,521	0,201	0,293	76,513	19,030	22,903	-13,416	16,632	19,715	20,072	20,411	19,777	78,942	58,313	74,782
100,833	0,218	0,451	0,521	0,199	0,286	76,425	18,999	25,944	-13,781	20,939	19,730	20,068	20,404	19,780	78,892	58,307	74,755
101,000	0,226	0,429	0,522	0,196	0,288	76,348	19,101	28,217	-14,234	23,881	19,717	20,069	20,406	19,783	78,835	58,302	74,720
101,167	0,230	0,411	0,521	0,199	0,292	76,262	19,142	26,343	-14,271	21,218	19,722	20,071	20,404	19,783	78,748	58,291	74,693
101,333	0,227	0,409	0,521	0,197	0,289	76,209	19,168	24,612	-13,019	19,579	19,721	20,076	20,397	19,783	78,754	58,297	74,663

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
95,500	54,956	0,366	0,359	7754,426	8336,099	54,847	8,268	510,435	8,108	11,532	4,384	2017-09-15 09:55
95,667	54,939	0,366	0,359	7784,981	8362,684	50,647	8,456	510,435	8,083	11,408	4,361	2017-09-15 09:55
95,834	54,925	0,366	0,358	7801,743	8411,632	65,768	8,536	510,435	8,029	11,631	4,403	2017-09-15 09:55
96,000	54,920	0,366	0,358	7816,184	8428,608	83,717	8,525	510,435	7,878	11,699	4,416	2017-09-15 09:56
96,167	54,913	0,366	0,358	7840,914	8491,067	78,147	8,160	510,342	8,065	11,638	4,404	2017-09-15 09:56
96,334	54,909	0,366	0,359	7875,877	8530,840	76,396	8,578	510,435	7,910	11,460	4,370	2017-09-15 09:56
96,500	54,896	0,367	0,359	7912,517	8565,041	56,984	8,944	510,342	8,146	11,466	4,372	2017-09-15 09:56
96,667	54,881	0,366	0,359	7943,134	8641,973	44,080	9,165	510,342	7,829	11,434	4,365	2017-09-15 09:56
96,834	54,856	0,366	0,359	7982,279	8645,595	32,003	9,264	510,247	8,010	11,666	4,409	2017-09-15 09:56
97,000	54,835	0,366	0,359	8011,448	8695,287	37,027	9,047	510,343	8,084	11,690	4,414	2017-09-15 09:57
97,167	54,817	0,366	0,358	8041,529	8735,827	56,942	8,619	510,342	8,021	11,536	4,385	2017-09-15 09:57
97,334	54,794	0,366	0,358	8080,807	8759,457	56,734	8,447	510,342	7,931	11,418	4,362	2017-09-15 09:57
97,500	54,774	0,366	0,358	8133,946	8741,933	64,492	8,438	510,342	7,952	11,697	4,415	2017-09-15 09:57
97,667	54,765	0,366	0,359	8166,512	8766,058	43,312	8,728	510,342	8,073	11,582	4,394	2017-09-15 09:57
97,833	54,759	0,366	0,359	8208,127	8788,831	52,763	8,845	510,342	8,159	11,327	4,345	2017-09-15 09:57
98,000	54,765	0,366	0,358	8221,772	8781,082	54,948	8,826	510,342	8,039	11,479	4,374	2017-09-15 09:58
98,167	54,763	0,366	0,358	8232,347	8788,409	69,193	8,538	510,342	7,856	11,654	4,407	2017-09-15 09:58
98,333	54,762	0,366	0,358	8245,755	8790,187	76,458	8,229	510,342	7,846	11,308	4,341	2017-09-15 09:58
98,500	54,759	0,366	0,359	8264,704	8811,307	93,629	7,875	510,248	7,959	11,481	4,374	2017-09-15 09:58
98,667	54,746	0,365	0,359	8285,888	8808,152	113,110	7,236	510,248	7,964	11,563	4,390	2017-09-15 09:58
98,833	54,731	0,366	0,359	8303,760	8789,150	162,396	6,559	510,342	7,880	11,698	4,416	2017-09-15 09:58
99,000	54,714	0,366	0,359	8317,380	8793,897	146,889	6,292	510,247	8,109	11,565	4,390	2017-09-15 09:59
99,167	54,698	0,366	0,359	8330,445	8790,090	187,999	5,913	510,248	8,173	11,700	4,416	2017-09-15 09:59
99,333	54,680	0,366	0,359	8338,421	8777,179	158,018	5,800	510,248	7,970	11,467	4,372	2017-09-15 09:59
99,500	54,667	0,366	0,359	8344,061	8741,778	183,788	5,725	510,247	8,131	11,411	4,361	2017-09-15 09:59
99,667	54,657	0,366	0,358	8334,048	8740,578	187,582	5,376	510,247	8,101	11,306	4,341	2017-09-15 09:59
99,833	54,652	0,366	0,358	8333,285	8674,394	237,065	5,343	510,247	8,201	11,365	4,352	2017-09-15 09:59
100,000	54,652	0,366	0,359	8330,184	8681,493	192,485	5,495	510,247	7,680	11,525	4,383	2017-09-15 10:00
100,167	54,660	0,366	0,358	8312,329	8668,053	174,254	5,944	510,247	7,914	11,623	4,401	2017-09-15 10:00
100,333	54,672	0,366	0,359	8304,063	8655,106	139,371	6,576	510,248	7,979	11,402	4,359	2017-09-15 10:00
100,500	54,684	0,366	0,359	8280,847	8655,818	119,236	6,768	510,248	7,937	11,554	4,388	2017-09-15 10:00
100,667	54,687	0,366	0,359	8268,938	8640,703	123,426	6,760	510,248	8,032	11,706	4,417	2017-09-15 10:00
100,833	54,683	0,366	0,358	8245,756	8621,452	122,158	6,272	510,247	7,965	11,456	4,370	2017-09-15 10:00
101,000	54,676	0,365	0,358	8234,714	8587,499	170,422	5,719	510,342	7,826	11,525	4,383	2017-09-15 10:01
101,167	54,668	0,366	0,359	8230,656	8570,592	194,302	5,282	510,248	7,956	11,692	4,414	2017-09-15 10:01
101,333	54,660	0,366	0,359	8222,385	8571,728	176,276	5,234	510,248	7,872	11,556	4,389	2017-09-15 10:01

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
101,500	0,228	0,414	0,521	0,200	0,282	76,131	19,153	22,279	-13,437	21,800	19,719	20,082	20,402	19,780	78,676	58,289	74,627
101,667	0,223	0,416	0,522	0,198	0,290	76,035	19,186	25,627	-14,030	22,307	19,726	20,068	20,409	19,781	78,552	58,283	74,588
101,834	0,227	0,423	0,521	0,200	0,290	75,942	19,172	23,453	-13,125	18,708	19,734	20,093	20,414	19,791	78,579	58,281	74,543
102,000	0,225	0,427	0,521	0,199	0,293	75,862	19,155	26,919	-15,753	21,942	19,726	20,084	20,416	19,787	78,464	58,272	74,507
102,167	0,224	0,425	0,521	0,202	0,289	75,772	19,183	20,948	-16,349	22,369	19,714	20,073	20,405	19,780	78,371	58,262	74,457
102,334	0,234	0,426	0,521	0,197	0,290	75,670	19,216	21,217	-14,266	12,702	19,731	20,079	20,405	19,783	78,325	58,242	74,414
102,500	0,233	0,428	0,521	0,196	0,290	75,595	19,316	23,530	-16,197	25,737	19,739	20,080	20,409	19,797	78,192	58,238	74,360
102,667	0,228	0,429	0,521	0,195	0,290	75,518	19,246	22,573	-14,966	15,607	19,732	20,073	20,406	19,788	78,212	58,225	74,305
102,834	0,227	0,432	0,521	0,196	0,288	75,432	19,225	20,191	-15,084	21,705	19,729	20,067	20,413	19,788	78,085	58,217	74,246
103,000	0,228	0,425	0,521	0,197	0,290	75,366	19,241	23,931	-13,611	15,745	19,726	20,071	20,418	19,793	77,987	58,209	74,196
103,167	0,230	0,406	0,521	0,199	0,288	75,259	19,224	24,018	-16,187	25,720	19,722	20,093	20,414	19,788	77,977	58,207	74,146
103,334	0,227	0,394	0,521	0,194	0,290	75,195	19,229	18,700	-14,986	13,837	19,738	20,084	20,407	19,795	77,829	58,205	74,088
103,500	0,230	0,386	0,521	0,197	0,290	75,109	19,231	18,034	-17,421	19,777	19,734	20,087	20,413	19,795	77,795	58,215	74,027
103,667	0,227	0,387	0,521	0,199	0,288	75,047	19,227	17,469	-15,609	17,378	19,727	20,079	20,396	19,788	77,682	58,213	73,977
103,834	0,224	0,398	0,521	0,199	0,287	74,941	19,243	19,550	-12,937	11,573	19,735	20,087	20,420	19,801	77,594	58,219	73,910
104,000	0,226	0,402	0,521	0,200	0,285	74,881	19,222	23,129	-15,186	22,422	19,734	20,081	20,430	19,796	77,515	58,213	73,845
104,167	0,228	0,396	0,521	0,199	0,284	74,768	19,220	21,794	-12,406	15,617	19,735	20,068	20,418	19,796	77,445	58,201	73,780
104,334	0,227	0,390	0,521	0,191	0,287	74,703	19,218	24,740	-14,603	23,603	19,735	20,092	20,420	19,795	77,340	58,205	73,714
104,500	0,234	0,389	0,521	0,195	0,286	74,665	19,240	24,848	-13,220	17,813	19,751	20,089	20,429	19,803	77,220	58,180	73,653
104,667	0,237	0,391	0,521	0,196	0,288	74,621	19,245	27,702	-14,167	20,058	19,738	20,087	20,429	19,808	77,126	58,169	73,584
104,833	0,245	0,384	0,521	0,194	0,288	74,506	19,240	25,903	-14,694	22,820	19,730	20,076	20,417	19,797	77,033	58,168	73,511
105,000	0,246	0,370	0,521	0,195	0,293	74,477	19,224	24,918	-15,732	22,596	19,723	20,078	20,434	19,797	76,955	58,168	73,438
105,167	0,245	0,363	0,521	0,198	0,292	74,365	19,219	22,441	-11,958	12,780	19,734	20,088	20,428	19,803	76,771	58,145	73,363

Froling_PE135kw_170915_start_cat II.DAT

Pre burn category II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
101,500	54,655	0,366	0,359	8221,146	8542,299	180,015	5,360	510,248	7,998	11,285	4,337	2017-09-15 10:01
101,667	54,651	0,366	0,359	8198,684	8489,727	152,223	5,409	510,342	7,916	11,595	4,396	2017-09-15 10:01
101,834	54,651	0,366	0,359	8182,532	8500,654	175,613	5,578	510,248	8,003	11,588	4,395	2017-09-15 10:01
102,000	54,656	0,366	0,359	8167,535	8469,624	166,846	5,668	510,248	7,977	11,715	4,419	2017-09-15 10:02
102,167	54,663	0,366	0,359	8146,215	8428,544	160,756	5,627	510,247	8,090	11,555	4,388	2017-09-15 10:02
102,334	54,684	0,366	0,359	8130,332	8417,252	220,902	5,661	510,248	7,879	11,618	4,400	2017-09-15 10:02
102,500	54,716	0,366	0,359	8076,788	8362,061	213,581	5,708	510,248	7,831	11,608	4,398	2017-09-15 10:02
102,667	54,744	0,366	0,359	8054,213	8374,253	182,707	5,737	510,248	7,793	11,599	4,397	2017-09-15 10:02
102,834	54,765	0,366	0,359	8009,468	8319,676	176,704	5,790	510,247	7,843	11,522	4,382	2017-09-15 10:02
103,000	54,777	0,366	0,359	7988,714	8279,562	181,922	5,616	510,247	7,882	11,587	4,394	2017-09-15 10:03
103,167	54,782	0,366	0,359	7972,919	8287,897	197,019	5,156	510,247	7,980	11,529	4,384	2017-09-15 10:03
103,334	54,787	0,367	0,359	7951,737	8236,682	173,580	4,856	510,248	7,774	11,615	4,400	2017-09-15 10:03
103,500	54,789	0,366	0,359	7921,130	8206,652	195,771	4,640	510,248	7,866	11,587	4,394	2017-09-15 10:03
103,667	54,794	0,366	0,359	7894,933	8160,489	177,603	4,680	510,248	7,960	11,525	4,383	2017-09-15 10:03
103,834	54,798	0,366	0,359	7866,029	8112,394	155,447	4,948	510,247	7,941	11,496	4,377	2017-09-15 10:03
104,000	54,805	0,366	0,359	7837,907	8088,117	172,284	5,045	510,248	7,992	11,390	4,357	2017-09-15 10:04
104,167	54,821	0,366	0,359	7812,169	8068,676	182,329	4,906	510,248	7,954	11,378	4,355	2017-09-15 10:04
104,334	54,841	0,366	0,359	7773,002	8016,592	176,877	4,743	510,248	7,651	11,467	4,372	2017-09-15 10:04
104,500	54,866	0,366	0,360	7746,300	7980,519	217,584	4,722	510,155	7,798	11,425	4,364	2017-09-15 10:04
104,667	54,888	0,366	0,359	7700,077	7945,194	237,621	4,785	510,248	7,823	11,538	4,385	2017-09-15 10:04
104,833	54,909	0,365	0,358	7642,246	7890,748	291,604	4,593	510,247	7,772	11,521	4,382	2017-09-15 10:04
105,000	54,917	0,366	0,359	7623,089	7873,354	293,032	4,259	510,154	7,810	11,730	4,421	2017-09-15 10:05
105,167	54,931	0,366	0,360	7594,942	7803,387	287,396	4,085	510,248	7,925	11,661	4,409	2017-09-15 10:05

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

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	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
0,001	0,234	0,386	0,522	0,193	0,286	74,160	19,245	24,444	-16,881	17,269	19,744	20,075	20,434	19,797	76,483	58,157	73,118
0,167	0,231	0,385	0,521	0,198	0,290	74,057	19,324	21,580	-16,744	22,580	19,735	20,088	20,430	19,799	76,384	58,158	73,032
0,384	0,227	0,379	0,521	0,196	0,286	73,955	19,441	19,376	-18,315	16,930	19,759	20,083	20,434	19,808	76,210	58,148	72,927
0,661	0,228	0,386	0,521	0,197	0,292	73,862	19,286	19,203	-15,514	10,874	19,737	20,088	20,429	19,803	76,110	58,143	72,789
0,719	0,218	0,402	0,521	0,194	0,290	73,807	19,283	24,208	-17,380	20,272	19,744	20,091	20,409	19,800	75,893	58,113	72,674
0,966	0,227	0,401	0,521	0,195	0,286	73,718	19,271	22,988	-15,709	14,854	19,729	20,085	20,438	19,803	75,920	58,117	72,639
1,256	0,228	0,394	0,521	0,192	0,291	73,633	19,253	26,199	-12,588	17,246	19,746	20,080	20,428	19,801	75,777	58,105	72,478
1,314	0,229	0,388	0,521	0,190	0,292	73,623	19,258	28,585	-8,595	31,296	19,733	20,085	20,430	19,800	75,762	58,083	72,446
1,372	0,225	0,372	0,521	0,192	0,288	73,594	19,236	24,246	-14,700	15,792	19,730	20,061	20,431	19,800	75,576	58,094	72,358
1,569	0,224	0,371	0,521	0,194	0,288	73,559	19,218	27,613	-6,290	19,930	19,763	20,096	20,442	19,807	75,563	58,111	72,337
1,760	0,226	0,376	0,521	0,190	0,285	73,521	19,230	24,372	-15,107	28,298	19,764	20,088	20,451	19,819	75,625	58,101	72,272
1,833	0,227	0,380	0,521	0,193	0,292	73,521	19,211	20,992	-14,251	18,021	19,748	20,087	20,437	19,807	75,598	58,105	72,238
2,000	0,229	0,386	0,521	0,192	0,294	73,502	19,240	19,171	-15,115	17,946	19,754	20,090	20,447	19,812	75,448	58,087	72,160
2,167	0,234	0,396	0,521	0,190	0,292	73,424	19,248	21,369	-12,489	9,821	19,754	20,095	20,430	19,815	75,397	58,082	72,079
2,333	0,235	0,393	0,521	0,193	0,291	73,404	19,231	26,153	-14,766	23,822	19,743	20,089	20,438	19,808	75,378	58,074	71,995
2,500	0,230	0,384	0,521	0,193	0,291	73,378	19,190	23,857	-13,693	15,536	19,750	20,092	20,436	19,809	75,377	58,076	71,929
2,667	0,226	0,375	0,521	0,192	0,290	73,389	19,087	23,214	-16,502	22,374	19,747	20,087	20,430	19,809	75,237	58,072	71,868
2,834	0,226	0,385	0,521	0,189	0,287	73,410	19,145	21,797	-13,028	15,132	19,747	20,088	20,438	19,811	75,044	58,064	71,827
3,000	0,227	0,407	0,521	0,187	0,287	73,371	19,133	28,012	-12,906	18,089	19,759	20,084	20,449	19,809	74,999	58,064	71,787
3,167	0,222	0,422	0,521	0,189	0,285	73,348	19,197	28,307	-11,775	20,226	19,751	20,107	20,449	19,825	75,071	58,060	71,741
3,334	0,224	0,425	0,521	0,199	0,290	73,366	19,214	24,657	-15,735	27,787	19,772	20,098	20,445	19,824	74,902	58,054	71,688
3,500	0,220	0,417	0,521	0,193	0,286	73,340	19,213	23,855	-13,666	12,559	19,759	20,099	20,467	19,832	74,815	58,048	71,611
3,667	0,219	0,415	0,521	0,196	0,292	73,296	19,221	26,897	-12,259	18,640	19,761	20,104	20,459	19,829	74,681	58,055	71,513
3,834	0,221	0,414	0,521	0,195	0,291	73,286	19,248	24,102	-15,808	26,042	19,767	20,112	20,456	19,835	74,862	58,044	71,465
4,000	0,227	0,405	0,521	0,194	0,289	73,285	19,243	21,917	-13,538	11,292	19,753	20,095	20,438	19,816	74,847	58,036	71,395
4,167	0,228	0,393	0,521	0,195	0,287	73,331	19,247	27,264	-12,327	18,496	19,759	20,095	20,453	19,819	74,806	58,023	71,323
4,334	0,232	0,381	0,521	0,197	0,284	73,335	19,383	27,082	-14,218	26,329	19,760	20,100	20,445	19,820	74,735	58,005	71,271
4,500	0,234	0,362	0,521	0,191	0,288	73,424	19,282	23,726	-13,040	16,563	19,759	20,088	20,454	19,823	74,634	57,970	71,265
4,667	0,234	0,351	0,521	0,195	0,288	73,381	19,305	22,689	-15,471	30,331	19,757	20,103	20,450	19,827	74,600	57,976	71,241
4,834	0,232	0,353	0,521	0,193	0,289	73,364	19,269	23,011	-12,505	11,484	19,753	20,096	20,445	19,820	74,522	57,947	71,222
5,000	0,233	0,366	0,521	0,196	0,286	73,345	19,276	23,840	-14,955	28,487	19,759	20,086	20,455	19,825	74,514	57,933	71,198
5,167	0,229	0,377	0,521	0,191	0,285	73,287	19,267	23,330	-11,311	10,908	19,774	20,106	20,453	19,829	74,434	57,922	71,148
5,333	0,224	0,377	0,521	0,195	0,284	73,280	19,312	28,845	-13,640	21,595	19,761	20,096	20,442	19,821	74,340	57,917	71,092
5,500	0,223	0,371	0,521	0,192	0,286	73,266	19,265	27,891	-14,953	21,931	19,762	20,102	20,454	19,825	74,423	57,906	71,040

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	54,943	6,330	6,012	125239,654	132790,261	221,357	4,651	510,342	7,706	11,432	4,365	2017-09-15 10:05
0,167	54,951	0,366	0,359	7433,241	7625,743	202,699	4,622	510,247	7,914	11,604	4,398	2017-09-15 10:05
0,384	54,964	0,366	0,359	7392,586	7567,053	174,619	4,481	510,248	7,857	11,423	4,363	2017-09-15 10:06
0,661	54,989	0,366	0,359	7316,441	7525,041	183,190	4,650	510,247	7,886	11,662	4,409	2017-09-15 10:06
0,719	55,015	0,366	0,358	7254,804	7448,654	123,436	5,049	510,248	7,762	11,609	4,399	2017-09-15 10:06
0,966	55,023	0,366	0,359	7244,109	7455,626	177,954	5,030	510,248	7,783	11,436	4,366	2017-09-15 10:06
1,256	55,043	0,366	0,359	7171,937	7409,449	181,172	4,857	510,247	7,687	11,645	4,405	2017-09-15 10:07
1,314	55,048	0,366	0,359	7150,707	7402,688	190,108	4,696	510,247	7,607	11,692	4,414	2017-09-15 10:07
1,372	55,056	0,366	0,360	7136,957	7332,706	162,635	4,293	510,248	7,677	11,510	4,380	2017-09-15 10:07
1,569	55,060	0,366	0,359	7107,646	7309,912	155,075	4,273	510,247	7,755	11,517	4,381	2017-09-15 10:07
1,760	55,067	0,365	0,359	7080,189	7326,532	171,005	4,395	510,247	7,604	11,388	4,357	2017-09-15 10:07
1,833	55,066	0,365	0,358	7053,905	7308,130	174,605	4,500	510,247	7,705	11,668	4,410	2017-09-15 10:07
2,000	55,068	0,366	0,359	7022,336	7263,940	188,041	4,658	510,247	7,662	11,777	4,430	2017-09-15 10:07
2,167	55,070	0,365	0,359	6991,466	7240,354	222,587	4,892	510,248	7,604	11,699	4,416	2017-09-15 10:07
2,333	55,075	0,366	0,359	6961,622	7240,247	225,329	4,828	510,248	7,718	11,620	4,401	2017-09-15 10:08
2,500	55,079	0,366	0,359	6933,241	7243,923	197,033	4,598	510,248	7,711	11,629	4,402	2017-09-15 10:08
2,667	55,090	0,366	0,359	6902,562	7185,656	171,110	4,373	510,248	7,670	11,602	4,397	2017-09-15 10:08
2,834	55,105	0,365	0,359	6876,156	7101,184	172,093	4,623	510,181	7,571	11,465	4,371	2017-09-15 10:08
3,000	55,113	0,366	0,358	6843,566	7086,751	179,226	5,172	510,248	7,468	11,479	4,374	2017-09-15 10:08
3,167	55,123	0,366	0,359	6830,423	7127,267	147,084	5,545	510,247	7,558	11,405	4,360	2017-09-15 10:08
3,334	55,113	0,366	0,359	6818,644	7055,827	158,841	5,631	510,248	7,949	11,611	4,399	2017-09-15 10:09
3,500	55,101	0,366	0,359	6793,827	7023,201	130,781	5,436	510,247	7,733	11,440	4,367	2017-09-15 10:09
3,667	55,087	0,366	0,359	6756,284	6962,476	126,786	5,381	510,154	7,822	11,692	4,414	2017-09-15 10:09
3,834	55,078	0,366	0,359	6737,805	7041,634	138,686	5,345	510,154	7,782	11,630	4,403	2017-09-15 10:09
4,000	55,067	0,366	0,359	6712,839	7035,972	175,849	5,127	510,247	7,742	11,573	4,392	2017-09-15 10:09
4,167	55,062	0,365	0,359	6681,423	7020,419	184,865	4,824	510,248	7,811	11,485	4,375	2017-09-15 10:09
4,334	55,056	0,366	0,359	6663,832	7004,433	209,224	4,521	510,247	7,878	11,371	4,353	2017-09-15 10:10
4,500	55,058	0,365	0,359	6662,735	6967,816	218,856	4,048	510,247	7,650	11,510	4,380	2017-09-15 10:10
4,667	55,063	0,366	0,359	6654,024	6960,815	221,017	3,780	510,154	7,792	11,526	4,383	2017-09-15 10:10
4,834	55,067	0,366	0,359	6653,437	6941,773	206,476	3,827	510,154	7,738	11,566	4,390	2017-09-15 10:10
5,000	55,072	0,366	0,359	6628,863	6940,416	211,507	4,149	510,154	7,829	11,456	4,370	2017-09-15 10:10
5,167	55,070	0,366	0,359	6612,915	6913,914	187,909	4,431	510,154	7,651	11,396	4,358	2017-09-15 10:10
5,333	55,062	0,366	0,359	6589,482	6871,481	158,873	4,425	510,154	7,816	11,350	4,349	2017-09-15 10:11
5,500	55,048	0,365	0,358	6565,772	6909,207	151,733	4,283	510,154	7,698	11,422	4,363	2017-09-15 10:11

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
5,667	0,227	0,368	0,521	0,195	0,283	73,320	19,297	26,257	-11,480	19,200	19,769	20,096	20,446	19,831	74,361	57,911	71,010
5,833	0,228	0,370	0,521	0,195	0,282	73,302	19,251	28,431	-14,752	25,624	19,772	20,094	20,448	19,829	74,299	57,903	70,983
6,000	0,230	0,369	0,521	0,191	0,278	73,364	19,263	20,337	-15,453	26,958	19,769	20,102	20,453	19,831	74,247	57,908	70,951
6,167	0,241	0,366	0,521	0,193	0,281	73,371	19,363	23,153	-14,665	15,333	19,770	20,100	20,450	19,832	74,184	57,895	70,902
6,333	0,247	0,376	0,521	0,193	0,285	73,551	19,335	19,005	-14,673	25,637	19,754	20,101	20,467	19,840	74,256	57,884	70,870
6,500	0,236	0,396	0,521	0,182	0,287	73,571	19,318	20,593	-13,384	9,686	19,761	20,098	20,469	19,835	74,155	57,878	70,832
6,667	0,229	0,418	0,521	0,196	0,284	73,654	19,320	23,250	-15,804	24,472	19,771	20,104	20,446	19,829	74,063	57,868	70,801
6,833	0,229	0,434	0,521	0,193	0,282	73,672	19,196	21,552	-14,440	16,300	19,762	20,103	20,471	19,835	74,222	57,859	70,763
7,000	0,224	0,442	0,521	0,195	0,280	73,790	19,283	21,565	-13,638	14,579	19,787	20,109	20,479	19,848	74,209	57,847	70,736
7,167	0,232	0,442	0,521	0,194	0,286	73,826	19,277	23,657	-15,517	20,875	19,770	20,108	20,461	19,835	74,242	57,841	70,694
7,333	0,230	0,440	0,521	0,190	0,282	73,923	19,321	19,041	-15,157	18,577	19,771	20,116	20,478	19,844	74,264	57,835	70,669
7,500	0,226	0,452	0,521	0,195	0,284	74,009	19,396	20,799	-13,287	14,012	19,781	20,110	20,475	19,845	74,394	57,827	70,681
7,667	0,221	0,471	0,521	0,196	0,291	74,161	19,396	28,522	-12,274	20,558	19,775	20,106	20,479	19,845	74,531	57,817	70,689
7,833	0,217	0,487	0,521	0,188	0,281	74,306	19,348	28,091	-12,312	23,092	19,774	20,083	20,474	19,836	74,578	57,808	70,688
8,000	0,217	0,501	0,521	0,194	0,284	74,495	19,377	23,250	-14,304	17,904	19,796	20,116	20,494	19,854	74,759	57,810	70,724
8,167	0,219	0,504	0,521	0,198	0,283	74,673	19,355	22,567	-15,650	26,575	19,795	20,118	20,481	19,858	74,964	57,808	70,783
8,333	0,214	0,517	0,521	0,194	0,284	74,819	19,330	18,090	-16,505	15,985	19,786	20,089	20,477	19,844	75,053	57,797	70,841
8,500	0,210	0,541	0,520	0,196	0,279	75,083	19,386	19,707	-14,069	11,304	19,806	20,138	20,488	19,868	75,220	57,800	70,907
8,667	0,208	0,557	0,520	0,191	0,283	75,325	19,448	27,266	-11,552	19,061	19,822	20,164	20,508	19,888	75,505	57,796	70,982
8,833	0,207	0,563	0,520	0,199	0,286	75,416	19,401	26,523	-14,056	26,300	19,790	20,119	20,491	19,858	75,676	57,793	71,079
9,000	0,206	0,567	0,520	0,192	0,280	75,634	19,368	23,540	-14,776	19,776	19,782	20,127	20,486	19,853	75,883	57,790	71,176
9,167	0,209	0,558	0,520	0,189	0,286	75,810	19,380	20,741	-15,416	19,490	19,806	20,133	20,513	19,881	75,943	57,794	71,303
9,333	0,210	0,545	0,520	0,196	0,283	75,906	19,326	23,804	-14,487	17,626	19,795	20,119	20,489	19,853	76,192	57,804	71,450
9,500	0,207	0,562	0,520	0,192	0,286	76,061	19,352	20,935	-14,475	20,070	19,794	20,127	20,494	19,857	76,285	57,818	71,590
9,667	0,206	0,582	0,520	0,193	0,284	76,314	19,386	22,032	-13,665	19,113	19,783	20,130	20,494	19,860	76,466	57,831	71,741
9,834	0,205	0,589	0,520	0,198	0,282	76,391	19,434	22,477	-14,944	18,372	19,789	20,113	20,482	19,854	76,679	57,851	71,862
10,000	0,206	0,586	0,520	0,195	0,285	76,579	19,392	22,524	-14,944	20,682	19,802	20,127	20,506	19,868	76,785	57,869	71,982
10,167	0,207	0,578	0,520	0,201	0,282	76,762	19,385	20,407	-16,062	19,627	19,810	20,129	20,498	19,876	76,942	57,887	72,109
10,334	0,206	0,567	0,519	0,199	0,282	76,886	19,397	22,391	-13,891	15,903	19,809	20,127	20,507	19,874	77,063	57,898	72,246
10,500	0,206	0,570	0,519	0,197	0,277	77,005	19,423	22,618	-15,154	26,773	19,776	20,114	20,491	19,857	77,282	57,906	72,406
10,667	0,206	0,587	0,519	0,189	0,279	77,117	19,404	20,545	-38,210	7,792	19,782	20,110	20,481	19,850	77,553	57,923	72,555
10,834	0,204	0,596	0,519	0,199	0,286	77,283	19,418	16,144	-17,209	24,239	19,798	20,121	20,498	19,864	77,662	57,943	72,686
11,000	0,206	0,593	0,519	0,200	0,285	77,382	19,372	15,944	-17,890	18,631	19,801	20,109	20,498	19,862	77,994	57,951	72,824
11,167	0,206	0,588	0,519	0,197	0,286	77,507	19,424	17,900	-17,009	19,885	19,852	20,169	20,547	19,914	78,145	57,974	72,971
11,334	0,204	0,597	0,519	0,196	0,280	77,528	19,397	17,648	-16,029	16,034	19,822	20,140	20,511	19,880	78,325	57,990	73,127
11,500	0,204	0,591	0,519	0,200	0,286	77,623	19,387	20,544	-15,006	16,757	19,823	20,146	20,519	19,886	78,474	58,015	73,289
11,667	0,206	0,578	0,519	0,206	0,283	77,751	19,395	23,936	-13,888	19,103	19,827	20,145	20,526	19,888	78,549	58,037	73,445

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
5,667	55,036	0,366	0,359	6564,989	6882,789	177,530	4,204	510,154	7,800	11,310	4,342	2017-09-15 10:11
5,833	55,028	0,365	0,359	6555,404	6857,190	183,416	4,256	510,154	7,819	11,292	4,338	2017-09-15 10:11
6,000	55,016	0,365	0,358	6543,600	6832,903	197,234	4,217	510,155	7,648	11,113	4,304	2017-09-15 10:11
6,167	55,010	0,366	0,359	6535,111	6819,003	264,812	4,152	510,154	7,738	11,230	4,326	2017-09-15 10:11
6,333	55,007	0,366	0,359	6524,534	6863,203	304,334	4,411	510,154	7,736	11,419	4,363	2017-09-15 10:12
6,500	55,004	0,366	0,359	6514,171	6819,664	235,780	4,901	510,154	7,282	11,497	4,377	2017-09-15 10:12
6,667	55,000	0,366	0,359	6498,969	6779,922	186,335	5,454	510,154	7,855	11,380	4,355	2017-09-15 10:12
6,833	54,999	0,366	0,359	6483,970	6847,138	188,861	5,853	510,154	7,705	11,285	4,337	2017-09-15 10:12
7,000	54,996	0,366	0,359	6471,196	6850,728	159,279	6,055	510,154	7,783	11,201	4,321	2017-09-15 10:12
7,167	54,991	0,366	0,359	6461,237	6866,452	209,666	6,048	510,154	7,760	11,449	4,368	2017-09-15 10:12
7,333	54,981	0,366	0,359	6445,482	6880,655	193,023	6,008	510,154	7,588	11,299	4,340	2017-09-15 10:13
7,500	54,969	0,365	0,358	6450,426	6923,852	167,944	6,289	510,248	7,788	11,371	4,353	2017-09-15 10:13
7,667	54,960	0,365	0,358	6455,836	6987,051	139,145	6,773	510,154	7,830	11,623	4,401	2017-09-15 10:13
7,833	54,945	0,366	0,359	6472,281	7018,588	113,562	7,177	510,248	7,522	11,258	4,332	2017-09-15 10:13
8,000	54,937	0,365	0,359	6487,658	7086,525	112,311	7,521	510,154	7,754	11,343	4,348	2017-09-15 10:13
8,167	54,925	0,365	0,358	6513,629	7177,160	123,840	7,607	510,154	7,930	11,328	4,345	2017-09-15 10:13
8,333	54,917	0,366	0,359	6542,612	7220,880	96,600	7,927	510,154	7,746	11,372	4,354	2017-09-15 10:14
8,500	54,913	0,366	0,358	6569,651	7289,044	72,466	8,530	510,060	7,826	11,147	4,310	2017-09-15 10:14
8,667	54,913	0,365	0,358	6590,362	7405,628	59,944	8,919	510,060	7,655	11,310	4,342	2017-09-15 10:14
8,833	54,905	0,365	0,359	6645,786	7478,949	51,936	9,073	510,061	7,951	11,460	4,370	2017-09-15 10:14
9,000	54,900	0,365	0,358	6683,262	7569,572	48,392	9,171	510,061	7,686	11,182	4,317	2017-09-15 10:14
9,167	54,894	0,366	0,358	6739,487	7605,009	65,128	8,944	510,060	7,573	11,440	4,367	2017-09-15 10:14
9,333	54,885	0,366	0,359	6807,960	7697,121	72,501	8,617	509,968	7,841	11,336	4,347	2017-09-15 10:15
9,500	54,872	0,366	0,359	6872,472	7731,180	53,610	9,040	509,968	7,696	11,423	4,363	2017-09-15 10:15
9,667	54,857	0,366	0,359	6938,903	7797,979	43,041	9,551	509,968	7,716	11,340	4,347	2017-09-15 10:15
9,834	54,845	0,366	0,358	6989,747	7882,071	36,419	9,724	509,968	7,919	11,290	4,338	2017-09-15 10:15
10,000	54,834	0,365	0,358	7044,116	7909,996	46,575	9,640	509,968	7,802	11,399	4,359	2017-09-15 10:15
10,167	54,825	0,366	0,359	7103,939	7973,500	48,784	9,443	509,968	8,026	11,266	4,333	2017-09-15 10:15
10,334	54,811	0,366	0,359	7176,957	8030,088	46,258	9,187	509,826	7,947	11,272	4,334	2017-09-15 10:16
10,500	54,803	0,366	0,359	7241,390	8121,642	44,789	9,253	509,825	7,899	11,061	4,294	2017-09-15 10:16
10,667	54,795	0,366	0,359	7305,888	8219,184	43,128	9,666	509,825	7,574	11,166	4,314	2017-09-15 10:16
10,834	54,793	0,365	0,358	7348,539	8241,737	34,313	9,897	509,826	7,976	11,436	4,366	2017-09-15 10:16
11,000	54,785	0,365	0,358	7405,883	8381,480	43,788	9,825	509,826	7,999	11,404	4,360	2017-09-15 10:16
11,167	54,777	0,366	0,359	7482,305	8443,081	42,694	9,712	509,825	7,883	11,453	4,369	2017-09-15 10:16
11,334	54,766	0,366	0,359	7544,615	8512,634	32,447	9,920	509,732	7,852	11,214	4,323	2017-09-15 10:17
11,500	54,755	0,366	0,359	7618,409	8564,634	30,745	9,771	509,732	8,020	11,453	4,369	2017-09-15 10:17
11,667	54,742	0,366	0,359	7691,912	8590,428	43,684	9,454	509,732	8,236	11,301	4,340	2017-09-15 10:17

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
11,834	0,209	0,553	0,519	0,195	0,287	77,864	19,379	24,672	-14,916	24,219	19,815	20,156	20,514	19,884	78,682	58,055	73,594
12,000	0,210	0,546	0,519	0,199	0,285	77,985	19,425	19,863	-16,534	23,322	19,834	20,150	20,529	19,898	78,715	58,074	73,742
12,167	0,207	0,570	0,519	0,203	0,289	78,070	19,423	16,664	-17,531	16,492	19,805	20,132	20,493	19,872	78,895	58,094	73,889
12,333	0,205	0,586	0,519	0,202	0,283	78,206	19,516	15,709	-16,512	17,798	19,834	20,155	20,527	19,898	79,012	58,111	74,004
12,500	0,205	0,604	0,519	0,197	0,284	78,163	19,543	19,573	-13,687	11,538	19,834	20,159	20,537	19,904	79,155	58,129	74,115
12,667	0,205	0,599	0,519	0,200	0,284	78,124	19,365	23,634	-14,375	17,405	19,813	20,137	20,517	19,886	79,220	58,149	74,207
12,833	0,206	0,586	0,519	0,204	0,280	78,152	19,414	23,576	-15,885	18,796	19,831	20,159	20,521	19,900	79,354	58,164	74,303
13,000	0,208	0,576	0,518	0,204	0,281	78,090	19,323	19,850	-15,853	19,631	19,837	20,157	20,518	19,900	79,426	58,181	74,400
13,167	0,208	0,568	0,518	0,201	0,281	78,026	19,307	20,918	-14,276	8,623	19,827	20,145	20,514	19,888	79,394	58,197	74,499
13,333	0,205	0,575	0,518	0,202	0,280	78,012	19,370	24,851	-13,906	20,218	19,805	20,139	20,511	19,880	79,532	58,213	74,607
13,500	0,206	0,576	0,518	0,192	0,285	78,032	19,409	23,831	-15,737	24,104	19,799	20,123	20,493	19,873	79,600	58,229	74,705
13,667	0,206	0,583	0,519	0,199	0,287	78,033	19,506	18,977	-16,589	18,297	19,837	20,150	20,543	19,902	79,723	58,252	74,784
13,833	0,205	0,594	0,518	0,200	0,283	77,971	19,456	20,912	-14,276	12,268	19,826	20,137	20,527	19,884	79,761	58,268	74,851
14,000	0,205	0,585	0,518	0,204	0,285	77,905	19,467	23,948	-15,552	24,172	19,799	20,126	20,493	19,866	79,953	58,282	74,908
14,167	0,208	0,564	0,518	0,197	0,284	77,888	19,473	20,391	-16,775	18,077	19,821	20,147	20,525	19,890	80,035	58,310	74,978
14,333	0,211	0,531	0,518	0,203	0,284	77,885	19,463	19,895	-17,055	18,727	19,817	20,134	20,515	19,889	80,012	58,318	75,048
14,500	0,217	0,512	0,518	0,204	0,286	77,790	19,456	15,833	-16,182	17,855	19,801	20,110	20,496	19,872	79,976	58,317	75,135
14,667	0,215	0,496	0,518	0,199	0,284	77,688	19,494	20,685	-16,227	15,421	19,818	20,131	20,512	19,888	80,012	58,332	75,227
14,833	0,214	0,491	0,518	0,201	0,285	77,590	19,519	20,550	-14,971	19,428	19,801	20,129	20,501	19,874	80,038	58,333	75,286
15,000	0,219	0,479	0,518	0,198	0,279	77,609	19,490	22,008	-15,383	17,811	19,829	20,149	20,516	19,896	79,932	58,349	75,335
15,167	0,220	0,462	0,518	0,200	0,277	77,532	19,494	19,428	-15,917	18,223	19,827	20,154	20,539	19,902	79,994	58,371	75,368
15,333	0,223	0,443	0,518	0,203	0,284	77,393	19,474	19,626	-14,281	12,488	19,819	20,134	20,522	19,878	79,947	58,392	75,391
15,500	0,222	0,437	0,518	0,206	0,282	77,311	19,464	25,776	-12,012	18,449	19,819	20,158	20,527	19,894	79,901	58,423	75,417
15,667	0,218	0,448	0,518	0,202	0,282	77,235	19,448	27,221	-13,334	19,250	19,838	20,142	20,516	19,894	79,870	58,448	75,416
15,833	0,229	0,459	0,518	0,201	0,287	77,142	19,477	25,820	-16,934	27,727	19,841	20,162	20,538	19,908	79,882	58,463	75,414
16,000	0,230	0,466	0,518	0,199	0,285	77,109	19,486	22,191	-15,762	19,624	19,863	20,169	20,547	19,925	79,806	58,482	75,403
16,167	0,228	0,470	0,518	0,199	0,281	77,012	19,469	21,523	-14,838	13,683	19,821	20,137	20,525	19,896	79,829	58,493	75,394
16,334	0,222	0,474	0,518	0,201	0,290	77,044	19,496	22,907	-15,910	19,300	19,855	20,175	20,553	19,925	79,735	58,502	75,379
16,500	0,218	0,476	0,518	0,196	0,285	76,888	19,457	23,750	-13,350	17,874	19,829	20,136	20,508	19,893	79,726	58,508	75,356
16,667	0,214	0,470	0,518	0,201	0,285	76,795	19,424	27,294	-15,300	23,288	19,813	20,136	20,526	19,900	79,721	58,505	75,345
16,834	0,212	0,465	0,518	0,195	0,287	76,635	19,468	24,720	-15,606	20,059	19,838	20,161	20,543	19,905	79,738	58,509	75,325
17,000	0,209	0,479	0,518	0,198	0,287	76,462	19,359	22,543	-15,645	24,665	19,805	20,138	20,513	19,890	79,638	58,512	75,312
17,167	0,226	0,486	0,518	0,195	0,286	76,320	19,460	20,949	-13,476	10,484	19,835	20,161	20,534	19,906	79,559	58,525	75,293
17,334	0,228	0,473	0,518	0,199	0,283	76,157	19,484	28,853	-13,712	18,629	19,835	20,148	20,543	19,909	79,517	58,538	75,277
17,500	0,227	0,466	0,518	0,192	0,280	75,992	19,496	30,272	-11,924	21,168	19,835	20,153	20,513	19,905	79,488	58,552	75,256
17,667	0,227	0,454	0,518	0,199	0,282	75,883	19,561	31,400	-13,691	22,104	19,861	20,177	20,554	19,934	79,391	58,567	75,236
17,834	0,228	0,446	0,518	0,197	0,291	75,730	19,530	30,549	-15,639	23,975	19,851	20,163	20,545	19,916	79,304	58,575	75,209

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
11,834	54,730	0,365	0,359	7755,931	8628,891	62,310	8,816	509,732	7,790	11,477	4,374	2017-09-15 10:17
12,000	54,719	0,365	0,359	7819,565	8630,124	69,263	8,655	509,732	7,949	11,404	4,360	2017-09-15 10:17
12,167	54,708	0,366	0,359	7893,528	8707,638	50,678	9,250	509,732	8,128	11,568	4,391	2017-09-15 10:17
12,333	54,707	0,366	0,359	7938,604	8752,423	42,075	9,643	509,732	8,061	11,310	4,342	2017-09-15 10:18
12,500	54,715	0,366	0,359	7984,498	8813,336	38,298	10,110	509,732	7,865	11,347	4,349	2017-09-15 10:18
12,667	54,719	0,366	0,359	8017,061	8826,647	38,302	9,981	509,732	8,002	11,343	4,348	2017-09-15 10:18
12,833	54,727	0,366	0,359	8051,830	8868,990	47,513	9,656	509,732	8,164	11,211	4,323	2017-09-15 10:18
13,000	54,723	0,366	0,359	8097,206	8896,042	58,033	9,412	509,638	8,175	11,254	4,331	2017-09-15 10:18
13,167	54,723	0,365	0,359	8129,872	8862,793	55,893	9,190	509,638	8,057	11,254	4,331	2017-09-15 10:18
13,333	54,711	0,365	0,358	8175,856	8919,043	37,270	9,385	509,638	8,064	11,220	4,324	2017-09-15 10:19
13,500	54,702	0,366	0,359	8220,951	8958,259	45,223	9,397	509,638	7,676	11,412	4,361	2017-09-15 10:19
13,667	54,690	0,366	0,359	8262,559	8994,105	44,598	9,585	509,728	7,941	11,489	4,376	2017-09-15 10:19
13,833	54,683	0,366	0,359	8298,365	9013,147	37,673	9,846	509,638	8,010	11,305	4,341	2017-09-15 10:19
14,000	54,676	0,366	0,359	8331,014	9079,411	39,827	9,631	509,639	8,177	11,408	4,360	2017-09-15 10:19
14,167	54,680	0,366	0,359	8348,865	9102,927	59,628	9,101	509,638	7,881	11,355	4,350	2017-09-15 10:19
14,333	54,703	0,366	0,359	8364,544	9085,920	76,733	8,282	509,639	8,115	11,370	4,353	2017-09-15 10:20
14,500	54,738	0,365	0,359	8393,076	9060,498	114,389	7,792	509,544	8,171	11,425	4,364	2017-09-15 10:20
14,667	54,766	0,365	0,359	8423,041	9071,967	102,892	7,393	509,638	7,950	11,346	4,348	2017-09-15 10:20
14,833	54,789	0,366	0,359	8440,200	9085,836	97,628	7,267	509,545	8,022	11,391	4,357	2017-09-15 10:20
15,000	54,802	0,365	0,359	8444,282	9025,734	128,648	6,970	509,545	7,933	11,166	4,314	2017-09-15 10:20
15,167	54,811	0,365	0,359	8459,610	9048,135	132,658	6,543	509,545	7,996	11,094	4,300	2017-09-15 10:20
15,333	54,811	0,365	0,358	8454,812	9012,268	149,189	6,079	509,545	8,117	11,344	4,348	2017-09-15 10:21
15,500	54,811	0,366	0,359	8475,163	8988,477	148,123	5,914	509,562	8,229	11,295	4,339	2017-09-15 10:21
15,667	54,815	0,366	0,359	8482,524	8963,778	120,501	6,204	509,545	8,075	11,296	4,339	2017-09-15 10:21
15,833	54,814	0,366	0,359	8488,499	8970,181	188,409	6,466	509,545	8,035	11,466	4,371	2017-09-15 10:21
16,000	54,823	0,366	0,359	8472,042	8924,823	195,344	6,660	509,639	7,952	11,395	4,358	2017-09-15 10:21
16,167	54,831	0,366	0,359	8456,525	8929,011	182,280	6,744	509,544	7,941	11,222	4,325	2017-09-15 10:21
16,334	54,856	0,365	0,359	8438,120	8868,165	147,132	6,853	509,544	8,050	11,614	4,400	2017-09-15 10:22
16,500	54,886	0,365	0,359	8416,679	8875,265	118,405	6,890	509,545	7,853	11,412	4,361	2017-09-15 10:22
16,667	54,913	0,366	0,359	8409,353	8882,525	96,138	6,746	509,544	8,049	11,401	4,359	2017-09-15 10:22
16,834	54,940	0,366	0,359	8386,090	8888,786	84,425	6,629	509,544	7,791	11,494	4,377	2017-09-15 10:22
17,000	54,953	0,365	0,358	8364,652	8836,815	65,542	6,987	509,544	7,931	11,482	4,375	2017-09-15 10:22
17,167	54,969	0,365	0,359	8353,996	8792,729	171,627	7,152	509,544	7,784	11,425	4,364	2017-09-15 10:22
17,334	54,977	0,366	0,359	8349,033	8781,975	183,670	6,818	509,544	7,957	11,303	4,340	2017-09-15 10:23
17,500	54,989	0,365	0,359	8336,527	8757,910	174,605	6,646	509,544	7,693	11,213	4,323	2017-09-15 10:23
17,667	54,992	0,366	0,359	8324,775	8718,884	177,353	6,351	509,545	7,945	11,292	4,338	2017-09-15 10:23
17,834	55,001	0,365	0,359	8311,229	8666,999	183,642	6,151	509,545	7,865	11,645	4,405	2017-09-15 10:23

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
18,000	0,226	0,433	0,518	0,197	0,284	75,578	19,497	25,861	-16,149	22,447	19,842	20,179	20,543	19,918	79,189	58,588	75,170
18,167	0,229	0,421	0,518	0,199	0,285	75,515	19,500	20,802	-16,402	18,182	19,859	20,170	20,553	19,933	79,049	58,602	75,124
18,334	0,233	0,412	0,518	0,200	0,282	75,398	19,538	21,822	-16,013	18,760	19,887	20,194	20,575	19,946	78,934	58,610	75,074
18,500	0,230	0,405	0,518	0,199	0,290	75,324	19,525	18,516	-17,046	19,681	19,871	20,189	20,587	19,950	78,857	58,603	75,027
18,667	0,231	0,390	0,518	0,199	0,285	75,218	19,439	19,566	-15,948	15,276	19,815	20,136	20,529	19,893	78,705	58,598	74,965
18,833	0,238	0,373	0,518	0,198	0,287	75,139	19,502	21,311	-15,679	19,936	19,829	20,153	20,526	19,908	78,633	58,594	74,894
19,029	0,236	0,365	0,518	0,196	0,284	75,059	19,504	20,824	-17,386	17,997	19,814	20,125	20,521	19,890	78,412	58,594	74,801
19,167	0,229	0,376	0,518	0,193	0,284	75,094	19,538	17,502	-13,753	16,436	19,811	20,117	20,504	19,889	78,486	58,602	74,734
19,333	0,223	0,396	0,518	0,198	0,284	75,184	19,529	21,454	-16,672	10,937	19,816	20,137	20,539	19,897	78,230	58,608	74,646
19,500	0,225	0,412	0,518	0,196	0,286	75,223	19,540	26,594	-15,603	22,281	19,814	20,151	20,521	19,905	78,178	58,619	74,562
19,667	0,236	0,417	0,518	0,200	0,293	75,221	19,482	25,673	-14,629	21,388	19,825	20,144	20,526	19,902	78,098	58,619	74,472
19,833	0,239	0,419	0,518	0,191	0,287	75,242	19,455	22,248	-16,594	22,143	19,830	20,134	20,518	19,896	78,133	58,614	74,382
20,000	0,234	0,430	0,518	0,203	0,286	75,266	19,475	19,498	-14,271	13,908	19,818	20,137	20,525	19,897	78,076	58,626	74,310
20,167	0,228	0,441	0,518	0,193	0,290	75,340	19,471	23,347	-14,725	16,422	19,839	20,154	20,543	19,918	77,968	58,628	74,241
20,333	0,239	0,439	0,518	0,199	0,288	75,321	19,450	23,902	-16,272	23,743	19,839	20,144	20,528	19,909	77,938	58,623	74,176
20,500	0,231	0,441	0,518	0,197	0,287	75,395	19,504	19,762	-15,765	17,097	19,838	20,153	20,550	19,914	77,984	58,610	74,111
20,667	0,225	0,434	0,518	0,193	0,282	75,416	19,616	18,316	-15,437	15,412	19,859	20,174	20,567	19,935	77,887	58,610	74,052
20,833	0,224	0,437	0,518	0,196	0,288	75,511	19,556	22,393	-15,735	18,591	19,843	20,167	20,546	19,921	77,847	58,604	73,998
21,000	0,226	0,444	0,517	0,197	0,285	75,500	19,556	28,021	-15,630	21,831	19,822	20,158	20,529	19,909	77,851	58,588	73,957
21,167	0,244	0,444	0,518	0,192	0,283	75,508	19,567	23,364	-16,445	26,410	19,844	20,175	20,555	19,925	77,790	58,585	73,919
21,333	0,245	0,447	0,518	0,197	0,284	75,453	19,603	19,816	-17,388	18,519	19,831	20,162	20,531	19,905	77,813	58,555	73,885
21,500	0,242	0,450	0,518	0,198	0,284	75,430	19,586	19,289	-17,298	18,454	19,839	20,157	20,528	19,908	77,803	58,560	73,857
21,667	0,241	0,437	0,517	0,201	0,285	75,453	19,613	15,869	-15,464	14,722	19,832	20,175	20,539	19,914	77,771	58,556	73,826
21,833	0,236	0,429	0,518	0,200	0,279	75,489	19,542	16,913	-15,784	9,258	19,841	20,161	20,541	19,917	77,750	58,559	73,807
22,000	0,233	0,425	0,518	0,201	0,279	75,501	19,543	23,530	-16,297	23,674	19,834	20,170	20,540	19,917	77,686	58,553	73,790
22,167	0,227	0,430	0,517	0,203	0,286	75,499	19,487	20,905	-14,774	15,244	19,841	20,171	20,543	19,917	77,709	58,552	73,773
22,333	0,232	0,431	0,517	0,195	0,286	75,557	19,612	19,816	-16,573	19,539	19,837	20,167	20,546	19,920	77,663	58,549	73,757
22,500	0,224	0,449	0,517	0,201	0,283	75,513	19,555	20,077	-13,634	10,061	19,834	20,176	20,554	19,917	77,670	58,547	73,729
22,667	0,221	0,463	0,518	0,195	0,283	75,540	19,561	25,415	-15,087	23,914	19,821	20,178	20,534	19,916	77,655	58,547	73,703
22,833	0,219	0,466	0,517	0,198	0,281	75,557	19,527	21,846	-15,403	13,645	19,836	20,188	20,543	19,921	77,648	58,538	73,682
23,000	0,218	0,466	0,517	0,197	0,288	75,511	19,569	23,550	-15,893	23,698	19,833	20,184	20,543	19,921	77,588	58,525	73,663
23,167	0,221	0,455	0,517	0,198	0,285	75,585	19,567	19,961	-15,813	12,013	19,837	20,179	20,546	19,925	77,639	58,509	73,641
23,334	0,225	0,434	0,517	0,194	0,286	75,557	19,596	21,487	-16,430	16,086	19,836	20,185	20,553	19,937	77,605	58,491	73,626
23,500	0,227	0,418	0,517	0,197	0,285	75,595	19,585	23,559	-13,796	14,651	19,834	20,175	20,538	19,917	77,603	58,483	73,610
23,667	0,223	0,423	0,517	0,198	0,284	75,605	19,643	27,938	-15,447	18,615	19,854	20,189	20,565	19,934	77,545	58,482	73,602
23,834	0,221	0,453	0,517	0,192	0,285	75,710	19,590	26,642	-14,758	20,237	19,846	20,189	20,550	19,930	77,554	58,478	73,595
24,000	0,216	0,476	0,517	0,194	0,284	75,707	19,590	29,055	-14,538	19,567	19,846	20,195	20,546	19,934	77,567	58,470	73,579

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
18,000	55,008	0,365	0,359	8296,064	8617,060	173,358	5,814	509,545	7,885	11,346	4,349	2017-09-15 10:23
18,167	55,028	0,365	0,358	8250,528	8545,958	190,101	5,521	509,545	7,945	11,404	4,360	2017-09-15 10:23
18,334	55,052	0,365	0,358	8221,452	8493,116	211,354	5,295	509,545	8,000	11,286	4,337	2017-09-15 10:24
18,500	55,072	0,366	0,359	8201,746	8476,047	197,331	5,135	509,545	7,947	11,608	4,398	2017-09-15 10:24
18,667	55,087	0,366	0,359	8169,240	8416,394	203,770	4,744	509,545	7,956	11,404	4,360	2017-09-15 10:24
18,833	55,106	0,366	0,359	8137,674	8386,143	243,121	4,320	509,545	7,904	11,488	4,376	2017-09-15 10:24
19,029	55,126	0,366	0,359	8096,810	8299,901	232,493	4,122	509,545	7,824	11,360	4,351	2017-09-15 10:24
19,167	55,138	0,364	0,358	8029,047	8294,555	187,492	4,412	509,544	7,732	11,350	4,349	2017-09-15 10:24
19,333	55,151	0,365	0,358	7999,493	8201,138	150,729	4,907	509,544	7,923	11,371	4,353	2017-09-15 10:25
19,500	55,165	0,365	0,358	7964,354	8178,483	167,062	5,292	509,544	7,859	11,439	4,366	2017-09-15 10:25
19,667	55,177	0,366	0,359	7934,111	8153,649	233,097	5,413	509,544	7,987	11,712	4,418	2017-09-15 10:25
19,833	55,177	0,365	0,358	7886,874	8160,157	253,663	5,485	509,544	7,651	11,491	4,376	2017-09-15 10:25
20,000	55,180	0,366	0,358	7854,391	8139,571	223,122	5,755	509,544	8,118	11,429	4,364	2017-09-15 10:25
20,167	55,169	0,366	0,359	7836,808	8091,283	183,409	6,028	509,545	7,730	11,605	4,398	2017-09-15 10:25
20,333	55,161	0,366	0,359	7818,174	8081,679	248,962	5,982	509,544	7,972	11,504	4,379	2017-09-15 10:26
20,500	55,157	0,366	0,359	7787,670	8107,932	198,502	6,023	509,545	7,865	11,467	4,372	2017-09-15 10:26
20,667	55,163	0,365	0,358	7753,012	8062,600	165,286	5,842	509,544	7,708	11,261	4,332	2017-09-15 10:26
20,833	55,172	0,366	0,359	7736,251	8055,252	156,149	5,919	509,545	7,854	11,525	4,383	2017-09-15 10:26
21,000	55,180	0,365	0,358	7714,298	8056,414	173,118	6,096	509,450	7,897	11,382	4,355	2017-09-15 10:26
21,167	55,189	0,366	0,358	7688,664	8036,747	282,132	6,102	509,544	7,698	11,317	4,343	2017-09-15 10:26
21,333	55,196	0,366	0,358	7674,719	8056,678	290,749	6,183	509,544	7,888	11,353	4,350	2017-09-15 10:27
21,500	55,205	0,366	0,358	7658,601	8056,697	270,854	6,261	509,544	7,921	11,380	4,355	2017-09-15 10:27
21,667	55,210	0,366	0,358	7646,879	8041,317	265,695	5,926	509,529	8,052	11,386	4,356	2017-09-15 10:27
21,833	55,200	0,365	0,358	7640,271	8023,817	230,797	5,720	509,544	8,004	11,156	4,312	2017-09-15 10:27
22,000	55,181	0,365	0,358	7630,616	7994,689	215,496	5,622	509,544	8,059	11,168	4,314	2017-09-15 10:27
22,167	55,159	0,365	0,357	7623,397	8002,150	179,448	5,748	509,451	8,115	11,438	4,366	2017-09-15 10:27
22,333	55,138	0,365	0,358	7645,226	7979,508	208,391	5,765	509,451	7,819	11,433	4,365	2017-09-15 10:28
22,500	55,129	0,366	0,358	7635,340	8000,192	156,176	6,232	509,450	8,023	11,326	4,345	2017-09-15 10:28
22,667	55,127	0,365	0,358	7617,278	7991,277	137,484	6,575	509,544	7,796	11,321	4,344	2017-09-15 10:28
22,833	55,127	0,365	0,358	7606,477	7987,267	125,629	6,662	509,451	7,935	11,238	4,328	2017-09-15 10:28
23,000	55,123	0,365	0,358	7604,989	7962,696	117,342	6,641	509,451	7,900	11,502	4,378	2017-09-15 10:28
23,167	55,115	0,365	0,358	7602,764	7997,798	142,074	6,368	509,451	7,924	11,410	4,361	2017-09-15 10:28
23,334	55,107	0,366	0,358	7600,669	8003,064	164,307	5,846	509,451	7,778	11,442	4,367	2017-09-15 10:29
23,500	55,099	0,365	0,358	7604,800	7992,649	175,039	5,443	509,451	7,891	11,402	4,359	2017-09-15 10:29
23,667	55,093	0,366	0,358	7595,448	7976,207	148,609	5,571	509,451	7,910	11,357	4,351	2017-09-15 10:29
23,834	55,076	0,366	0,358	7605,442	7984,010	138,307	6,336	509,451	7,672	11,404	4,360	2017-09-15 10:29
24,000	55,058	0,366	0,358	7603,097	7992,260	105,199	6,906	509,451	7,778	11,353	4,350	2017-09-15 10:29

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
24,167	0,215	0,483	0,517	0,199	0,284	75,724	19,582	28,698	-14,523	19,044	19,850	20,192	20,555	19,933	77,550	58,465	73,557
24,334	0,215	0,478	0,517	0,201	0,290	75,769	19,639	28,699	-17,315	27,402	19,848	20,207	20,565	19,939	77,509	58,452	73,536
24,500	0,218	0,469	0,517	0,202	0,292	75,709	19,639	22,729	-17,313	17,752	19,844	20,211	20,561	19,938	77,574	58,451	73,522
24,667	0,217	0,449	0,517	0,192	0,280	75,723	19,638	20,668	-15,766	15,091	19,862	20,208	20,570	19,949	77,613	58,440	73,521
24,834	0,219	0,434	0,517	0,197	0,285	75,756	19,577	22,072	-16,674	22,554	19,861	20,203	20,565	19,941	77,584	58,423	73,517
25,000	0,232	0,431	0,517	0,193	0,286	75,836	19,564	24,044	-14,185	12,592	19,846	20,204	20,559	19,930	77,551	58,404	73,502
25,167	0,228	0,436	0,517	0,199	0,286	75,854	19,514	25,195	-15,938	25,348	19,844	20,194	20,554	19,935	77,536	58,391	73,503
25,334	0,221	0,446	0,517	0,192	0,284	75,963	19,569	20,935	-17,630	17,506	19,855	20,211	20,555	19,933	77,509	58,376	73,505
25,500	0,216	0,469	0,517	0,199	0,284	75,986	19,588	20,390	-15,179	12,803	19,833	20,193	20,565	19,935	77,569	58,364	73,503
25,667	0,212	0,499	0,517	0,195	0,282	75,968	19,618	23,320	-15,388	22,906	19,845	20,210	20,556	19,942	77,558	58,362	73,498
25,833	0,217	0,498	0,517	0,196	0,283	76,035	19,597	19,960	-16,863	15,841	19,854	20,215	20,547	19,945	77,673	58,356	73,484
26,000	0,213	0,492	0,517	0,194	0,285	76,131	19,635	20,428	-15,517	15,399	19,871	20,238	20,590	19,973	77,717	58,360	73,487
26,167	0,214	0,492	0,517	0,200	0,286	76,120	19,584	21,267	-15,577	16,693	19,862	20,216	20,555	19,951	77,706	58,344	73,483
26,333	0,217	0,498	0,517	0,192	0,283	76,142	19,586	21,093	-17,630	17,182	19,859	20,202	20,567	19,938	77,752	58,336	73,486
26,500	0,217	0,489	0,517	0,197	0,283	76,198	19,581	23,871	-14,548	15,065	19,833	20,199	20,554	19,938	77,763	58,324	73,509
26,667	0,216	0,498	0,517	0,202	0,288	76,214	19,605	28,644	-15,126	22,566	19,853	20,193	20,558	19,941	77,832	58,309	73,526
26,833	0,213	0,499	0,517	0,199	0,287	76,215	19,588	22,492	-17,006	24,109	19,847	20,199	20,578	19,945	77,833	58,301	73,549
27,000	0,215	0,501	0,517	0,200	0,286	76,274	19,570	22,715	-14,567	12,059	19,837	20,220	20,554	19,943	77,837	58,289	73,573
27,167	0,212	0,513	0,516	0,195	0,285	76,362	19,585	25,762	-16,502	22,197	19,863	20,207	20,562	19,942	77,965	58,279	73,605
27,333	0,208	0,541	0,517	0,192	0,284	76,315	19,617	18,658	-17,024	16,512	19,847	20,207	20,569	19,945	77,983	58,275	73,625
27,500	0,206	0,557	0,517	0,194	0,282	76,339	19,610	19,816	-14,637	14,060	19,856	20,224	20,562	19,945	78,048	58,268	73,645
27,667	0,207	0,554	0,517	0,199	0,283	76,370	19,590	25,045	-16,352	23,811	19,857	20,202	20,556	19,943	78,077	58,263	73,672
27,833	0,206	0,551	0,516	0,194	0,281	76,403	19,605	19,952	-15,054	18,322	19,857	20,214	20,574	19,949	78,170	58,259	73,711
28,000	0,205	0,559	0,516	0,199	0,286	76,462	19,563	19,140	-16,136	22,347	19,860	20,219	20,582	19,950	78,209	58,254	73,740
28,167	0,207	0,547	0,516	0,201	0,291	76,428	19,604	21,929	-16,086	21,317	19,878	20,210	20,572	19,953	78,320	58,254	73,787
28,333	0,208	0,529	0,515	0,198	0,285	76,505	19,599	18,931	-15,640	16,252	19,880	20,224	20,570	19,963	78,374	58,248	73,825
28,500	0,215	0,514	0,516	0,197	0,285	76,482	19,635	23,430	-16,653	23,365	19,862	20,224	20,569	19,954	78,482	58,252	73,875
28,667	0,215	0,523	0,515	0,196	0,282	76,478	19,625	25,089	-14,552	21,270	19,866	20,222	20,577	19,957	78,487	58,246	73,923
28,833	0,215	0,528	0,516	0,196	0,286	76,399	19,617	21,360	-13,282	17,231	19,863	20,239	20,568	19,959	78,620	58,246	73,976
29,000	0,209	0,520	0,516	0,201	0,290	76,376	19,586	25,139	-13,701	17,786	19,869	20,230	20,591	19,959	78,657	58,239	74,029
29,167	0,207	0,522	0,516	0,198	0,286	76,364	19,586	31,195	-14,970	22,126	19,873	20,226	20,580	19,959	78,665	58,233	74,076
29,333	0,205	0,529	0,516	0,197	0,287	76,369	19,649	27,883	-16,005	25,001	19,880	20,247	20,584	19,974	78,648	58,236	74,130
29,500	0,206	0,530	0,515	0,198	0,284	76,348	19,648	22,875	-16,144	17,759	19,862	20,229	20,568	19,955	78,625	58,235	74,178
29,667	0,210	0,510	0,515	0,200	0,290	76,299	19,650	22,070	-17,905	23,616	19,878	20,231	20,587	19,967	78,692	58,246	74,222
29,833	0,213	0,491	0,515	0,193	0,289	76,256	19,663	20,871	-16,315	15,201	19,889	20,248	20,597	19,983	78,648	58,252	74,253
30,000	0,212	0,492	0,515	0,194	0,288	76,214	19,637	20,909	-16,626	15,595	19,872	20,236	20,582	19,967	78,721	58,252	74,272
30,167	0,212	0,497	0,515	0,198	0,290	76,281	19,569	22,083	-16,416	21,457	19,893	20,266	20,617	19,999	78,687	58,258	74,289

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
24,167	55,038	0,365	0,358	7597,164	7983,147	98,956	7,082	509,357	7,970	11,358	4,351	2017-09-15 10:29
24,334	55,022	0,365	0,358	7598,380	7965,374	99,119	6,961	509,450	8,058	11,613	4,400	2017-09-15 10:30
24,500	55,010	0,365	0,358	7598,392	7992,245	123,016	6,734	509,450	8,098	11,670	4,410	2017-09-15 10:30
24,667	55,001	0,365	0,358	7598,492	8011,794	116,741	6,237	509,451	7,683	11,219	4,324	2017-09-15 10:30
24,834	54,995	0,365	0,358	7603,038	8008,888	127,609	5,840	509,451	7,885	11,381	4,355	2017-09-15 10:30
25,000	54,987	0,365	0,358	7586,085	7998,428	207,779	5,785	509,450	7,718	11,446	4,368	2017-09-15 10:30
25,167	54,976	0,365	0,358	7601,225	8008,142	182,044	5,905	509,450	7,947	11,454	4,369	2017-09-15 10:30
25,334	54,964	0,365	0,358	7604,645	7992,818	140,430	6,154	509,357	7,688	11,349	4,349	2017-09-15 10:31
25,500	54,957	0,365	0,358	7608,208	8028,162	107,107	6,714	509,357	7,955	11,350	4,349	2017-09-15 10:31
25,667	54,943	0,365	0,358	7612,842	8029,080	82,546	7,485	509,357	7,801	11,297	4,339	2017-09-15 10:31
25,833	54,929	0,365	0,358	7617,443	8072,317	114,017	7,440	509,357	7,821	11,336	4,347	2017-09-15 10:31
26,000	54,913	0,365	0,358	7626,556	8087,879	88,643	7,308	509,357	7,765	11,391	4,357	2017-09-15 10:31
26,167	54,894	0,365	0,358	7629,383	8097,797	93,879	7,299	509,357	8,008	11,439	4,366	2017-09-15 10:31
26,333	54,878	0,366	0,358	7629,640	8123,702	114,417	7,445	509,357	7,682	11,309	4,342	2017-09-15 10:32
26,500	54,866	0,365	0,358	7651,555	8127,284	112,971	7,219	509,357	7,876	11,320	4,344	2017-09-15 10:32
26,667	54,858	0,365	0,358	7661,335	8158,759	110,984	7,448	509,357	8,069	11,530	4,384	2017-09-15 10:32
26,833	54,848	0,365	0,358	7672,495	8164,099	92,201	7,472	509,357	7,942	11,488	4,376	2017-09-15 10:32
27,000	54,841	0,365	0,358	7681,954	8164,813	103,111	7,527	509,357	7,982	11,443	4,367	2017-09-15 10:32
27,167	54,831	0,365	0,358	7697,814	8221,553	80,909	7,830	509,264	7,808	11,388	4,357	2017-09-15 10:32
27,333	54,818	0,365	0,358	7719,247	8236,977	59,809	8,529	509,357	7,698	11,363	4,352	2017-09-15 10:33
27,500	54,811	0,365	0,358	7732,297	8270,274	44,594	8,920	509,357	7,772	11,261	4,332	2017-09-15 10:33
27,667	54,794	0,365	0,358	7743,777	8283,565	49,007	8,844	509,357	7,959	11,310	4,342	2017-09-15 10:33
27,833	54,782	0,365	0,358	7758,767	8312,427	45,237	8,774	509,264	7,771	11,256	4,331	2017-09-15 10:33
28,000	54,766	0,365	0,358	7774,899	8337,255	38,948	8,965	509,304	7,959	11,458	4,370	2017-09-15 10:33
28,167	54,752	0,365	0,358	7806,717	8393,460	54,667	8,668	509,264	8,021	11,639	4,404	2017-09-15 10:33
28,333	54,739	0,365	0,358	7835,470	8416,335	57,189	8,222	509,119	7,923	11,411	4,361	2017-09-15 10:34
28,500	54,732	0,365	0,358	7853,851	8456,134	99,737	7,852	509,264	7,900	11,417	4,362	2017-09-15 10:34
28,667	54,728	0,366	0,358	7880,442	8470,640	99,112	8,081	509,122	7,859	11,284	4,337	2017-09-15 10:34
28,833	54,731	0,366	0,359	7908,565	8530,955	100,370	8,189	509,264	7,845	11,433	4,365	2017-09-15 10:34
29,000	54,730	0,365	0,358	7923,801	8539,545	67,268	7,991	509,264	8,058	11,613	4,399	2017-09-15 10:34
29,167	54,719	0,366	0,358	7949,873	8550,397	52,005	8,053	509,264	7,907	11,454	4,369	2017-09-15 10:34
29,333	54,715	0,365	0,358	7974,366	8530,963	41,533	8,230	509,264	7,880	11,469	4,372	2017-09-15 10:35
29,500	54,707	0,365	0,358	7990,035	8521,351	46,290	8,239	509,119	7,916	11,340	4,347	2017-09-15 10:35
29,667	54,700	0,365	0,358	8002,708	8541,310	68,509	7,741	509,119	7,987	11,584	4,394	2017-09-15 10:35
29,833	54,687	0,365	0,358	8030,905	8521,285	86,513	7,280	509,119	7,716	11,545	4,386	2017-09-15 10:35
30,000	54,671	0,365	0,358	8040,350	8560,570	82,754	7,305	509,119	7,773	11,514	4,381	2017-09-15 10:35
30,167	54,667	0,365	0,358	8047,118	8545,492	81,305	7,430	509,119	7,932	11,601	4,397	2017-09-15 10:35

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
30,334	0,215	0,494	0,515	0,204	0,280	76,322	19,613	17,491	-16,940	20,147	19,869	20,251	20,585	19,969	78,717	58,255	74,308
30,500	0,211	0,486	0,516	0,194	0,280	76,313	19,561	20,187	-14,538	10,394	19,876	20,251	20,591	19,970	78,746	58,252	74,330
30,667	0,210	0,487	0,515	0,194	0,282	76,368	19,586	25,815	-14,629	18,162	19,896	20,269	20,601	19,994	78,742	58,247	74,341
30,834	0,211	0,501	0,515	0,197	0,286	76,339	19,632	25,369	-16,407	21,212	19,896	20,263	20,589	19,985	78,753	58,250	74,350
31,000	0,210	0,519	0,515	0,195	0,286	76,298	19,630	19,959	-14,331	14,683	19,877	20,245	20,581	19,967	78,775	58,233	74,346
31,167	0,208	0,532	0,515	0,199	0,292	76,269	19,633	24,927	-17,361	25,335	19,865	20,245	20,590	19,969	78,773	58,235	74,358
31,334	0,213	0,520	0,515	0,200	0,285	76,201	19,621	19,052	-16,891	19,516	19,855	20,235	20,582	19,963	78,870	58,227	74,366
31,500	0,216	0,480	0,515	0,199	0,292	76,206	19,618	20,175	-15,482	14,446	19,882	20,245	20,570	19,962	78,838	58,225	74,381
31,667	0,216	0,465	0,515	0,193	0,288	76,197	19,635	22,997	-15,666	16,488	19,888	20,239	20,586	19,973	78,834	58,229	74,401
31,834	0,212	0,477	0,515	0,189	0,284	76,147	19,620	22,822	-15,247	23,488	19,877	20,251	20,577	19,971	78,854	58,225	74,418
32,000	0,210	0,496	0,515	0,197	0,283	76,069	19,617	18,927	-16,457	15,937	19,890	20,268	20,592	19,977	78,858	58,228	74,445
32,167	0,214	0,489	0,515	0,195	0,295	75,979	19,646	21,360	-15,630	14,739	19,878	20,249	20,590	19,974	78,833	58,231	74,455
32,334	0,214	0,468	0,515	0,199	0,284	75,914	19,620	26,529	-13,746	17,942	19,878	20,239	20,590	19,971	78,806	58,232	74,462
32,500	0,217	0,461	0,515	0,195	0,283	75,816	19,680	25,116	-16,179	20,945	19,882	20,244	20,573	19,973	78,849	58,239	74,468
32,667	0,216	0,456	0,515	0,196	0,284	75,812	19,681	24,524	-16,317	19,748	19,890	20,252	20,597	19,983	78,794	58,250	74,477
32,833	0,221	0,445	0,515	0,198	0,288	75,690	19,774	26,566	-14,696	19,634	19,894	20,265	20,590	19,979	78,718	58,240	74,461
33,000	0,222	0,428	0,515	0,197	0,288	75,620	19,765	25,124	-16,586	20,396	19,896	20,257	20,603	19,983	78,663	58,250	74,455
33,167	0,226	0,418	0,515	0,195	0,288	75,588	19,728	23,953	-17,371	24,551	19,881	20,257	20,607	19,981	78,613	58,250	74,451
33,333	0,224	0,418	0,515	0,196	0,285	75,502	19,689	24,028	-15,616	21,555	19,892	20,243	20,590	19,977	78,582	58,247	74,435
33,500	0,222	0,428	0,515	0,203	0,283	75,420	19,670	19,591	-16,873	23,173	19,881	20,257	20,606	19,985	78,514	58,244	74,415
33,667	0,227	0,428	0,515	0,198	0,288	75,330	19,693	19,780	-20,163	17,977	19,906	20,260	20,621	19,994	78,412	58,242	74,387
33,833	0,226	0,426	0,515	0,200	0,285	75,258	19,706	21,367	-12,316	18,174	19,889	20,263	20,590	19,983	78,356	58,244	74,353
34,000	0,227	0,423	0,515	0,200	0,283	75,192	19,634	20,807	-11,507	14,483	19,871	20,242	20,615	19,982	78,253	58,233	74,320
34,167	0,225	0,403	0,515	0,196	0,285	75,144	19,647	26,318	-13,463	18,119	19,889	20,277	20,596	19,989	78,218	58,239	74,274
34,333	0,227	0,394	0,515	0,197	0,282	75,061	19,600	24,894	-16,713	23,690	19,896	20,269	20,605	19,989	78,095	58,236	74,231
34,500	0,226	0,394	0,515	0,199	0,284	75,062	19,594	19,253	-16,478	14,520	19,898	20,269	20,612	19,995	78,053	58,242	74,172
34,667	0,227	0,392	0,515	0,195	0,290	74,944	19,611	20,503	-15,368	17,140	19,886	20,260	20,600	19,981	77,933	58,233	74,120
34,833	0,229	0,394	0,515	0,196	0,284	74,820	19,586	23,325	-17,588	24,193	19,880	20,242	20,598	19,981	77,860	58,240	74,061
35,000	0,226	0,391	0,515	0,198	0,285	74,782	19,576	20,998	-14,694	12,576	19,897	20,262	20,604	19,990	77,798	58,254	74,008
35,167	0,226	0,398	0,515	0,194	0,282	74,737	19,600	23,739	-16,292	21,868	19,888	20,252	20,604	19,987	77,689	58,251	73,945
35,333	0,224	0,410	0,515	0,195	0,283	74,654	19,608	21,324	-17,117	20,775	19,879	20,267	20,609	19,990	77,759	58,247	73,884
35,500	0,228	0,423	0,515	0,193	0,278	74,587	19,621	17,644	-17,522	15,442	19,898	20,271	20,602	19,994	77,616	58,250	73,819
35,667	0,227	0,418	0,515	0,193	0,281	74,500	19,618	15,212	-18,197	17,414	19,901	20,271	20,610	19,998	77,462	58,254	73,761
35,833	0,235	0,410	0,515	0,196	0,281	74,423	19,597	18,940	-17,892	14,906	19,888	20,256	20,605	19,990	77,425	58,254	73,695
36,000	0,235	0,414	0,515	0,193	0,284	74,367	19,608	16,563	-16,979	17,242	19,878	20,252	20,608	19,997	77,337	58,262	73,627
36,167	0,224	0,429	0,515	0,194	0,284	74,248	19,640	16,591	-16,790	17,304	19,908	20,279	20,618	20,011	77,268	58,259	73,568
36,333	0,221	0,451	0,515	0,195	0,287	74,238	19,642	21,923	-12,847	10,712	19,890	20,251	20,608	19,989	77,247	58,244	73,513

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
30,334	54,651	0,365	0,358	8063,755	8545,478	102,680	7,344	509,119	8,164	11,207	4,322	2017-09-15 10:36
30,500	54,648	0,364	0,358	8072,935	8550,937	75,326	7,143	509,264	7,741	11,209	4,322	2017-09-15 10:36
30,667	54,643	0,365	0,358	8087,517	8575,507	68,933	7,184	509,119	7,772	11,278	4,336	2017-09-15 10:36
30,834	54,643	0,365	0,358	8096,310	8573,690	73,766	7,516	509,119	7,890	11,458	4,370	2017-09-15 10:36
31,000	54,636	0,365	0,359	8101,696	8591,000	69,475	7,969	509,119	7,800	11,438	4,366	2017-09-15 10:36
31,167	54,639	0,365	0,358	8087,839	8583,474	55,084	8,292	509,119	7,963	11,685	4,413	2017-09-15 10:36
31,334	54,648	0,365	0,358	8093,624	8629,591	89,460	7,989	509,119	7,988	11,385	4,356	2017-09-15 10:37
31,500	54,661	0,366	0,358	8097,847	8627,642	110,234	7,000	509,119	7,963	11,668	4,410	2017-09-15 10:37
31,667	54,672	0,365	0,359	8110,926	8613,197	110,664	6,626	509,119	7,718	11,539	4,385	2017-09-15 10:37
31,834	54,672	0,365	0,358	8109,032	8617,553	85,933	6,915	509,025	7,563	11,368	4,353	2017-09-15 10:37
32,000	54,672	0,365	0,358	8118,099	8610,254	72,022	7,393	509,025	7,890	11,319	4,343	2017-09-15 10:37
32,167	54,669	0,365	0,358	8125,686	8598,986	93,448	7,232	509,025	7,811	11,781	4,431	2017-09-15 10:37
32,334	54,669	0,365	0,358	8132,762	8598,746	98,070	6,699	509,025	7,967	11,378	4,355	2017-09-15 10:38
32,500	54,668	0,365	0,358	8134,932	8614,858	115,939	6,534	509,025	7,781	11,327	4,345	2017-09-15 10:38
32,667	54,668	0,365	0,359	8146,610	8594,991	106,061	6,404	509,025	7,843	11,361	4,351	2017-09-15 10:38
32,833	54,665	0,365	0,359	8140,427	8563,830	140,215	6,126	509,025	7,904	11,508	4,380	2017-09-15 10:38
33,000	54,668	0,365	0,359	8134,840	8540,152	148,380	5,709	509,025	7,876	11,527	4,383	2017-09-15 10:38
33,167	54,675	0,365	0,359	8130,403	8516,363	168,698	5,454	509,025	7,782	11,526	4,383	2017-09-15 10:38
33,333	54,682	0,365	0,359	8121,757	8502,489	155,120	5,440	509,025	7,859	11,389	4,357	2017-09-15 10:39
33,500	54,691	0,365	0,358	8104,434	8477,382	145,670	5,689	509,025	8,118	11,322	4,344	2017-09-15 10:39
33,667	54,707	0,365	0,359	8087,535	8431,292	176,655	5,707	509,025	7,919	11,512	4,380	2017-09-15 10:39
33,833	54,716	0,365	0,358	8060,599	8406,434	168,792	5,662	509,025	8,014	11,388	4,357	2017-09-15 10:39
34,000	54,739	0,365	0,358	8032,785	8356,763	175,005	5,566	509,025	8,001	11,327	4,345	2017-09-15 10:39
34,167	54,762	0,365	0,358	8016,608	8351,936	166,225	5,067	509,025	7,825	11,384	4,356	2017-09-15 10:39
34,333	54,786	0,365	0,359	7992,260	8305,049	176,478	4,846	509,025	7,877	11,265	4,333	2017-09-15 10:40
34,500	54,802	0,366	0,359	7962,535	8290,856	170,008	4,841	509,026	7,972	11,374	4,354	2017-09-15 10:40
34,667	54,814	0,365	0,358	7933,024	8230,880	173,976	4,799	509,025	7,812	11,618	4,400	2017-09-15 10:40
34,833	54,821	0,365	0,358	7900,820	8206,429	186,151	4,850	509,025	7,849	11,361	4,352	2017-09-15 10:40
35,000	54,834	0,365	0,358	7868,854	8168,698	172,392	4,781	509,119	7,906	11,407	4,360	2017-09-15 10:40
35,167	54,845	0,365	0,358	7843,079	8123,280	172,093	4,947	509,025	7,766	11,283	4,336	2017-09-15 10:40
35,333	54,857	0,365	0,359	7819,977	8157,088	159,495	5,248	509,025	7,815	11,324	4,344	2017-09-15 10:41
35,500	54,866	0,365	0,358	7783,332	8096,905	179,768	5,574	509,025	7,736	11,135	4,308	2017-09-15 10:41
35,667	54,877	0,365	0,359	7761,068	8030,026	175,213	5,446	509,025	7,725	11,253	4,331	2017-09-15 10:41
35,833	54,896	0,365	0,359	7727,435	8016,930	225,349	5,261	509,025	7,855	11,251	4,330	2017-09-15 10:41
36,000	54,912	0,365	0,358	7689,689	7976,266	228,650	5,354	509,025	7,721	11,346	4,349	2017-09-15 10:41
36,167	54,936	0,366	0,359	7658,539	7953,159	156,722	5,719	509,119	7,775	11,354	4,350	2017-09-15 10:41
36,333	54,952	0,365	0,359	7628,509	7939,098	139,391	6,277	509,025	7,783	11,475	4,373	2017-09-15 10:42

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
36,500	0,221	0,455	0,515	0,192	0,284	74,211	19,661	25,367	-14,918	18,386	19,909	20,274	20,617	20,006	77,100	58,240	73,455
36,667	0,221	0,443	0,515	0,196	0,285	74,142	19,690	23,559	-16,005	20,076	19,904	20,288	20,614	20,013	77,091	58,243	73,388
36,834	0,231	0,434	0,515	0,189	0,285	74,085	19,678	22,759	-16,826	24,281	19,904	20,289	20,624	20,011	77,020	58,252	73,343
37,000	0,227	0,433	0,515	0,187	0,284	73,989	19,677	20,941	-16,144	17,524	19,912	20,281	20,614	20,005	77,012	58,248	73,289
37,167	0,223	0,441	0,515	0,190	0,285	74,042	19,685	18,189	-17,466	18,220	19,916	20,275	20,626	20,015	76,923	58,246	73,233
37,334	0,221	0,444	0,515	0,192	0,282	73,989	19,685	21,192	-14,611	12,419	19,920	20,296	20,621	20,020	76,846	58,252	73,190
37,500	0,224	0,444	0,515	0,192	0,283	73,902	19,678	20,798	-15,945	20,435	19,918	20,287	20,618	20,005	76,827	58,251	73,143
37,667	0,227	0,439	0,514	0,191	0,282	73,834	19,662	16,905	-17,237	18,121	19,920	20,274	20,620	20,005	76,819	58,251	73,095
37,834	0,227	0,431	0,515	0,192	0,285	73,738	19,665	16,424	-17,500	17,507	19,912	20,289	20,626	20,007	76,699	58,256	73,047
38,000	0,229	0,426	0,515	0,194	0,288	73,689	19,657	18,826	-14,076	12,253	19,922	20,287	20,635	20,016	76,579	58,256	73,001
38,167	0,230	0,419	0,515	0,194	0,288	73,602	19,684	23,748	-15,760	19,965	19,919	20,295	20,641	20,032	76,548	58,263	72,962
38,334	0,230	0,426	0,515	0,184	0,289	73,545	19,668	21,071	-16,365	16,237	19,920	20,292	20,634	20,018	76,508	58,258	72,916
38,500	0,223	0,440	0,515	0,192	0,286	73,432	19,655	23,253	-15,807	19,189	19,913	20,280	20,633	20,013	76,390	58,254	72,867
38,667	0,222	0,458	0,515	0,191	0,285	73,384	19,682	18,904	-16,208	17,486	19,926	20,282	20,625	20,015	76,365	58,260	72,817
38,834	0,221	0,453	0,515	0,190	0,285	73,321	19,682	19,021	-19,053	17,846	19,920	20,290	20,636	20,022	76,393	58,264	72,761
39,000	0,223	0,422	0,515	0,187	0,288	73,271	19,751	22,014	-20,699	17,472	19,887	20,275	20,613	20,005	76,163	58,266	72,709
39,167	0,228	0,404	0,515	0,195	0,286	73,256	19,752	19,571	-16,297	16,643	19,909	20,275	20,616	20,007	76,144	58,260	72,665
39,333	0,235	0,397	0,515	0,190	0,288	73,190	19,644	20,733	-16,572	21,166	19,901	20,270	20,606	19,999	76,196	58,251	72,627
39,500	0,237	0,395	0,515	0,191	0,285	73,146	19,696	20,876	-16,901	19,000	19,914	20,291	20,625	20,010	76,030	58,266	72,578
39,667	0,229	0,402	0,515	0,188	0,282	73,184	19,679	21,533	-15,898	20,847	19,916	20,279	20,614	20,011	75,991	58,268	72,523
39,833	0,225	0,411	0,515	0,191	0,285	73,134	19,639	24,197	-0,690	12,172	19,908	20,281	20,621	20,011	75,859	58,259	72,466
40,000	0,223	0,418	0,515	0,187	0,287	73,059	19,661	22,292	-17,564	24,269	19,899	20,296	20,624	20,013	75,827	58,259	72,415
40,167	0,229	0,413	0,515	0,190	0,285	73,042	19,711	24,219	-13,733	14,799	19,895	20,291	20,616	20,009	75,862	58,271	72,356
40,333	0,234	0,408	0,515	0,189	0,282	73,048	19,721	22,329	-15,449	25,588	19,896	20,284	20,620	20,010	75,735	58,254	72,294
40,500	0,232	0,404	0,515	0,190	0,288	73,044	19,703	21,743	-14,505	10,877	19,916	20,301	20,628	20,014	75,580	58,259	72,230
40,667	0,231	0,414	0,515	0,188	0,286	73,014	19,716	27,998	-12,684	20,050	19,920	20,295	20,636	20,019	75,509	58,243	72,183
40,833	0,225	0,439	0,515	0,184	0,284	73,032	19,690	26,837	-15,542	26,212	19,915	20,295	20,626	20,022	75,498	58,228	72,130
41,000	0,217	0,458	0,515	0,187	0,283	73,006	19,695	19,448	-16,580	23,399	19,925	20,300	20,634	20,016	75,455	58,217	72,076
41,167	0,217	0,464	0,515	0,188	0,283	72,945	19,721	20,016	-12,652	11,154	19,936	20,287	20,637	20,018	75,476	58,208	72,009
41,333	0,218	0,456	0,514	0,192	0,277	72,943	19,703	25,179	-15,388	25,972	19,925	20,301	20,637	20,019	75,529	58,196	71,937
41,500	0,221	0,452	0,514	0,183	0,283	72,943	19,648	18,852	-16,480	20,987	19,929	20,290	20,615	20,020	75,475	58,185	71,858
41,667	0,218	0,452	0,515	0,190	0,283	72,937	19,740	20,440	-10,685	11,533	19,929	20,312	20,624	20,028	75,495	58,180	71,804
41,833	0,221	0,448	0,515	0,189	0,285	72,970	19,699	24,043	-14,431	20,963	19,923	20,292	20,628	20,022	75,547	58,174	71,791
42,000	0,223	0,446	0,514	0,185	0,283	72,983	19,664	19,240	-15,660	25,726	19,930	20,300	20,630	20,027	75,534	58,164	71,791
42,167	0,219	0,448	0,514	0,185	0,283	72,985	19,551	20,805	-13,435	10,271	19,919	20,291	20,626	20,020	75,495	58,142	71,791
42,333	0,222	0,449	0,514	0,196	0,283	72,998	19,604	25,239	-15,585	23,106	19,923	20,295	20,634	20,022	75,572	58,131	71,782
42,500	0,222	0,435	0,514	0,188	0,285	73,065	19,642	17,694	-15,946	20,607	19,928	20,287	20,638	20,022	75,431	58,121	71,777

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
36,500	54,965	0,365	0,358	7584,917	7873,181	140,837	6,373	509,026	7,681	11,367	4,353	2017-09-15 10:42
36,667	54,980	0,365	0,358	7562,303	7873,983	141,229	6,081	509,026	7,832	11,395	4,358	2017-09-15 10:42
36,834	54,995	0,365	0,359	7541,932	7844,213	200,375	5,854	509,025	7,551	11,394	4,358	2017-09-15 10:42
37,000	55,001	0,365	0,359	7515,736	7845,836	178,201	5,829	509,025	7,469	11,341	4,348	2017-09-15 10:42
37,167	55,016	0,365	0,359	7487,410	7804,972	150,131	6,021	509,025	7,586	11,409	4,361	2017-09-15 10:42
37,334	55,028	0,365	0,358	7455,439	7771,290	137,060	6,108	509,025	7,672	11,263	4,333	2017-09-15 10:43
37,500	55,039	0,365	0,358	7425,770	7763,420	160,325	6,107	509,026	7,671	11,313	4,342	2017-09-15 10:43
37,667	55,050	0,364	0,358	7401,188	7746,166	175,216	5,976	508,944	7,629	11,289	4,338	2017-09-15 10:43
37,834	55,064	0,365	0,358	7367,330	7695,060	175,428	5,776	509,025	7,690	11,407	4,360	2017-09-15 10:43
38,000	55,080	0,365	0,358	7345,186	7652,154	191,352	5,652	509,026	7,779	11,503	4,378	2017-09-15 10:43
38,167	55,101	0,365	0,358	7331,712	7642,038	194,729	5,474	509,025	7,771	11,523	4,382	2017-09-15 10:43
38,334	55,114	0,365	0,359	7314,483	7634,582	195,368	5,650	509,025	7,344	11,559	4,389	2017-09-15 10:44
38,500	55,125	0,365	0,359	7290,619	7581,274	152,914	6,001	509,025	7,680	11,458	4,370	2017-09-15 10:44
38,667	55,137	0,365	0,358	7254,823	7562,616	142,484	6,454	509,025	7,656	11,393	4,358	2017-09-15 10:44
38,834	55,147	0,365	0,358	7227,825	7568,401	138,554	6,320	509,025	7,601	11,407	4,360	2017-09-15 10:44
39,000	55,154	0,365	0,358	7199,436	7470,709	150,697	5,559	509,025	7,469	11,502	4,378	2017-09-15 10:44
39,167	55,163	0,365	0,358	7174,197	7469,615	180,452	5,109	509,025	7,810	11,440	4,367	2017-09-15 10:44
39,333	55,176	0,365	0,358	7156,778	7496,085	228,866	4,933	509,025	7,582	11,517	4,381	2017-09-15 10:45
39,500	55,174	0,365	0,358	7142,403	7424,257	241,311	4,886	509,025	7,651	11,384	4,356	2017-09-15 10:45
39,667	55,161	0,366	0,359	7134,714	7415,014	187,228	5,058	509,025	7,517	11,285	4,337	2017-09-15 10:45
39,833	55,145	0,365	0,358	7111,072	7354,206	162,830	5,268	509,025	7,632	11,397	4,358	2017-09-15 10:45
40,000	55,134	0,365	0,359	7100,660	7341,903	152,174	5,450	509,025	7,471	11,465	4,371	2017-09-15 10:45
40,167	55,131	0,365	0,358	7071,811	7349,738	191,150	5,327	509,025	7,614	11,384	4,356	2017-09-15 10:45
40,333	55,123	0,365	0,358	7045,176	7305,825	220,100	5,208	509,025	7,572	11,263	4,333	2017-09-15 10:46
40,500	55,126	0,365	0,358	7018,712	7235,751	207,522	5,107	509,025	7,582	11,523	4,382	2017-09-15 10:46
40,667	55,130	0,365	0,358	6993,236	7214,368	204,253	5,362	509,025	7,524	11,446	4,368	2017-09-15 10:46
40,833	55,135	0,365	0,358	6970,636	7220,956	160,989	5,969	509,025	7,354	11,361	4,352	2017-09-15 10:46
41,000	55,139	0,365	0,358	6945,045	7205,724	113,468	6,449	509,025	7,482	11,330	4,345	2017-09-15 10:46
41,167	55,142	0,365	0,358	6919,202	7214,338	114,657	6,594	509,025	7,508	11,305	4,341	2017-09-15 10:46
41,333	55,139	0,365	0,358	6887,288	7242,633	117,540	6,400	508,931	7,693	11,089	4,299	2017-09-15 10:47
41,500	55,123	0,365	0,358	6865,548	7227,769	138,346	6,308	508,931	7,328	11,306	4,341	2017-09-15 10:47
41,667	55,103	0,365	0,358	6847,364	7232,892	117,391	6,291	509,025	7,599	11,323	4,344	2017-09-15 10:47
41,833	55,082	0,365	0,358	6854,341	7257,302	136,859	6,203	509,025	7,569	11,404	4,360	2017-09-15 10:47
42,000	55,068	0,365	0,358	6851,928	7256,023	150,795	6,142	508,931	7,414	11,324	4,344	2017-09-15 10:47
42,167	55,052	0,365	0,358	6864,615	7251,171	124,917	6,210	508,931	7,398	11,314	4,343	2017-09-15 10:47
42,333	55,047	0,365	0,358	6866,057	7286,113	143,147	6,213	508,931	7,829	11,336	4,347	2017-09-15 10:48
42,500	55,042	0,365	0,358	6859,311	7227,055	142,518	5,879	508,931	7,512	11,389	4,357	2017-09-15 10:48

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
42,667	0,225	0,428	0,514	0,192	0,287	73,100	19,535	18,838	-16,279	22,161	19,932	20,304	20,636	20,032	75,472	58,107	71,786
42,833	0,224	0,428	0,514	0,187	0,283	73,137	19,528	20,617	-12,466	11,722	19,927	20,290	20,640	20,028	75,472	58,091	71,779
43,000	0,220	0,429	0,514	0,188	0,287	73,167	19,618	24,909	-13,418	16,630	19,936	20,300	20,644	20,031	75,414	58,088	71,782
43,167	0,220	0,436	0,514	0,189	0,283	73,203	19,618	24,893	-15,816	24,932	19,929	20,292	20,634	20,030	75,474	58,071	71,754
43,333	0,214	0,449	0,514	0,188	0,282	73,161	19,636	17,901	-15,465	20,884	19,915	20,295	20,624	20,026	75,462	58,070	71,736
43,500	0,213	0,467	0,514	0,191	0,279	73,221	19,691	17,166	-16,783	16,276	19,926	20,292	20,634	20,024	75,505	58,062	71,727
43,667	0,214	0,480	0,514	0,195	0,285	73,235	19,711	17,357	-17,565	19,230	19,929	20,307	20,629	20,032	75,524	58,055	71,721
43,834	0,215	0,476	0,514	0,191	0,278	73,222	19,767	16,557	-17,004	15,050	19,920	20,304	20,646	20,035	75,441	58,045	71,728
44,000	0,223	0,451	0,514	0,190	0,281	73,262	19,797	19,984	-12,766	11,968	19,924	20,304	20,650	20,039	75,445	58,044	71,719
44,167	0,226	0,425	0,514	0,194	0,277	73,253	19,778	19,676	-15,211	25,171	19,935	20,309	20,633	20,038	75,505	58,044	71,709
44,334	0,227	0,416	0,514	0,192	0,277	73,287	19,786	16,962	-16,817	17,156	19,941	20,303	20,643	20,044	75,494	58,040	71,712
44,500	0,226	0,428	0,514	0,186	0,286	73,286	19,749	17,788	-13,776	14,852	19,936	20,302	20,652	20,035	75,448	58,032	71,710
44,667	0,228	0,452	0,514	0,193	0,284	73,428	19,726	20,922	-13,466	18,274	19,936	20,294	20,652	20,042	75,451	58,020	71,693
44,834	0,218	0,477	0,514	0,184	0,278	73,431	19,722	16,769	-16,586	25,738	19,933	20,313	20,646	20,043	75,533	58,009	71,686
45,000	0,213	0,496	0,514	0,191	0,284	73,515	19,600	18,836	-15,386	14,883	19,937	20,316	20,639	20,042	75,638	57,998	71,688
45,167	0,210	0,490	0,514	0,187	0,280	73,515	19,608	21,705	-13,622	15,926	19,943	20,319	20,639	20,042	75,672	57,998	71,689
45,334	0,210	0,484	0,514	0,191	0,281	73,537	19,664	15,380	-15,540	27,403	19,940	20,317	20,652	20,048	75,637	57,988	71,689
45,500	0,213	0,485	0,514	0,186	0,277	73,471	19,632	18,354	-14,718	11,646	19,939	20,299	20,650	20,039	75,792	57,984	71,715
45,667	0,210	0,496	0,514	0,187	0,287	73,508	19,573	23,588	-15,455	19,946	19,943	20,293	20,648	20,042	75,758	57,980	71,763
45,834	0,211	0,496	0,514	0,191	0,283	73,568	19,659	16,788	-15,472	27,109	19,936	20,317	20,645	20,043	75,983	57,972	71,801
46,000	0,209	0,487	0,514	0,188	0,285	73,585	19,688	16,594	-16,440	19,165	19,944	20,290	20,641	20,042	75,889	57,968	71,818
46,167	0,211	0,475	0,514	0,188	0,288	73,609	19,673	12,982	-17,090	13,121	19,931	20,315	20,657	20,040	75,954	57,965	71,866
46,333	0,212	0,478	0,514	0,193	0,286	73,718	19,673	15,701	-17,105	13,935	19,936	20,308	20,656	20,042	75,929	57,966	71,912
46,500	0,215	0,479	0,514	0,197	0,281	73,781	19,723	19,329	-13,072	12,885	19,951	20,331	20,665	20,060	75,941	57,958	71,941
46,667	0,216	0,475	0,514	0,194	0,280	73,838	19,717	17,132	-16,524	22,735	19,935	20,324	20,653	20,047	75,959	57,954	71,971
46,833	0,213	0,481	0,514	0,184	0,279	73,878	19,649	22,284	-15,542	16,848	19,945	20,312	20,648	20,055	76,020	57,954	72,002
47,000	0,213	0,488	0,514	0,192	0,279	73,982	19,594	22,500	-12,384	17,542	19,952	20,325	20,649	20,050	76,086	57,953	72,025
47,167	0,210	0,506	0,514	0,189	0,282	74,101	19,671	23,615	-12,754	22,220	19,931	20,332	20,653	20,048	76,193	57,943	72,038
47,333	0,208	0,519	0,513	0,189	0,281	74,208	19,709	18,133	-15,901	29,881	19,944	20,315	20,671	20,052	76,230	57,945	72,053
47,500	0,207	0,527	0,513	0,189	0,281	74,281	19,589	21,148	-13,446	13,474	19,931	20,323	20,648	20,052	76,215	57,941	72,068
47,667	0,206	0,536	0,513	0,192	0,282	74,453	19,600	29,670	-14,927	22,088	19,951	20,318	20,649	20,055	76,293	57,942	72,088
47,833	0,208	0,545	0,513	0,191	0,284	74,539	19,596	28,841	-13,800	21,122	19,935	20,312	20,647	20,051	76,514	57,941	72,129
48,000	0,209	0,542	0,513	0,189	0,280	74,632	19,704	31,078	-11,158	22,809	19,942	20,336	20,649	20,058	76,526	57,938	72,171
48,167	0,209	0,535	0,513	0,192	0,284	74,643	19,678	25,958	-15,249	29,308	19,944	20,331	20,652	20,058	76,669	57,934	72,222
48,333	0,207	0,539	0,513	0,196	0,283	74,684	19,718	24,184	-13,413	12,478	19,951	20,325	20,653	20,058	76,731	57,930	72,281
48,500	0,206	0,551	0,513	0,194	0,288	74,681	19,683	23,971	-15,178	28,896	19,940	20,324	20,645	20,056	76,830	57,925	72,357
48,667	0,205	0,564	0,513	0,191	0,284	74,712	19,501	-61,553	49,612	-62,700	19,940	20,315	20,653	20,054	77,074	57,922	72,430

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
42,667	55,039	0,365	0,358	6861,340	7247,232	162,208	5,699	508,838	7,670	11,476	4,373	2017-09-15 10:48
42,833	55,038	0,365	0,357	6857,220	7256,964	159,085	5,697	508,931	7,464	11,325	4,345	2017-09-15 10:48
43,000	55,034	0,365	0,358	6872,116	7233,862	133,307	5,721	508,931	7,534	11,462	4,371	2017-09-15 10:48
43,167	55,032	0,365	0,358	6856,873	7271,641	134,666	5,896	508,931	7,557	11,313	4,342	2017-09-15 10:48
43,333	55,024	0,365	0,358	6848,666	7266,412	95,797	6,228	508,931	7,525	11,280	4,336	2017-09-15 10:49
43,500	55,014	0,365	0,358	6852,845	7287,842	89,491	6,679	508,931	7,634	11,178	4,316	2017-09-15 10:49
43,667	54,996	0,365	0,358	6860,833	7299,919	97,058	7,002	508,931	7,790	11,380	4,355	2017-09-15 10:49
43,834	54,980	0,365	0,358	6867,920	7266,415	104,084	6,897	508,931	7,648	11,125	4,306	2017-09-15 10:49
44,000	54,963	0,365	0,358	6868,125	7265,485	150,235	6,279	508,931	7,584	11,256	4,331	2017-09-15 10:49
44,167	54,953	0,365	0,358	6869,321	7289,042	167,885	5,626	508,931	7,769	11,085	4,298	2017-09-15 10:49
44,334	54,947	0,365	0,358	6869,037	7286,961	179,233	5,410	508,931	7,662	11,085	4,298	2017-09-15 10:50
44,500	54,936	0,365	0,358	6875,857	7275,391	170,425	5,699	508,931	7,450	11,453	4,369	2017-09-15 10:50
44,667	54,928	0,365	0,358	6881,159	7277,414	183,430	6,308	508,931	7,738	11,357	4,351	2017-09-15 10:50
44,834	54,925	0,365	0,358	6883,654	7324,235	122,022	6,925	508,931	7,375	11,116	4,304	2017-09-15 10:50
45,000	54,924	0,365	0,358	6873,842	7369,034	89,060	7,389	508,838	7,638	11,341	4,348	2017-09-15 10:50
45,167	54,920	0,365	0,357	6869,458	7382,623	71,035	7,254	508,838	7,485	11,203	4,321	2017-09-15 10:50
45,334	54,912	0,365	0,358	6875,733	7371,739	71,236	7,109	508,838	7,628	11,228	4,326	2017-09-15 10:51
45,500	54,898	0,365	0,358	6893,007	7431,989	91,576	7,127	508,838	7,452	11,064	4,294	2017-09-15 10:51
45,667	54,884	0,365	0,358	6916,050	7420,353	68,085	7,400	508,838	7,495	11,493	4,377	2017-09-15 10:51
45,834	54,865	0,365	0,358	6941,052	7524,697	78,064	7,388	508,838	7,634	11,311	4,342	2017-09-15 10:51
46,000	54,853	0,365	0,358	6958,834	7485,133	63,658	7,184	508,838	7,527	11,385	4,356	2017-09-15 10:51
46,167	54,839	0,365	0,358	6986,765	7518,918	76,257	6,873	508,838	7,501	11,522	4,382	2017-09-15 10:51
46,333	54,829	0,365	0,358	7006,337	7499,331	84,217	6,953	508,838	7,705	11,434	4,365	2017-09-15 10:52
46,500	54,825	0,365	0,358	7025,849	7509,806	103,733	6,969	508,838	7,880	11,258	4,332	2017-09-15 10:52
46,667	54,814	0,364	0,358	7029,372	7509,191	108,566	6,868	508,838	7,756	11,181	4,317	2017-09-15 10:52
46,833	54,809	0,364	0,358	7046,794	7537,074	90,954	7,035	508,838	7,359	11,169	4,314	2017-09-15 10:52
47,000	54,803	0,365	0,358	7062,872	7576,239	92,243	7,190	508,838	7,663	11,166	4,314	2017-09-15 10:52
47,167	54,795	0,365	0,358	7072,280	7629,697	73,536	7,650	508,838	7,565	11,264	4,333	2017-09-15 10:52
47,333	54,781	0,365	0,358	7078,920	7633,528	58,996	7,985	508,743	7,573	11,259	4,332	2017-09-15 10:53
47,500	54,770	0,365	0,358	7088,723	7625,681	50,011	8,177	508,743	7,561	11,227	4,326	2017-09-15 10:53
47,667	54,759	0,365	0,358	7112,744	7670,744	42,714	8,407	508,743	7,675	11,265	4,333	2017-09-15 10:53
47,833	54,744	0,365	0,358	7136,196	7764,629	58,256	8,624	508,743	7,628	11,369	4,353	2017-09-15 10:53
48,000	54,739	0,365	0,358	7152,360	7767,445	63,457	8,557	508,743	7,549	11,204	4,321	2017-09-15 10:53
48,167	54,734	0,365	0,358	7181,438	7821,798	62,609	8,367	508,743	7,689	11,348	4,349	2017-09-15 10:53
48,333	54,731	0,365	0,358	7198,616	7849,973	52,137	8,463	508,743	7,858	11,303	4,340	2017-09-15 10:54
48,500	54,731	0,365	0,358	7229,666	7893,379	48,493	8,777	508,743	7,773	11,520	4,382	2017-09-15 10:54
48,667	54,728	0,365	0,358	7261,431	7998,729	38,726	9,100	508,743	7,622	11,376	4,354	2017-09-15 10:54

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
48,833	0,206	0,563	0,513	0,189	0,276	74,790	19,542	22,928	-29,974	60,576	19,955	20,335	20,656	20,059	77,189	57,923	72,520
49,000	0,207	0,545	0,513	0,194	0,283	74,810	19,627	18,115	-20,676	-7,003	19,943	20,325	20,656	20,058	77,224	57,922	72,595
49,167	0,212	0,512	0,513	0,194	0,277	74,886	19,624	19,131	38,327	13,303	19,938	20,333	20,658	20,056	77,236	57,930	72,674
49,333	0,209	0,498	0,513	0,196	0,275	74,958	19,670	22,416	-15,672	19,525	19,936	20,329	20,660	20,059	77,275	57,949	72,767
49,500	0,207	0,511	0,513	0,188	0,282	75,025	19,697	24,493	-13,762	20,619	19,942	20,327	20,672	20,059	77,236	57,954	72,848
49,667	0,206	0,526	0,513	0,191	0,281	75,128	19,679	25,080	-15,602	20,416	19,945	20,331	20,660	20,060	77,329	57,964	72,927
49,833	0,206	0,531	0,513	0,193	0,284	75,186	19,667	22,259	-16,980	20,147	19,952	20,328	20,655	20,060	77,420	57,976	72,987
50,000	0,207	0,536	0,513	0,188	0,279	75,290	19,686	16,522	-17,399	18,250	19,949	20,315	20,659	20,063	77,530	57,988	73,031
50,167	0,208	0,535	0,513	0,196	0,286	75,353	19,701	17,525	-18,685	15,020	19,952	20,331	20,670	20,064	77,612	57,996	73,082
50,334	0,208	0,535	0,513	0,193	0,278	75,340	19,701	18,615	-17,168	12,418	19,942	20,316	20,665	20,064	77,721	58,005	73,133
50,500	0,205	0,541	0,513	0,187	0,275	75,384	19,708	16,357	-17,604	13,825	19,951	20,323	20,660	20,066	77,786	58,016	73,193
50,667	0,205	0,553	0,513	0,192	0,281	75,378	19,709	19,794	-15,934	16,543	19,960	20,345	20,684	20,070	77,888	58,028	73,258
50,834	0,203	0,561	0,513	0,192	0,278	75,412	19,690	20,420	-16,322	23,041	19,964	20,332	20,666	20,066	77,960	58,039	73,325
51,000	0,203	0,564	0,512	0,196	0,277	75,392	19,692	18,332	-17,062	12,345	19,939	20,328	20,673	20,064	78,107	58,051	73,390
51,167	0,203	0,557	0,512	0,200	0,284	75,413	19,680	17,937	-16,835	21,142	19,970	20,337	20,682	20,068	78,149	58,068	73,468
51,334	0,205	0,540	0,512	0,198	0,277	75,365	19,693	18,108	-17,135	17,045	19,947	20,337	20,663	20,068	78,191	58,086	73,532
51,500	0,207	0,535	0,512	0,193	0,281	75,411	19,703	20,293	-16,217	15,672	19,956	20,322	20,676	20,067	78,280	58,101	73,596
51,667	0,209	0,515	0,512	0,186	0,276	75,411	19,695	21,626	-13,972	18,207	19,965	20,331	20,672	20,068	78,348	58,119	73,671
51,834	0,208	0,510	0,512	0,190	0,281	75,450	19,678	24,535	-16,335	23,968	19,955	20,344	20,675	20,076	78,312	58,137	73,741
52,000	0,209	0,528	0,512	0,199	0,281	75,428	19,663	19,034	-17,017	18,286	19,957	20,301	20,661	20,070	78,330	58,148	73,807
52,167	0,208	0,546	0,512	0,199	0,284	75,456	19,687	17,261	-16,491	12,719	19,951	20,335	20,657	20,072	78,419	58,160	73,861
52,334	0,204	0,555	0,512	0,192	0,276	75,463	19,700	18,729	-17,275	16,614	19,971	20,328	20,673	20,076	78,489	58,170	73,921
52,500	0,205	0,564	0,512	0,193	0,282	75,442	19,747	17,841	-15,081	11,197	19,975	20,321	20,681	20,080	78,651	58,178	73,956
52,667	0,206	0,569	0,512	0,196	0,277	75,491	19,838	17,151	-18,409	19,819	19,972	20,342	20,688	20,086	78,680	58,192	73,985
52,833	0,209	0,545	0,512	0,195	0,281	75,480	19,806	17,126	-17,382	14,391	19,969	20,331	20,681	20,079	78,660	58,208	74,031
53,000	0,210	0,513	0,512	0,192	0,279	75,484	19,809	15,352	-16,197	13,703	19,959	20,330	20,684	20,076	78,632	58,224	74,088
53,167	0,211	0,509	0,512	0,195	0,277	75,494	19,788	17,819	-14,294	13,961	19,965	20,332	20,686	20,079	78,696	58,236	74,154
53,333	0,209	0,518	0,512	0,189	0,283	75,476	19,720	23,949	-15,928	20,816	19,980	20,332	20,669	20,076	78,692	58,252	74,203
53,500	0,205	0,525	0,512	0,189	0,284	75,443	19,766	17,342	-16,420	21,917	19,969	20,333	20,686	20,086	78,686	58,264	74,231
53,667	0,205	0,541	0,512	0,190	0,283	75,426	19,692	16,143	-18,760	15,850	19,973	20,338	20,680	20,079	78,768	58,285	74,256
53,833	0,205	0,548	0,512	0,196	0,282	75,335	19,713	16,555	-18,064	14,142	19,969	20,343	20,680	20,080	78,794	58,301	74,277
54,000	0,205	0,546	0,512	0,192	0,285	75,281	19,736	16,420	-15,995	11,030	19,964	20,342	20,693	20,084	78,873	58,309	74,304
54,167	0,205	0,537	0,512	0,192	0,286	75,248	19,677	16,394	-15,388	15,352	19,980	20,338	20,675	20,084	78,864	58,317	74,323
54,333	0,206	0,521	0,512	0,194	0,285	75,213	19,741	19,530	-15,453	17,010	19,973	20,336	20,689	20,083	78,819	58,326	74,349
54,500	0,210	0,507	0,512	0,196	0,280	75,178	19,759	15,497	-16,985	17,914	19,979	20,347	20,681	20,083	78,920	58,345	74,377
54,667	0,208	0,498	0,512	0,194	0,277	75,115	19,662	15,118	-17,931	14,526	19,983	20,335	20,694	20,086	78,829	58,362	74,418
54,833	0,207	0,507	0,512	0,197	0,280	75,044	19,646	15,453	-17,478	14,068	19,986	20,342	20,700	20,086	78,856	58,380	74,441

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
48,833	54,723	0,365	0,358	7298,781	8049,373	43,833	9,075	508,743	7,560	11,036	4,289	2017-09-15 10:54
49,000	54,720	0,365	0,358	7330,375	8057,800	51,279	8,624	508,743	7,764	11,313	4,342	2017-09-15 10:54
49,167	54,712	0,365	0,358	7371,042	8069,824	82,956	7,808	508,650	7,742	11,093	4,300	2017-09-15 10:54
49,333	54,703	0,365	0,358	7409,833	8076,091	65,983	7,462	508,650	7,829	11,011	4,284	2017-09-15 10:55
49,500	54,692	0,365	0,358	7457,482	8058,263	50,886	7,765	508,650	7,507	11,280	4,336	2017-09-15 10:55
49,667	54,683	0,365	0,358	7488,858	8101,995	43,566	8,140	508,650	7,634	11,223	4,325	2017-09-15 10:55
49,833	54,683	0,365	0,359	7523,106	8129,835	44,215	8,276	508,650	7,733	11,355	4,350	2017-09-15 10:55
50,000	54,694	0,365	0,358	7525,262	8165,767	50,890	8,396	508,650	7,514	11,159	4,312	2017-09-15 10:55
50,167	54,715	0,365	0,358	7532,737	8202,907	60,747	8,375	508,650	7,840	11,437	4,366	2017-09-15 10:55
50,334	54,732	0,365	0,358	7556,568	8247,600	58,447	8,384	508,650	7,728	11,130	4,307	2017-09-15 10:56
50,500	54,742	0,365	0,359	7584,493	8260,293	38,920	8,526	508,650	7,495	11,009	4,283	2017-09-15 10:56
50,667	54,750	0,365	0,358	7600,562	8297,519	36,506	8,823	508,650	7,671	11,223	4,325	2017-09-15 10:56
50,834	54,752	0,365	0,358	7617,045	8317,862	29,505	9,021	508,650	7,664	11,110	4,303	2017-09-15 10:56
51,000	54,755	0,365	0,358	7645,247	8378,487	26,767	9,090	508,556	7,850	11,091	4,299	2017-09-15 10:56
51,167	54,751	0,365	0,358	7685,278	8397,964	29,168	8,921	508,556	8,002	11,370	4,353	2017-09-15 10:56
51,334	54,746	0,365	0,359	7725,052	8401,594	41,620	8,507	508,556	7,910	11,089	4,299	2017-09-15 10:57
51,500	54,739	0,365	0,359	7749,838	8436,317	52,120	8,377	508,556	7,737	11,229	4,326	2017-09-15 10:57
51,667	54,739	0,365	0,359	7793,330	8456,339	63,450	7,884	508,556	7,443	11,054	4,292	2017-09-15 10:57
51,834	54,743	0,365	0,359	7810,980	8432,296	56,425	7,742	508,556	7,619	11,251	4,330	2017-09-15 10:57
52,000	54,751	0,365	0,358	7826,035	8427,404	65,337	8,203	508,556	7,965	11,228	4,326	2017-09-15 10:57
52,167	54,767	0,365	0,358	7843,578	8467,272	55,653	8,641	508,556	7,953	11,349	4,349	2017-09-15 10:57
52,334	54,783	0,365	0,358	7862,146	8500,136	35,571	8,877	508,556	7,681	11,022	4,286	2017-09-15 10:58
52,500	54,790	0,365	0,359	7882,740	8556,468	38,920	9,093	508,463	7,716	11,296	4,339	2017-09-15 10:58
52,667	54,799	0,365	0,359	7884,146	8567,570	44,983	9,215	508,463	7,834	11,063	4,294	2017-09-15 10:58
52,833	54,807	0,365	0,359	7900,506	8545,932	63,235	8,622	508,463	7,814	11,225	4,325	2017-09-15 10:58
53,000	54,806	0,365	0,359	7923,605	8533,616	73,071	7,821	508,463	7,671	11,146	4,310	2017-09-15 10:58
53,167	54,809	0,365	0,358	7948,338	8558,517	79,783	7,722	508,463	7,789	11,090	4,299	2017-09-15 10:58
53,333	54,809	0,365	0,358	7963,520	8537,890	67,015	7,950	508,463	7,571	11,317	4,343	2017-09-15 10:59
53,500	54,810	0,365	0,359	7982,266	8537,763	40,807	8,131	508,463	7,579	11,354	4,350	2017-09-15 10:59
53,667	54,825	0,365	0,358	7982,755	8560,248	37,847	8,525	508,463	7,606	11,307	4,341	2017-09-15 10:59
53,833	54,857	0,365	0,358	7976,111	8560,425	38,705	8,690	508,463	7,846	11,272	4,334	2017-09-15 10:59
54,000	54,889	0,365	0,358	7973,913	8599,028	36,940	8,646	508,463	7,695	11,405	4,360	2017-09-15 10:59
54,167	54,920	0,365	0,358	7966,925	8585,279	40,939	8,428	508,463	7,695	11,460	4,370	2017-09-15 10:59
54,333	54,943	0,365	0,359	7978,487	8567,603	42,687	8,016	508,463	7,757	11,383	4,356	2017-09-15 11:00
54,500	54,964	0,366	0,359	7982,686	8613,656	71,855	7,676	508,463	7,859	11,189	4,318	2017-09-15 11:00
54,667	54,977	0,365	0,359	7991,805	8560,003	59,705	7,441	508,463	7,765	11,062	4,294	2017-09-15 11:00
54,833	54,989	0,365	0,359	7992,646	8554,405	49,403	7,671	508,463	7,888	11,199	4,320	2017-09-15 11:00

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
55,000	0,208	0,504	0,511	0,194	0,283	75,014	19,629	15,460	-17,792	13,092	19,971	20,335	20,690	20,090	78,831	58,404	74,461
55,167	0,212	0,485	0,512	0,195	0,284	74,880	19,595	14,202	-17,333	12,573	19,976	20,337	20,693	20,086	78,879	58,420	74,477
55,333	0,213	0,469	0,511	0,195	0,281	74,879	19,626	15,759	-16,974	12,589	19,980	20,335	20,686	20,087	78,837	58,447	74,485
55,500	0,216	0,448	0,512	0,202	0,284	74,827	19,642	19,187	-12,467	12,827	19,984	20,347	20,697	20,088	78,773	58,463	74,496
55,667	0,217	0,441	0,512	0,191	0,282	74,774	19,623	22,074	-15,686	22,545	19,989	20,338	20,691	20,095	78,736	58,483	74,499
55,833	0,212	0,445	0,512	0,191	0,279	74,730	19,671	21,800	-15,053	20,380	19,989	20,351	20,697	20,096	78,711	58,494	74,508
56,000	0,212	0,455	0,511	0,195	0,279	74,632	19,684	19,707	-17,129	22,755	19,980	20,347	20,709	20,095	78,683	58,498	74,503
56,167	0,219	0,459	0,511	0,188	0,286	74,533	19,732	-41,671	-14,925	6,347	19,984	20,351	20,700	20,099	78,597	58,502	74,478
56,333	0,220	0,445	0,512	0,192	0,282	74,434	19,733	125,844	-13,189	10,627	19,986	20,357	20,708	20,107	78,530	58,520	74,458
56,500	0,223	0,424	0,512	0,192	0,280	74,295	19,697	284,873	-23,551	-46,919	19,993	20,338	20,700	20,097	78,504	58,525	74,436
56,667	0,229	0,398	0,512	0,197	0,282	74,276	19,605	94,506	-32,906	20,272	19,993	20,357	20,701	20,105	78,392	58,533	74,408
56,833	0,226	0,393	0,512	0,188	0,282	74,247	19,685	-22,922	-15,756	20,266	19,987	20,349	20,702	20,097	78,324	58,549	74,373
57,000	0,220	0,404	0,512	0,188	0,283	74,194	19,735	-35,138	20,333	20,298	20,005	20,349	20,720	20,116	78,219	58,565	74,345
57,167	0,219	0,422	0,512	0,187	0,284	74,121	19,824	-6,332	20,237	20,308	20,016	20,365	20,721	20,115	78,182	58,576	74,303
57,334	0,219	0,431	0,512	0,191	0,278	73,990	19,863	18,876	20,236	20,311	20,000	20,351	20,714	20,104	78,037	58,569	74,249
57,500	0,218	0,433	0,512	0,191	0,286	73,900	19,775	15,414	20,231	20,309	19,987	20,358	20,700	20,103	78,035	58,571	74,195
57,667	0,220	0,436	0,511	0,194	0,281	73,785	19,885	13,315	20,262	20,329	20,005	20,359	20,714	20,107	77,953	58,573	74,143
57,834	0,220	0,427	0,470	0,191	0,288	73,705	19,920	13,567	20,259	20,310	19,995	20,354	20,699	20,108	77,888	58,568	74,088
58,000	0,219	0,429	0,514	0,191	0,287	73,648	19,817	18,070	20,259	20,320	20,004	20,345	20,713	20,105	77,787	58,575	74,031
58,167	0,216	0,440	0,485	0,189	0,282	73,554	19,773	26,879	20,260	20,324	19,978	20,343	20,712	20,103	77,732	58,571	73,977
58,334	0,220	0,455	0,478	0,191	0,282	73,505	19,818	20,149	20,273	20,334	19,992	20,336	20,705	20,104	77,723	58,571	73,925
58,500	0,223	0,453	0,470	0,190	0,279	73,489	19,811	18,977	20,278	20,334	19,999	20,344	20,709	20,111	77,654	58,571	73,867
58,667	0,224	0,443	0,473	0,193	0,281	73,446	19,745	18,641	20,269	20,343	20,000	20,342	20,717	20,108	77,505	58,561	73,796
58,834	0,226	0,430	0,460	0,194	0,287	73,439	19,760	17,957	20,281	20,338	19,996	20,357	20,717	20,116	77,451	58,544	73,749
59,000	0,220	0,417	0,591	0,189	0,285	73,379	19,823	18,765	20,285	20,363	20,013	20,358	20,718	20,119	77,412	58,538	73,692
59,167	0,221	0,418	0,578	0,192	0,283	73,326	19,828	32,087	20,291	20,351	20,008	20,355	20,710	20,111	77,325	58,528	73,644
59,334	0,221	0,420	0,575	0,187	0,280	73,295	19,769	20,216	20,272	20,350	19,991	20,355	20,713	20,108	77,230	58,514	73,584
59,500	0,219	0,427	0,443	0,190	0,285	73,300	19,632	18,543	20,286	20,362	20,011	20,359	20,713	20,115	77,244	58,502	73,528
59,667	0,219	0,436	0,457	0,192	0,288	73,235	19,694	22,264	20,298	20,344	20,004	20,359	20,695	20,111	77,172	58,487	73,480
59,833	0,220	0,433	0,498	0,190	0,284	73,190	19,705	27,691	20,295	20,363	20,005	20,357	20,720	20,111	77,060	58,463	73,417
60,000	0,225	0,431	0,498	0,187	0,286	73,104	19,756	25,612	20,286	20,359	20,004	20,350	20,720	20,111	77,002	58,461	73,360
60,167	0,229	0,426	0,498	0,183	0,280	73,052	19,757	24,367	20,306	20,361	20,001	20,346	20,720	20,115	76,944	58,446	73,316
60,333	0,226	0,420	0,456	0,193	0,285	72,944	19,659	-5,936	20,311	20,362	20,007	20,367	20,709	20,115	76,870	58,439	73,260
60,500	0,223	0,424	0,493	0,194	0,284	72,945	19,754	43,525	20,295	20,372	20,011	20,362	20,716	20,112	76,835	58,428	73,199
60,667	0,219	0,427	0,506	0,188	0,279	72,881	19,863	-37,441	20,315	20,371	20,018	20,370	20,713	20,116	76,756	58,414	73,156
60,833	0,221	0,430	0,506	0,186	0,274	72,803	19,849	18,978	20,312	20,376	20,015	20,359	20,734	20,119	76,673	58,411	73,093
61,000	0,222	0,425	0,507	0,195	0,277	72,724	19,904	16,836	20,306	20,385	20,015	20,367	20,717	20,119	76,459	58,396	73,039

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
55,000	54,999	0,366	0,359	7997,902	8550,757	58,231	7,595	508,321	7,759	11,307	4,341	2017-09-15 11:00
55,167	55,001	0,365	0,359	8004,071	8552,774	81,271	7,116	508,463	7,800	11,374	4,354	2017-09-15 11:00
55,333	55,007	0,365	0,358	7993,905	8529,667	87,587	6,733	508,321	7,788	11,252	4,331	2017-09-15 11:01
55,500	55,012	0,365	0,358	8005,388	8485,681	109,181	6,201	508,463	8,071	11,347	4,349	2017-09-15 11:01
55,667	55,028	0,365	0,358	7994,821	8461,950	117,210	6,035	508,463	7,627	11,267	4,333	2017-09-15 11:01
55,833	55,054	0,365	0,359	7997,412	8453,800	82,153	6,116	508,463	7,634	11,157	4,312	2017-09-15 11:01
56,000	55,079	0,365	0,358	7976,806	8430,859	82,365	6,383	508,321	7,799	11,144	4,310	2017-09-15 11:01
56,167	55,094	0,365	0,358	7950,887	8391,611	124,927	6,465	508,321	7,505	11,423	4,363	2017-09-15 11:01
56,333	55,103	0,365	0,358	7939,483	8364,496	133,099	6,130	508,463	7,668	11,291	4,338	2017-09-15 11:02
56,500	55,106	0,365	0,358	7932,898	8354,328	151,965	5,593	508,463	7,671	11,217	4,324	2017-09-15 11:02
56,667	55,111	0,366	0,359	7928,800	8313,828	186,964	4,956	508,463	7,885	11,270	4,334	2017-09-15 11:02
56,833	55,121	0,366	0,359	7911,255	8278,169	167,806	4,837	508,463	7,514	11,283	4,337	2017-09-15 11:02
57,000	55,125	0,366	0,359	7902,695	8222,270	133,544	5,101	508,463	7,521	11,338	4,347	2017-09-15 11:02
57,167	55,131	0,365	0,358	7866,702	8197,050	128,488	5,550	508,463	7,467	11,350	4,349	2017-09-15 11:02
57,334	55,133	0,365	0,358	7839,124	8140,144	125,538	5,767	508,463	7,656	11,130	4,307	2017-09-15 11:03
57,500	55,143	0,365	0,358	7811,907	8132,954	122,179	5,823	508,463	7,625	11,445	4,367	2017-09-15 11:03
57,667	55,151	0,365	0,358	7783,985	8097,954	130,792	5,903	508,227	7,757	11,229	4,326	2017-09-15 11:03
57,834	55,157	0,365	0,359	7780,363	8078,016	134,333	5,678	500,638	7,658	11,503	4,379	2017-09-15 11:03
58,000	55,149	0,366	0,359	7765,044	8038,793	125,542	5,731	508,838	7,642	11,472	4,373	2017-09-15 11:03
58,167	55,138	0,365	0,358	7726,789	8009,211	110,036	6,012	503,452	7,573	11,274	4,335	2017-09-15 11:03
58,334	55,130	0,365	0,358	7711,970	7997,957	134,701	6,381	502,042	7,641	11,260	4,332	2017-09-15 11:04
58,500	55,129	0,365	0,358	7693,319	7979,165	148,904	6,318	500,637	7,612	11,180	4,317	2017-09-15 11:04
58,667	55,126	0,366	0,358	7669,608	7934,369	158,310	6,070	501,153	7,717	11,232	4,327	2017-09-15 11:04
58,834	55,122	0,366	0,359	7656,642	7922,585	168,313	5,761	498,766	7,752	11,487	4,375	2017-09-15 11:04
59,000	55,115	0,365	0,358	7621,863	7890,347	131,052	5,415	523,369	7,576	11,382	4,355	2017-09-15 11:04
59,167	55,109	0,365	0,358	7609,447	7853,662	139,179	5,461	520,838	7,675	11,313	4,342	2017-09-15 11:04
59,334	55,103	0,365	0,358	7585,135	7825,637	140,003	5,496	520,227	7,493	11,211	4,323	2017-09-15 11:05
59,500	55,109	0,366	0,358	7560,948	7843,000	124,920	5,683	495,623	7,620	11,403	4,359	2017-09-15 11:05
59,667	55,110	0,365	0,358	7536,398	7816,118	127,429	5,899	498,157	7,691	11,503	4,379	2017-09-15 11:05
59,833	55,103	0,366	0,358	7514,986	7779,968	131,824	5,836	505,930	7,581	11,348	4,349	2017-09-15 11:05
60,000	55,099	0,366	0,358	7496,742	7758,891	161,607	5,782	505,935	7,471	11,451	4,369	2017-09-15 11:05
60,167	55,093	0,365	0,359	7487,049	7736,144	188,239	5,639	505,935	7,327	11,189	4,318	2017-09-15 11:05
60,333	55,089	0,365	0,358	7458,044	7704,019	169,164	5,505	498,064	7,736	11,405	4,360	2017-09-15 11:06
60,500	55,084	0,366	0,358	7434,171	7705,043	149,259	5,607	504,857	7,747	11,348	4,349	2017-09-15 11:06
60,667	55,084	0,366	0,358	7411,752	7673,271	129,034	5,664	507,431	7,535	11,176	4,316	2017-09-15 11:06
60,833	55,075	0,365	0,358	7389,566	7634,812	140,444	5,746	507,437	7,448	10,978	4,277	2017-09-15 11:06
61,000	55,058	0,365	0,358	7377,928	7545,682	145,659	5,614	507,624	7,790	11,084	4,298	2017-09-15 11:06

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
61,167	0,223	0,415	0,510	0,189	0,280	72,695	19,961	15,350	20,307	20,380	20,017	20,366	20,513	20,117	76,528	58,368	72,983
61,333	0,226	0,404	0,518	0,193	0,282	72,622	19,928	18,658	20,310	20,392	19,994	20,392	20,481	20,119	76,374	58,357	72,917
61,500	0,227	0,398	0,510	0,197	0,282	72,494	19,972	12,876	20,380	20,414	20,005	20,388	20,476	20,121	76,270	58,333	72,863
61,667	0,225	0,393	0,516	0,191	0,274	72,451	19,906	-157,568	20,423	20,427	20,003	20,396	20,498	20,125	76,189	58,325	72,792
61,833	0,224	0,387	0,520	0,185	0,284	72,403	19,686	-6,782	20,443	20,428	20,024	20,399	20,490	20,131	76,107	58,305	72,720
62,000	0,223	0,391	0,506	0,190	0,282	72,328	19,803	18,756	20,444	20,442	19,996	20,395	20,506	20,128	76,006	58,289	72,649
62,167	0,226	0,396	0,539	0,183	0,282	72,272	19,842	5,799	20,480	20,455	20,011	20,399	20,482	20,131	75,954	58,259	72,578
62,333	0,227	0,391	0,547	0,190	0,278	72,214	19,864	5,358	20,478	20,455	20,000	20,390	20,494	20,127	75,950	58,248	72,507
62,500	0,232	0,390	0,547	0,186	0,284	72,138	19,874	15,944	20,507	20,473	19,998	20,384	20,480	20,129	75,813	58,232	72,419
62,667	0,228	0,384	0,547	0,189	0,280	72,161	19,867	16,871	20,519	20,488	20,017	20,396	20,494	20,132	75,692	58,212	72,345
62,833	0,227	0,391	0,547	0,189	0,270	72,090	19,858	18,487	20,515	20,471	20,016	20,378	20,499	20,132	75,590	58,195	72,283
63,000	0,224	0,405	0,547	0,182	0,282	71,999	19,872	20,151	20,527	20,488	19,995	20,383	20,490	20,129	75,610	58,176	72,214
63,167	0,222	0,418	0,547	0,185	0,283	71,956	19,897	23,411	20,533	20,488	20,020	20,391	20,494	20,133	75,505	58,158	72,136
63,333	0,222	0,423	0,547	0,181	0,282	71,927	19,930	16,318	20,556	20,511	20,001	20,396	20,492	20,135	75,331	58,134	72,052
63,500	0,220	0,420	0,547	0,184	0,276	71,877	19,908	19,797	20,563	20,518	19,999	20,391	20,490	20,135	75,445	58,114	71,980
63,667	0,223	0,426	0,547	0,187	0,281	71,837	19,968	22,305	20,556	20,520	20,006	20,387	20,509	20,137	75,319	58,084	71,914
63,833	0,224	0,428	0,547	0,193	0,275	71,771	19,998	30,665	20,549	20,511	20,006	20,369	20,495	20,131	75,276	58,070	71,843
64,000	0,225	0,422	0,547	0,185	0,284	71,742	20,079	25,770	20,569	20,520	19,997	20,403	20,507	20,136	75,311	58,040	71,787
64,167	0,224	0,422	0,547	0,187	0,282	71,694	19,916	18,115	20,596	20,540	20,006	20,385	20,489	20,137	75,230	58,029	71,748
64,334	0,223	0,429	0,547	0,194	0,280	71,685	19,858	17,669	20,590	20,553	20,010	20,388	20,497	20,136	75,214	58,020	71,700
64,500	0,224	0,437	0,547	0,188	0,283	71,666	19,806	17,093	20,604	20,547	20,022	20,385	20,505	20,140	75,131	58,006	71,650
64,667	0,223	0,449	0,547	0,185	0,282	71,674	19,738	18,430	20,611	20,550	20,007	20,386	20,520	20,143	75,131	57,992	71,623
64,834	0,219	0,462	0,547	0,185	0,281	71,644	19,795	19,711	20,608	20,562	19,989	20,381	20,505	20,136	75,026	57,973	71,593
65,000	0,221	0,454	0,547	0,191	0,281	71,700	19,893	25,145	20,629	20,561	20,024	20,390	20,496	20,139	75,227	57,949	71,554
65,167	0,223	0,436	0,547	0,187	0,281	71,658	19,802	23,167	20,631	20,577	20,011	20,399	20,524	20,144	75,119	57,938	71,511
65,334	0,227	0,422	0,547	0,190	0,281	71,658	19,786	22,958	20,633	20,581	20,012	20,376	20,501	20,143	75,045	57,923	71,472
65,500	0,220	0,427	0,547	0,190	0,278	71,708	19,848	23,387	20,658	20,595	20,036	20,394	20,519	20,148	74,809	57,912	71,438
65,667	0,219	0,435	0,547	0,186	0,281	71,651	19,864	21,878	20,665	20,591	20,005	20,381	20,519	20,144	74,943	57,895	71,420
65,834	0,226	0,429	0,547	0,183	0,283	71,654	19,875	22,171	20,664	20,607	20,031	20,389	20,515	20,147	74,797	57,875	71,408
66,000	0,230	0,410	0,547	0,191	0,280	71,653	19,849	21,781	20,668	20,600	20,029	20,391	20,510	20,145	74,985	57,859	71,380
66,167	0,229	0,395	0,547	0,187	0,278	71,625	19,858	25,499	20,671	20,608	20,019	20,400	20,521	20,147	74,798	57,847	71,331
66,334	0,232	0,392	0,547	0,184	0,279	71,591	19,928	21,962	20,671	20,609	20,010	20,395	20,526	20,148	74,758	57,831	71,287
66,500	0,233	0,393	0,547	0,185	0,286	71,582	19,926	21,278	20,697	20,628	20,007	20,394	20,525	20,149	74,618	57,825	71,246
66,667	0,226	0,396	0,547	0,188	0,282	71,574	19,898	19,077	20,686	20,633	20,031	20,390	20,519	20,145	74,611	57,813	71,238
66,833	0,226	0,402	0,547	0,184	0,286	71,553	19,890	17,049	20,707	20,646	20,005	20,394	20,531	20,149	74,589	57,796	71,211
67,000	0,226	0,407	0,547	0,192	0,285	71,605	19,911	21,215	20,710	20,629	20,047	20,395	20,531	20,153	74,458	57,781	71,168
67,167	0,228	0,415	0,547	0,194	0,285	71,680	19,917	19,344	20,709	20,650	20,031	20,387	20,504	20,149	74,538	57,769	71,103

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
61,167	55,044	0,365	0,358	7353,479	7589,413	151,747	5,383	508,040	7,575	11,220	4,324	2017-09-15 11:06
61,333	55,032	0,365	0,358	7330,755	7532,913	172,909	5,100	509,545	7,705	11,295	4,339	2017-09-15 11:07
61,500	55,027	0,366	0,358	7320,395	7503,962	175,665	4,938	508,040	7,867	11,262	4,332	2017-09-15 11:07
61,667	55,027	0,365	0,358	7292,273	7470,962	164,546	4,822	509,279	7,640	10,967	4,275	2017-09-15 11:07
61,833	55,016	0,365	0,358	7268,023	7440,742	156,159	4,680	509,967	7,386	11,356	4,350	2017-09-15 11:07
62,000	55,006	0,365	0,358	7238,488	7404,478	152,594	4,767	507,338	7,603	11,281	4,336	2017-09-15 11:07
62,167	55,001	0,365	0,358	7211,316	7393,686	168,490	4,890	513,650	7,323	11,286	4,337	2017-09-15 11:07
62,333	54,996	0,365	0,358	7183,595	7387,274	179,195	4,786	515,118	7,617	11,100	4,301	2017-09-15 11:08
62,500	54,989	0,365	0,358	7150,867	7335,183	207,081	4,740	515,118	7,433	11,362	4,352	2017-09-15 11:08
62,667	54,981	0,365	0,358	7119,380	7298,652	182,579	4,591	515,118	7,575	11,181	4,317	2017-09-15 11:08
62,833	54,975	0,365	0,358	7103,456	7261,219	179,633	4,784	515,118	7,542	10,819	4,246	2017-09-15 11:08
63,000	54,960	0,365	0,358	7080,000	7276,350	156,420	5,115	515,118	7,286	11,264	4,333	2017-09-15 11:08
63,167	54,951	0,365	0,358	7049,935	7240,489	144,419	5,443	515,118	7,401	11,316	4,343	2017-09-15 11:08
63,333	54,943	0,365	0,358	7015,710	7180,925	148,182	5,581	515,118	7,250	11,289	4,338	2017-09-15 11:09
63,500	54,936	0,365	0,358	6984,870	7231,919	134,760	5,504	515,118	7,379	11,032	4,288	2017-09-15 11:09
63,667	54,929	0,364	0,358	6970,859	7188,269	149,026	5,656	515,118	7,478	11,234	4,327	2017-09-15 11:09
63,833	54,921	0,365	0,358	6941,126	7178,894	158,657	5,704	515,118	7,728	10,995	4,281	2017-09-15 11:09
64,000	54,916	0,364	0,358	6916,320	7203,662	161,819	5,543	515,024	7,386	11,378	4,355	2017-09-15 11:09
64,167	54,904	0,364	0,357	6899,759	7171,852	157,726	5,559	515,025	7,494	11,282	4,336	2017-09-15 11:09
64,334	54,897	0,364	0,358	6884,497	7172,196	154,689	5,731	515,025	7,750	11,218	4,324	2017-09-15 11:10
64,500	54,890	0,364	0,358	6883,072	7141,581	155,714	5,920	515,025	7,527	11,312	4,342	2017-09-15 11:10
64,667	54,881	0,365	0,358	6874,125	7153,349	149,266	6,232	515,118	7,412	11,287	4,337	2017-09-15 11:10
64,834	54,872	0,364	0,358	6860,269	7111,803	128,492	6,543	515,024	7,396	11,238	4,328	2017-09-15 11:10
65,000	54,861	0,364	0,358	6847,408	7208,263	138,123	6,351	515,024	7,645	11,227	4,326	2017-09-15 11:10
65,167	54,849	0,365	0,358	6840,159	7172,092	150,784	5,889	515,024	7,495	11,229	4,326	2017-09-15 11:10
65,334	54,839	0,364	0,358	6824,861	7141,787	173,736	5,562	515,024	7,605	11,244	4,329	2017-09-15 11:11
65,500	54,831	0,365	0,358	6815,008	7052,004	135,702	5,667	515,024	7,619	11,109	4,303	2017-09-15 11:11
65,667	54,822	0,365	0,358	6815,794	7119,270	129,089	5,864	515,024	7,442	11,234	4,327	2017-09-15 11:11
65,834	54,814	0,365	0,358	6804,525	7069,213	171,019	5,716	515,024	7,317	11,304	4,341	2017-09-15 11:11
66,000	54,806	0,365	0,358	6802,882	7150,334	195,146	5,260	515,024	7,644	11,217	4,324	2017-09-15 11:11
66,167	54,797	0,364	0,358	6781,327	7069,683	189,274	4,885	515,024	7,479	11,122	4,305	2017-09-15 11:11
66,334	54,787	0,365	0,358	6765,727	7063,136	206,674	4,791	515,024	7,370	11,156	4,312	2017-09-15 11:12
66,500	54,783	0,365	0,358	6751,433	7011,037	214,860	4,813	515,024	7,416	11,441	4,367	2017-09-15 11:12
66,667	54,778	0,364	0,358	6748,457	7007,858	168,351	4,890	515,024	7,525	11,299	4,340	2017-09-15 11:12
66,833	54,775	0,364	0,358	6739,158	7004,513	167,267	5,042	515,024	7,351	11,436	4,366	2017-09-15 11:12
67,000	54,770	0,364	0,358	6726,529	6956,556	169,793	5,186	515,024	7,687	11,383	4,356	2017-09-15 11:12
67,167	54,765	0,365	0,358	6708,059	6998,423	184,462	5,378	515,024	7,755	11,419	4,363	2017-09-15 11:12

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
67,333	0,228	0,417	0,547	0,187	0,282	71,653	20,015	17,827	20,726	20,660	20,032	20,394	20,535	20,159	74,484	57,769	71,026
67,500	0,227	0,425	0,547	0,183	0,285	71,691	20,036	17,539	20,740	20,667	20,005	20,394	20,529	20,155	74,497	57,757	70,986
67,667	0,227	0,431	0,547	0,192	0,280	71,712	20,011	20,087	20,740	20,672	20,028	20,399	20,545	20,155	74,499	57,753	70,963
67,833	0,234	0,439	0,547	0,187	0,287	71,797	19,977	19,186	20,754	20,675	20,011	20,389	20,540	20,157	74,516	57,742	70,930
68,000	0,235	0,441	0,547	0,185	0,286	71,856	19,899	19,245	20,769	20,672	20,056	20,390	20,550	20,163	74,475	57,724	70,906
68,167	0,239	0,440	0,547	0,185	0,283	71,925	19,916	22,925	20,765	20,675	20,030	20,389	20,534	20,157	74,457	57,715	70,886
68,333	0,242	0,436	0,547	0,189	0,284	71,947	19,962	25,602	20,771	20,688	20,019	20,395	20,534	20,160	74,461	57,706	70,883
68,500	0,246	0,437	0,547	0,186	0,281	72,062	19,988	21,549	20,788	20,698	20,053	20,399	20,556	20,160	74,543	57,699	70,871
68,667	0,244	0,442	0,547	0,188	0,277	72,089	19,903	20,351	20,795	20,698	20,044	20,386	20,555	20,159	74,626	57,684	70,847
68,833	0,240	0,459	0,546	0,183	0,282	72,137	19,865	19,539	20,795	20,710	20,038	20,407	20,548	20,167	74,689	57,680	70,831
69,000	0,230	0,478	0,546	0,185	0,279	72,223	19,885	21,675	20,820	20,711	20,009	20,405	20,550	20,164	74,688	57,668	70,835
69,167	0,225	0,491	0,546	0,193	0,274	72,260	19,927	18,341	20,808	20,710	20,039	20,386	20,559	20,164	74,730	57,661	70,844
69,333	0,224	0,487	0,547	0,186	0,282	72,364	19,862	17,958	20,836	20,730	20,039	20,426	20,593	20,183	74,827	57,657	70,872
69,500	0,219	0,491	0,546	0,185	0,278	72,419	19,855	20,837	20,832	20,719	20,034	20,399	20,546	20,167	74,824	57,651	70,899
69,667	0,216	0,481	0,546	0,191	0,280	72,541	19,945	25,075	20,833	20,731	20,070	20,401	20,560	20,165	74,968	57,648	70,934
69,833	0,212	0,480	0,546	0,188	0,285	72,722	19,936	24,521	20,845	20,731	20,051	20,402	20,571	20,172	75,021	57,645	70,972
70,000	0,210	0,504	0,546	0,186	0,277	72,878	19,928	20,676	20,866	20,736	20,030	20,397	20,559	20,168	75,107	57,645	71,013
70,167	0,208	0,521	0,546	0,186	0,280	72,992	19,919	19,511	20,858	20,742	20,048	20,407	20,578	20,167	75,125	57,648	71,053
70,333	0,207	0,533	0,546	0,189	0,277	73,060	19,911	18,761	20,872	20,748	20,046	20,400	20,556	20,172	75,211	57,656	71,096
70,500	0,207	0,525	0,546	0,186	0,282	73,104	19,939	18,595	20,874	20,759	20,052	20,418	20,582	20,177	75,231	57,665	71,149
70,667	0,212	0,498	0,546	0,186	0,285	73,263	19,972	20,947	20,875	20,745	20,030	20,397	20,572	20,168	75,390	57,669	71,199
70,834	0,219	0,480	0,546	0,185	0,285	73,414	20,030	24,722	20,897	20,768	20,042	20,393	20,567	20,175	75,458	57,672	71,250
71,000	0,217	0,483	0,546	0,200	0,285	73,565	19,926	19,132	20,889	20,768	20,042	20,401	20,573	20,176	75,490	57,681	71,297
71,167	0,213	0,502	0,546	0,181	0,284	73,682	19,931	16,304	20,897	20,786	20,038	20,394	20,571	20,177	75,726	57,691	71,357
71,334	0,211	0,535	0,546	0,189	0,285	73,796	19,972	17,445	20,946	20,805	20,093	20,420	20,595	20,196	75,746	57,696	71,423
71,500	0,206	0,565	0,546	0,190	0,281	73,903	19,940	20,196	20,931	20,801	20,081	20,400	20,588	20,185	75,879	57,700	71,489
71,667	0,205	0,570	0,546	0,190	0,276	73,985	19,789	20,506	20,939	20,799	20,092	20,408	20,584	20,185	76,137	57,706	71,542
71,834	0,205	0,573	0,545	0,189	0,285	74,071	19,839	24,277	20,932	20,797	20,068	20,404	20,571	20,176	76,208	57,714	71,617
72,000	0,206	0,573	0,545	0,192	0,280	74,227	19,896	24,430	20,961	20,822	20,085	20,406	20,591	20,189	76,390	57,722	71,702
72,167	0,205	0,574	0,545	0,186	0,278	74,347	19,908	17,859	20,952	20,818	20,066	20,395	20,604	20,188	76,440	57,732	71,808
72,334	0,207	0,580	0,545	0,190	0,278	74,445	19,906	377,120	20,951	20,816	20,046	20,408	20,607	20,186	76,640	57,747	71,912
72,500	0,207	0,562	0,545	0,194	0,282	74,607	19,906	14,646	20,968	20,831	20,072	20,414	20,602	20,189	76,877	57,758	72,022
72,667	0,207	0,531	0,545	0,193	0,276	74,700	19,914	17,542	20,966	20,823	20,043	20,409	20,589	20,180	76,919	57,780	72,133
72,834	0,206	0,535	0,545	0,188	0,284	74,819	19,901	23,552	20,976	20,827	20,076	20,404	20,597	20,181	76,961	57,809	72,253
73,000	0,208	0,561	0,545	0,196	0,283	74,927	19,947	21,980	21,023	20,882	20,082	20,453	20,657	20,224	77,125	57,831	72,377
73,167	0,208	0,567	0,545	0,187	0,284	75,027	19,932	18,326	21,003	20,864	20,104	20,422	20,604	20,194	77,236	57,863	72,505
73,333	0,205	0,564	0,545	0,196	0,284	75,187	19,922	21,190	21,002	20,856	20,055	20,417	20,606	20,186	77,330	57,888	72,607

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
67,333	54,762	0,365	0,358	6677,044	6980,120	185,219	5,435	515,024	7,496	11,296	4,339	2017-09-15 11:13
67,500	54,752	0,364	0,358	6651,864	6980,696	176,853	5,631	515,024	7,337	11,391	4,357	2017-09-15 11:13
67,667	54,748	0,365	0,358	6652,997	6987,193	177,145	5,772	515,024	7,669	11,208	4,322	2017-09-15 11:13
67,833	54,738	0,365	0,358	6643,452	7001,892	221,767	5,964	515,024	7,490	11,486	4,375	2017-09-15 11:13
68,000	54,730	0,365	0,358	6639,139	6994,119	229,286	6,027	515,024	7,397	11,427	4,364	2017-09-15 11:13
68,167	54,720	0,364	0,358	6638,881	6982,000	251,126	6,010	515,024	7,415	11,335	4,346	2017-09-15 11:13
68,333	54,714	0,364	0,358	6628,176	6988,113	269,159	5,898	515,024	7,558	11,373	4,354	2017-09-15 11:14
68,500	54,703	0,364	0,358	6634,620	7018,179	294,126	5,922	515,024	7,459	11,239	4,328	2017-09-15 11:14
68,667	54,698	0,364	0,358	6629,862	7067,790	284,596	6,052	515,024	7,525	11,087	4,299	2017-09-15 11:14
68,833	54,692	0,365	0,358	6620,085	7098,873	257,158	6,471	514,930	7,311	11,278	4,336	2017-09-15 11:14
69,000	54,686	0,365	0,358	6624,009	7101,696	196,668	6,958	514,930	7,397	11,153	4,311	2017-09-15 11:14
69,167	54,688	0,364	0,358	6634,303	7116,471	166,266	7,275	514,930	7,729	10,940	4,270	2017-09-15 11:14
69,333	54,699	0,365	0,358	6641,524	7170,835	160,773	7,180	515,024	7,455	11,274	4,335	2017-09-15 11:15
69,500	54,710	0,365	0,358	6648,851	7173,254	124,885	7,265	514,930	7,412	11,135	4,308	2017-09-15 11:15
69,667	54,711	0,364	0,358	6662,054	7220,600	109,139	7,026	514,930	7,654	11,206	4,322	2017-09-15 11:15
69,833	54,715	0,365	0,358	6678,277	7252,248	85,912	7,004	514,930	7,503	11,386	4,356	2017-09-15 11:15
70,000	54,711	0,364	0,358	6697,260	7285,323	68,710	7,590	514,930	7,449	11,079	4,297	2017-09-15 11:15
70,167	54,708	0,364	0,358	6706,062	7289,553	60,750	8,016	514,930	7,438	11,219	4,324	2017-09-15 11:15
70,333	54,702	0,364	0,358	6727,237	7322,922	50,327	8,328	514,930	7,552	11,097	4,301	2017-09-15 11:16
70,500	54,698	0,364	0,358	6748,658	7324,201	53,218	8,128	514,930	7,447	11,296	4,339	2017-09-15 11:16
70,667	54,692	0,365	0,358	6773,759	7396,395	82,744	7,450	514,930	7,432	11,384	4,356	2017-09-15 11:16
70,834	54,686	0,365	0,358	6800,567	7423,564	124,298	7,008	514,930	7,384	11,412	4,361	2017-09-15 11:16
71,000	54,683	0,364	0,358	6816,383	7421,182	116,328	7,081	514,837	8,001	11,386	4,356	2017-09-15 11:16
71,167	54,684	0,364	0,358	6849,189	7522,543	89,710	7,561	514,837	7,248	11,377	4,355	2017-09-15 11:16
71,334	54,692	0,364	0,358	6869,420	7526,163	75,232	8,367	514,837	7,570	11,383	4,356	2017-09-15 11:17
71,500	54,698	0,365	0,359	6902,381	7588,659	45,286	9,128	514,837	7,604	11,239	4,328	2017-09-15 11:17
71,667	54,708	0,364	0,358	6911,596	7688,041	37,690	9,255	514,837	7,591	11,056	4,293	2017-09-15 11:17
71,834	54,723	0,364	0,358	6934,126	7713,199	40,220	9,313	514,742	7,549	11,411	4,361	2017-09-15 11:17
72,000	54,742	0,364	0,358	6958,323	7786,595	43,785	9,335	514,742	7,699	11,204	4,321	2017-09-15 11:17
72,167	54,758	0,364	0,358	6989,291	7796,844	41,874	9,354	514,742	7,457	11,110	4,303	2017-09-15 11:17
72,334	54,769	0,364	0,358	7030,702	7877,379	49,636	9,509	514,742	7,613	11,122	4,305	2017-09-15 11:18
72,500	54,777	0,364	0,358	7080,852	7977,889	53,200	9,043	514,742	7,763	11,291	4,338	2017-09-15 11:18
72,667	54,778	0,364	0,358	7120,790	7974,156	53,475	8,271	514,742	7,716	11,023	4,286	2017-09-15 11:18
72,834	54,779	0,364	0,358	7171,569	7979,976	48,169	8,382	514,742	7,505	11,361	4,352	2017-09-15 11:18
73,000	54,778	0,364	0,358	7222,430	8049,673	56,762	9,013	514,742	7,825	11,340	4,347	2017-09-15 11:18
73,167	54,783	0,364	0,358	7273,632	8076,282	57,821	9,182	514,742	7,462	11,349	4,349	2017-09-15 11:18
73,333	54,789	0,364	0,358	7308,428	8105,522	36,846	9,098	514,649	7,839	11,375	4,354	2017-09-15 11:19

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
73,500	0,206	0,563	0,545	0,196	0,279	75,273	19,942	22,354	21,002	20,853	20,104	20,426	20,619	20,193	77,458	57,918	72,700
73,667	0,205	0,582	0,545	0,192	0,280	75,368	19,929	17,605	21,044	20,871	20,091	20,416	20,626	20,198	77,658	57,947	72,800
73,833	0,204	0,596	0,545	0,196	0,277	75,399	19,909	16,817	21,024	20,871	20,058	20,416	20,621	20,197	77,839	57,973	72,898
74,000	0,203	0,597	0,545	0,193	0,281	75,435	19,915	20,178	21,016	20,876	20,051	20,401	20,619	20,190	77,949	57,993	73,002
74,167	0,203	0,597	0,545	0,193	0,284	75,533	20,010	17,667	21,032	20,895	20,083	20,413	20,614	20,201	78,030	58,013	73,105
74,333	0,204	0,584	0,545	0,193	0,282	75,610	20,004	20,978	21,024	20,872	20,062	20,409	20,615	20,186	78,151	58,039	73,218
74,500	0,205	0,559	0,545	0,200	0,281	75,617	19,981	19,769	21,032	20,876	20,085	20,392	20,605	20,186	78,332	58,059	73,344
74,667	0,206	0,556	0,544	0,202	0,280	75,641	19,943	16,261	21,032	20,887	20,092	20,404	20,629	20,193	78,404	58,086	73,453
74,833	0,208	0,551	0,545	0,191	0,281	75,750	19,938	17,162	21,027	20,891	20,075	20,403	20,615	20,190	78,609	58,114	73,580
75,000	0,209	0,530	0,545	0,194	0,280	75,778	19,946	18,886	21,050	20,907	20,079	20,407	20,630	20,198	78,584	58,142	73,696
75,167	0,210	0,516	0,544	0,194	0,280	75,789	19,997	17,040	21,053	20,916	20,046	20,412	20,647	20,198	78,705	58,168	73,817
75,333	0,210	0,506	0,544	0,193	0,280	75,821	19,951	18,493	21,072	20,915	20,048	20,416	20,635	20,200	78,722	58,196	73,930
75,500	0,212	0,509	0,544	0,190	0,280	75,985	19,972	17,233	21,069	20,925	20,078	20,418	20,647	20,198	78,722	58,223	74,029
75,667	0,214	0,526	0,544	0,188	0,281	76,074	19,989	16,555	21,080	20,924	20,075	20,412	20,644	20,202	78,826	58,251	74,112
75,833	0,207	0,532	0,544	0,195	0,282	76,132	19,990	17,304	21,068	20,918	20,077	20,416	20,632	20,190	78,880	58,274	74,169
76,000	0,205	0,547	0,544	0,196	0,285	76,130	20,011	19,832	21,084	20,942	20,117	20,404	20,643	20,204	78,972	58,297	74,219
76,167	0,205	0,561	0,544	0,200	0,282	76,130	19,735	17,613	21,079	20,932	20,113	20,404	20,654	20,204	79,085	58,313	74,262
76,333	0,205	0,566	0,544	0,192	0,283	76,115	19,837	17,930	21,093	20,925	20,114	20,418	20,640	20,198	79,206	58,341	74,320
76,500	0,204	0,571	0,544	0,192	0,280	76,134	19,895	20,578	21,086	20,919	20,078	20,422	20,652	20,202	79,237	58,353	74,372
76,667	0,203	0,582	0,544	0,191	0,277	76,089	19,900	19,558	21,074	20,916	20,063	20,421	20,648	20,198	79,389	58,369	74,436
76,833	0,204	0,587	0,544	0,194	0,286	76,011	19,853	19,679	21,082	20,939	20,117	20,418	20,661	20,200	79,452	58,385	74,511
77,000	0,204	0,585	0,544	0,195	0,278	75,937	19,845	19,714	21,089	20,933	20,076	20,422	20,655	20,193	79,488	58,405	74,578
77,167	0,204	0,569	0,544	0,194	0,279	75,954	19,921	17,861	21,085	20,937	20,100	20,403	20,649	20,193	79,478	58,426	74,647
77,333	0,204	0,551	0,544	0,196	0,277	75,912	19,933	16,310	21,087	20,937	20,102	20,409	20,668	20,196	79,470	58,444	74,715
77,500	0,206	0,531	0,544	0,198	0,286	75,917	19,865	20,132	21,087	20,942	20,068	20,397	20,648	20,196	79,528	58,463	74,780
77,667	0,211	0,518	0,544	0,194	0,272	75,875	19,883	22,579	21,093	20,950	20,114	20,417	20,663	20,200	79,544	58,479	74,843
77,834	0,215	0,499	0,544	0,196	0,281	75,845	19,840	19,422	21,095	20,942	20,064	20,400	20,666	20,197	79,503	58,495	74,886
78,000	0,213	0,488	0,544	0,193	0,282	75,769	19,871	20,733	21,100	20,952	20,101	20,408	20,657	20,196	79,483	58,516	74,927
78,167	0,213	0,482	0,544	0,199	0,278	75,719	19,854	20,134	21,101	20,952	20,078	20,414	20,681	20,200	79,538	58,532	74,962
78,334	0,215	0,465	0,544	0,195	0,277	75,655	20,055	17,545	21,085	20,950	20,091	20,404	20,663	20,197	79,444	58,548	74,986
78,500	0,212	0,459	0,544	0,194	0,280	75,548	20,007	22,305	21,112	20,954	20,075	20,412	20,686	20,202	79,459	58,564	75,008
78,667	0,212	0,456	0,544	0,193	0,283	75,451	19,967	23,022	21,119	20,947	20,095	20,403	20,683	20,200	79,463	58,579	75,008
78,834	0,220	0,450	0,544	0,200	0,283	75,396	19,955	22,510	21,112	20,952	20,091	20,426	20,672	20,196	79,401	58,600	75,009
79,000	0,223	0,432	0,544	0,194	0,282	75,375	19,964	22,330	21,105	20,960	20,087	20,408	20,680	20,198	79,395	58,620	75,002
79,167	0,223	0,427	0,544	0,190	0,282	75,285	19,989	17,630	21,118	20,955	20,122	20,405	20,686	20,202	79,309	58,632	74,997
79,334	0,222	0,416	0,543	0,194	0,284	75,218	19,942	19,124	21,117	20,975	20,085	20,413	20,686	20,201	79,246	58,645	75,000
79,500	0,220	0,409	0,544	0,196	0,279	75,132	19,891	18,323	21,129	20,979	20,105	20,396	20,698	20,204	79,235	58,653	74,986

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
73,500	54,793	0,364	0,358	7356,683	8150,711	43,760	9,080	514,742	7,828	11,146	4,310	2017-09-15 11:19
73,667	54,803	0,365	0,359	7399,299	8234,992	38,795	9,555	514,649	7,693	11,182	4,317	2017-09-15 11:19
73,833	54,817	0,365	0,359	7433,572	8299,036	31,603	9,893	514,649	7,844	11,080	4,297	2017-09-15 11:19
74,000	54,826	0,364	0,358	7460,643	8322,736	26,343	9,928	514,649	7,710	11,253	4,331	2017-09-15 11:19
74,167	54,842	0,364	0,358	7498,248	8350,308	29,070	9,925	514,649	7,720	11,342	4,348	2017-09-15 11:19
74,333	54,849	0,364	0,358	7542,676	8389,449	30,978	9,592	514,649	7,721	11,293	4,338	2017-09-15 11:20
74,500	54,852	0,364	0,358	7587,272	8457,327	41,227	8,975	514,649	8,016	11,256	4,331	2017-09-15 11:20
74,667	54,857	0,364	0,358	7637,304	8475,040	47,613	8,890	514,555	8,073	11,205	4,321	2017-09-15 11:20
74,833	54,860	0,364	0,358	7687,040	8550,273	56,963	8,782	514,649	7,626	11,243	4,329	2017-09-15 11:20
75,000	54,864	0,364	0,358	7729,817	8529,091	67,039	8,245	514,619	7,746	11,199	4,320	2017-09-15 11:20
75,167	54,866	0,365	0,358	7781,444	8576,353	73,109	7,898	514,555	7,762	11,215	4,323	2017-09-15 11:20
75,333	54,870	0,365	0,358	7820,904	8571,793	73,307	7,644	514,555	7,736	11,182	4,317	2017-09-15 11:21
75,500	54,876	0,364	0,358	7864,154	8545,412	81,347	7,731	514,554	7,592	11,209	4,322	2017-09-15 11:21
75,667	54,886	0,364	0,358	7893,355	8583,319	93,494	8,145	514,555	7,507	11,255	4,331	2017-09-15 11:21
75,833	54,893	0,365	0,359	7923,068	8600,022	53,843	8,291	514,555	7,782	11,270	4,334	2017-09-15 11:21
76,000	54,905	0,365	0,358	7930,860	8627,882	40,828	8,669	514,555	7,835	11,412	4,361	2017-09-15 11:21
76,167	54,913	0,365	0,359	7950,912	8669,929	40,195	9,030	514,555	8,000	11,286	4,337	2017-09-15 11:21
76,333	54,921	0,365	0,359	7975,087	8711,162	36,996	9,160	514,555	7,668	11,320	4,344	2017-09-15 11:22
76,500	54,932	0,365	0,358	7985,348	8718,165	30,530	9,284	514,462	7,683	11,196	4,320	2017-09-15 11:22
76,667	54,935	0,365	0,358	8010,305	8776,929	29,494	9,553	514,462	7,638	11,080	4,297	2017-09-15 11:22
76,833	54,936	0,365	0,358	8033,833	8797,264	35,804	9,681	514,462	7,755	11,429	4,364	2017-09-15 11:22
77,000	54,941	0,365	0,358	8060,802	8798,066	33,476	9,622	514,462	7,808	11,135	4,308	2017-09-15 11:22
77,167	54,945	0,365	0,358	8092,539	8785,938	34,324	9,234	514,462	7,771	11,160	4,313	2017-09-15 11:22
77,333	54,955	0,365	0,358	8112,768	8784,129	33,705	8,771	514,462	7,830	11,084	4,298	2017-09-15 11:23
77,500	54,963	0,364	0,358	8138,969	8787,100	46,901	8,282	514,462	7,924	11,420	4,363	2017-09-15 11:23
77,667	54,975	0,365	0,358	8156,469	8793,173	78,550	7,947	514,462	7,773	10,892	4,261	2017-09-15 11:23
77,834	54,989	0,365	0,359	8178,356	8773,138	101,016	7,481	514,462	7,829	11,231	4,327	2017-09-15 11:23
78,000	55,001	0,365	0,359	8187,784	8755,294	88,219	7,194	514,462	7,724	11,285	4,337	2017-09-15 11:23
78,167	55,015	0,365	0,358	8192,346	8776,091	91,357	7,047	514,462	7,945	11,122	4,306	2017-09-15 11:23
78,334	55,027	0,365	0,359	8212,613	8730,623	100,724	6,630	514,462	7,810	11,074	4,296	2017-09-15 11:24
78,500	55,040	0,365	0,359	8212,236	8730,628	84,245	6,481	514,462	7,768	11,195	4,320	2017-09-15 11:24
78,667	55,046	0,365	0,358	8189,163	8718,129	84,429	6,389	514,462	7,733	11,339	4,347	2017-09-15 11:24
78,834	55,056	0,365	0,358	8193,132	8683,709	136,021	6,256	514,462	8,006	11,313	4,342	2017-09-15 11:24
79,000	55,064	0,365	0,358	8182,704	8675,880	148,633	5,800	514,462	7,768	11,283	4,336	2017-09-15 11:24
79,167	55,072	0,365	0,359	8189,515	8639,904	151,754	5,676	514,462	7,595	11,269	4,334	2017-09-15 11:24
79,334	55,079	0,365	0,358	8184,144	8605,937	148,394	5,391	514,319	7,780	11,341	4,348	2017-09-15 11:25
79,500	55,089	0,365	0,359	8176,146	8603,831	134,788	5,237	514,462	7,851	11,164	4,314	2017-09-15 11:25

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
79,667	0,215	0,421	0,543	0,187	0,279	75,003	19,916	16,239	21,122	20,976	20,119	20,408	20,697	20,205	79,197	58,653	74,965
79,834	0,216	0,434	0,544	0,197	0,281	74,941	19,912	15,141	21,129	20,968	20,088	20,403	20,691	20,201	79,132	58,661	74,943
80,000	0,221	0,445	0,544	0,195	0,275	74,861	19,920	16,693	21,134	20,975	20,108	20,424	20,701	20,206	79,034	58,671	74,924
80,167	0,217	0,435	0,544	0,196	0,283	74,794	19,975	17,845	21,139	20,986	20,104	20,411	20,695	20,206	78,951	58,675	74,892
80,333	0,224	0,424	0,544	0,199	0,282	74,682	19,964	17,887	21,133	20,989	20,093	20,412	20,707	20,209	78,884	58,678	74,865
80,500	0,220	0,418	0,544	0,197	0,280	74,585	19,960	15,156	21,146	20,988	20,105	20,407	20,712	20,209	78,837	58,682	74,824
80,667	0,219	0,431	0,544	0,196	0,272	74,494	19,947	15,018	21,131	20,987	20,105	20,412	20,714	20,209	78,815	58,688	74,782
80,833	0,221	0,452	0,543	0,194	0,276	74,404	19,955	18,806	21,155	20,985	20,095	20,408	20,716	20,209	78,729	58,693	74,736
81,000	0,218	0,458	0,544	0,192	0,277	74,354	19,958	20,339	21,147	20,983	20,139	20,419	20,724	20,216	78,668	58,692	74,686
81,167	0,217	0,461	0,543	0,191	0,280	74,264	19,950	18,571	21,153	20,999	20,111	20,432	20,735	20,222	78,641	58,708	74,639
81,333	0,215	0,453	0,544	0,191	0,282	74,200	19,970	16,131	21,154	21,007	20,112	20,433	20,747	20,229	78,559	58,714	74,595
81,500	0,218	0,443	0,544	0,193	0,281	74,060	19,964	15,567	21,154	21,000	20,133	20,427	20,737	20,222	78,468	58,709	74,547
81,667	0,228	0,428	0,544	0,195	0,284	73,967	19,944	14,336	21,153	21,003	20,120	20,427	20,738	20,225	78,405	58,706	74,507
81,833	0,231	0,406	0,544	0,190	0,283	73,854	19,958	18,393	21,146	21,006	20,108	20,427	20,743	20,220	78,317	58,700	74,455
82,000	0,226	0,400	0,544	0,188	0,279	73,770	20,059	20,117	21,164	21,018	20,149	20,441	20,753	20,234	78,193	58,689	74,409
82,167	0,225	0,409	0,544	0,188	0,276	73,635	20,006	20,902	21,150	20,988	20,122	20,425	20,748	20,214	78,137	58,678	74,351
82,333	0,230	0,427	0,544	0,186	0,279	73,629	20,035	18,826	21,145	21,017	20,113	20,423	20,753	20,222	78,006	58,666	74,303
82,500	0,227	0,443	0,544	0,183	0,289	73,560	19,994	20,137	21,145	21,009	20,118	20,431	20,747	20,220	77,987	58,650	74,237
82,667	0,225	0,446	0,544	0,190	0,281	73,497	20,022	17,523	21,155	21,004	20,148	20,420	20,743	20,217	77,906	58,645	74,164
82,833	0,228	0,437	0,544	0,191	0,283	73,413	20,030	17,378	21,164	21,021	20,124	20,435	20,769	20,232	77,771	58,635	74,095
83,000	0,227	0,422	0,544	0,192	0,284	73,362	19,997	18,736	21,155	20,992	20,112	20,424	20,754	20,221	77,840	58,626	74,038
83,167	0,227	0,412	0,543	0,189	0,283	73,271	19,853	16,445	21,162	20,997	20,124	20,432	20,753	20,217	77,667	58,637	73,977
83,333	0,226	0,404	0,543	0,188	0,283	73,203	19,887	19,785	21,149	21,006	20,139	20,429	20,770	20,220	77,520	58,619	73,906
83,500	0,229	0,409	0,544	0,190	0,282	73,103	19,929	19,797	21,175	21,022	20,125	20,441	20,761	20,226	77,508	58,611	73,840
83,667	0,230	0,410	0,544	0,192	0,285	72,995	19,921	15,097	21,173	21,018	20,129	20,420	20,761	20,218	77,358	58,599	73,767
83,833	0,233	0,414	0,544	0,190	0,280	72,889	19,964	15,718	21,166	21,018	20,133	20,436	20,778	20,226	77,263	58,569	73,696
84,000	0,231	0,416	0,544	0,191	0,280	72,858	19,838	17,045	21,184	21,033	20,116	20,429	20,774	20,229	77,209	58,552	73,627
84,167	0,235	0,407	0,544	0,187	0,278	72,755	19,951	17,985	21,160	21,025	20,126	20,436	20,781	20,221	77,017	58,538	73,563
84,334	0,233	0,399	0,544	0,188	0,279	72,665	19,965	18,256	21,184	21,029	20,151	20,439	20,785	20,237	77,064	58,509	73,490
84,500	0,228	0,397	0,544	0,190	0,282	72,599	20,030	17,479	21,188	21,041	20,120	20,469	20,802	20,244	76,912	58,501	73,418
84,667	0,228	0,397	0,544	0,195	0,277	72,506	20,014	14,772	21,192	21,051	20,151	20,443	20,804	20,236	76,926	58,485	73,334
84,834	0,227	0,388	0,544	0,185	0,285	72,412	19,840	17,611	21,167	21,034	20,116	20,424	20,778	20,224	76,784	58,478	73,249
85,000	0,226	0,387	0,544	0,191	0,286	72,312	19,809	13,785	21,179	21,021	20,124	20,429	20,789	20,229	76,648	58,461	73,185
85,167	0,230	0,403	0,544	0,186	0,285	72,235	19,901	16,143	21,204	21,038	20,155	20,432	20,800	20,234	76,524	58,435	73,108
85,334	0,229	0,409	0,544	0,186	0,286	72,168	20,052	20,767	21,204	21,050	20,137	20,453	20,827	20,242	76,394	58,426	73,033
85,500	0,232	0,409	0,544	0,189	0,275	72,109	20,013	17,054	21,217	21,062	20,148	20,464	20,830	20,258	76,362	58,400	72,954
85,667	0,230	0,398	0,544	0,189	0,276	72,051	20,021	20,378	21,219	21,065	20,183	20,465	20,836	20,261	76,183	58,379	72,869

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
79,667	55,098	0,365	0,358	8154,125	8577,281	101,339	5,514	514,320	7,487	11,145	4,310	2017-09-15 11:25
79,834	55,109	0,365	0,358	8137,119	8545,928	107,704	5,841	514,462	7,864	11,231	4,326	2017-09-15 11:25
80,000	55,122	0,365	0,358	8136,080	8503,942	136,660	6,114	514,462	7,787	11,004	4,283	2017-09-15 11:25
80,167	55,137	0,365	0,358	8115,820	8471,248	111,272	5,872	514,462	7,859	11,324	4,344	2017-09-15 11:25
80,333	55,151	0,365	0,358	8088,617	8430,484	154,884	5,594	514,462	7,980	11,270	4,334	2017-09-15 11:26
80,500	55,161	0,365	0,358	8068,882	8417,001	134,211	5,456	514,462	7,886	11,202	4,321	2017-09-15 11:26
80,667	55,173	0,365	0,358	8045,877	8403,454	123,555	5,786	514,462	7,822	10,871	4,257	2017-09-15 11:26
80,833	55,178	0,365	0,359	8042,587	8374,396	137,477	6,306	514,320	7,751	11,030	4,288	2017-09-15 11:26
81,000	55,169	0,365	0,359	8019,438	8350,113	119,034	6,442	514,462	7,680	11,097	4,301	2017-09-15 11:26
81,167	55,153	0,365	0,358	7998,179	8322,174	112,349	6,515	514,320	7,650	11,202	4,321	2017-09-15 11:26
81,333	55,141	0,364	0,358	7972,965	8277,368	98,907	6,326	514,462	7,624	11,296	4,339	2017-09-15 11:27
81,500	55,138	0,365	0,358	7965,118	8248,010	122,578	6,087	514,462	7,721	11,249	4,330	2017-09-15 11:27
81,667	55,137	0,365	0,358	7943,404	8228,191	182,443	5,693	514,462	7,799	11,376	4,354	2017-09-15 11:27
81,833	55,141	0,366	0,358	7925,645	8208,999	198,711	5,149	514,462	7,615	11,327	4,345	2017-09-15 11:27
82,000	55,153	0,365	0,358	7898,214	8142,818	171,461	5,000	514,462	7,502	11,163	4,313	2017-09-15 11:27
82,167	55,159	0,365	0,358	7866,817	8121,731	164,949	5,222	514,462	7,533	11,060	4,293	2017-09-15 11:27
82,333	55,170	0,365	0,358	7844,416	8068,601	194,510	5,673	514,462	7,439	11,174	4,315	2017-09-15 11:28
82,500	55,178	0,364	0,357	7801,505	8064,773	174,619	6,066	514,462	7,310	11,562	4,390	2017-09-15 11:28
82,667	55,174	0,365	0,357	7778,163	8036,748	164,394	6,162	514,462	7,618	11,234	4,327	2017-09-15 11:28
82,833	55,163	0,365	0,358	7757,666	7990,292	182,975	5,916	514,462	7,622	11,325	4,345	2017-09-15 11:28
83,000	55,146	0,365	0,357	7738,852	8024,378	176,294	5,561	514,462	7,666	11,363	4,352	2017-09-15 11:28
83,167	55,130	0,364	0,358	7729,516	7935,020	173,987	5,298	514,320	7,567	11,332	4,346	2017-09-15 11:28
83,333	55,118	0,364	0,358	7705,696	7881,521	169,574	5,099	514,319	7,525	11,339	4,347	2017-09-15 11:29
83,500	55,115	0,365	0,358	7674,975	7889,961	188,433	5,213	514,462	7,614	11,293	4,338	2017-09-15 11:29
83,667	55,111	0,365	0,358	7659,444	7833,002	194,722	5,256	514,462	7,666	11,389	4,357	2017-09-15 11:29
83,833	55,117	0,365	0,358	7628,350	7809,375	211,073	5,358	514,462	7,598	11,216	4,324	2017-09-15 11:29
84,000	55,117	0,365	0,358	7590,072	7784,423	200,590	5,408	514,462	7,645	11,195	4,320	2017-09-15 11:29
84,167	55,109	0,364	0,358	7564,689	7707,994	226,798	5,180	514,462	7,480	11,114	4,304	2017-09-15 11:29
84,334	55,106	0,365	0,358	7532,532	7744,206	212,341	4,987	514,462	7,512	11,154	4,312	2017-09-15 11:30
84,500	55,094	0,365	0,358	7507,485	7681,175	179,865	4,930	514,462	7,590	11,281	4,336	2017-09-15 11:30
84,667	55,076	0,365	0,358	7489,012	7706,080	182,152	4,913	514,462	7,796	11,063	4,294	2017-09-15 11:30
84,834	55,064	0,365	0,358	7460,946	7646,316	175,057	4,707	514,462	7,400	11,392	4,357	2017-09-15 11:30
85,000	55,048	0,365	0,358	7439,649	7590,286	171,440	4,673	514,462	7,624	11,438	4,366	2017-09-15 11:30
85,167	55,035	0,365	0,358	7411,703	7548,680	193,054	5,066	514,462	7,445	11,391	4,357	2017-09-15 11:30
85,334	55,022	0,365	0,358	7386,004	7506,676	189,490	5,232	514,462	7,436	11,423	4,363	2017-09-15 11:31
85,500	55,016	0,364	0,358	7354,948	7489,431	207,095	5,227	514,543	7,542	10,993	4,280	2017-09-15 11:31
85,667	55,014	0,365	0,358	7317,812	7427,898	197,251	4,949	514,462	7,566	11,035	4,289	2017-09-15 11:31

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
85,834	0,236	0,389	0,544	0,192	0,286	71,960	19,962	21,539	21,191	21,047	20,157	20,431	20,813	20,233	76,086	58,350	72,786
86,000	0,238	0,391	0,544	0,187	0,284	71,939	19,988	18,038	21,225	21,084	20,165	20,479	20,855	20,275	75,978	58,336	72,708
86,167	0,235	0,398	0,543	0,186	0,278	71,867	19,949	23,114	21,211	21,066	20,167	20,459	20,846	20,252	75,950	58,306	72,626
86,334	0,227	0,417	0,543	0,186	0,282	71,805	19,990	21,784	21,206	21,052	20,180	20,451	20,829	20,245	75,871	58,299	72,531
86,500	0,225	0,444	0,543	0,184	0,281	71,798	19,980	17,818	21,175	21,052	20,136	20,452	20,832	20,240	75,807	58,277	72,437
86,667	0,221	0,462	0,544	0,186	0,285	71,764	19,868	20,947	21,220	21,071	20,164	20,456	20,840	20,256	75,832	58,262	72,354
86,833	0,217	0,489	0,544	0,184	0,278	71,676	19,888	18,977	21,206	21,049	20,182	20,465	20,829	20,246	75,819	58,244	72,271
87,000	0,215	0,510	0,544	0,188	0,282	71,598	19,937	15,487	21,203	21,058	20,149	20,455	20,825	20,244	75,766	58,224	72,187
87,167	0,218	0,500	0,544	0,183	0,282	71,502	19,995	17,300	21,209	21,055	20,148	20,462	20,846	20,249	75,808	58,201	72,134
87,333	0,226	0,475	0,544	0,185	0,287	71,446	20,066	22,263	21,196	21,051	20,157	20,455	20,852	20,250	75,770	58,180	72,107
87,500	0,232	0,446	0,543	0,188	0,282	71,430	20,091	24,563	21,219	21,067	20,174	20,469	20,868	20,264	75,576	58,148	72,075
87,667	0,228	0,428	0,544	0,190	0,282	71,332	20,054	23,746	21,208	21,049	20,195	20,461	20,859	20,252	75,604	58,127	72,041
87,833	0,225	0,421	0,543	0,189	0,279	71,257	19,999	24,283	21,221	21,085	20,157	20,465	20,862	20,256	75,370	58,103	72,018
88,000	0,224	0,422	0,543	0,188	0,280	71,255	20,013	22,287	21,236	21,094	20,189	20,481	20,891	20,279	75,288	58,084	71,988
88,167	0,225	0,425	0,544	0,188	0,280	71,166	19,987	20,351	21,210	21,068	20,184	20,443	20,853	20,246	75,181	58,059	71,930
88,333	0,228	0,430	0,543	0,184	0,282	71,113	20,000	23,164	21,217	21,064	20,170	20,451	20,886	20,257	75,193	58,040	71,867
88,500	0,232	0,428	0,543	0,185	0,280	71,122	20,028	23,421	21,228	21,086	20,166	20,473	20,878	20,269	75,216	58,044	71,774
88,667	0,236	0,421	0,544	0,189	0,282	71,108	20,067	24,536	21,241	21,078	20,181	20,461	20,865	20,262	75,145	58,029	71,693
88,833	0,238	0,416	0,543	0,186	0,282	71,088	19,928	27,409	21,230	21,079	20,177	20,446	20,886	20,253	75,016	58,000	71,620
89,000	0,230	0,417	0,543	0,187	0,279	71,080	19,880	27,536	21,230	21,072	20,160	20,457	20,873	20,253	74,948	57,998	71,565
89,167	0,233	0,422	0,543	0,189	0,284	71,067	19,963	30,586	21,229	21,081	20,177	20,473	20,888	20,261	74,891	57,980	71,538
89,333	0,234	0,430	0,543	0,181	0,281	71,085	19,965	22,422	21,216	21,068	20,158	20,464	20,880	20,249	74,767	57,961	71,495
89,500	0,228	0,443	0,543	0,190	0,282	71,089	19,972	18,509	21,221	21,068	20,178	20,452	20,892	20,252	74,894	57,941	71,443
89,667	0,228	0,445	0,543	0,181	0,275	71,103	19,971	24,886	21,217	21,054	20,150	20,459	20,876	20,249	74,810	57,918	71,376
89,833	0,225	0,441	0,543	0,189	0,283	71,067	20,058	25,750	21,220	21,085	20,194	20,468	20,896	20,260	74,816	57,900	71,312
90,000	0,226	0,433	0,543	0,188	0,281	71,048	20,053	24,105	21,216	21,072	20,157	20,452	20,897	20,260	74,815	57,886	71,249
90,167	0,229	0,428	0,543	0,182	0,279	71,057	20,041	27,904	21,235	21,064	20,153	20,469	20,886	20,257	74,676	57,867	71,227
90,333	0,226	0,420	0,543	0,186	0,282	71,062	20,034	29,296	21,237	21,092	20,181	20,476	20,912	20,264	74,586	57,851	71,195
90,500	0,231	0,415	0,543	0,185	0,278	71,101	20,064	28,138	21,225	21,070	20,160	20,468	20,904	20,258	74,705	57,831	71,163
90,667	0,236	0,414	0,543	0,184	0,279	71,065	20,040	27,908	21,224	21,084	20,173	20,474	20,912	20,258	74,623	57,805	71,137
90,833	0,234	0,420	0,543	0,183	0,282	71,086	20,057	30,463	21,213	21,088	20,166	20,460	20,905	20,258	74,531	57,801	71,090
91,000	0,236	0,437	0,543	0,183	0,281	71,045	20,110	19,778	21,232	21,101	20,183	20,472	20,917	20,265	74,484	57,792	71,053
91,167	0,228	0,445	0,543	0,180	0,278	71,054	20,041	30,843	21,226	21,079	20,173	20,460	20,904	20,253	74,500	57,778	71,025
91,334	0,224	0,455	0,543	0,185	0,276	71,098	20,093	25,198	21,228	21,089	20,198	20,469	20,908	20,256	74,506	57,769	70,998
91,500	0,223	0,466	0,543	0,185	0,279	71,057	20,095	28,787	21,236	21,093	20,173	20,465	20,921	20,264	74,626	57,759	70,971
91,667	0,224	0,469	0,543	0,184	0,284	71,076	20,036	21,996	21,243	21,091	20,206	20,452	20,930	20,265	74,581	57,751	70,933
91,834	0,227	0,464	0,543	0,176	0,279	71,087	20,115	20,200	21,241	21,079	20,188	20,467	20,913	20,260	74,458	57,741	70,920

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
85,834	55,011	0,364	0,357	7281,266	7392,959	233,514	4,715	514,462	7,669	11,435	4,366	2017-09-15 11:31
86,000	55,012	0,365	0,358	7251,889	7363,608	245,887	4,771	514,462	7,488	11,346	4,349	2017-09-15 11:31
86,167	55,007	0,364	0,358	7218,304	7358,493	224,627	4,955	514,402	7,421	11,107	4,303	2017-09-15 11:31
86,334	55,000	0,365	0,357	7180,490	7333,123	179,243	5,417	514,320	7,456	11,269	4,334	2017-09-15 11:32
86,500	54,987	0,364	0,357	7145,280	7308,770	162,684	6,096	514,319	7,351	11,240	4,328	2017-09-15 11:32
86,667	54,972	0,365	0,357	7120,125	7334,360	138,339	6,550	514,462	7,440	11,418	4,362	2017-09-15 11:32
86,833	54,960	0,365	0,358	7099,001	7340,533	111,338	7,235	514,462	7,364	11,115	4,304	2017-09-15 11:32
87,000	54,947	0,365	0,358	7068,207	7318,868	99,324	7,745	514,462	7,502	11,274	4,335	2017-09-15 11:32
87,167	54,931	0,364	0,357	7045,768	7344,693	117,756	7,496	514,462	7,325	11,289	4,338	2017-09-15 11:32
87,333	54,922	0,364	0,358	7041,210	7327,538	170,595	6,874	514,462	7,390	11,469	4,372	2017-09-15 11:33
87,500	54,920	0,364	0,357	7022,117	7261,850	207,317	6,151	514,320	7,538	11,277	4,335	2017-09-15 11:33
87,667	54,910	0,365	0,358	7026,493	7291,488	185,292	5,694	514,462	7,581	11,284	4,337	2017-09-15 11:33
87,833	54,909	0,365	0,358	7013,212	7209,053	165,610	5,536	514,320	7,564	11,162	4,313	2017-09-15 11:33
88,000	54,906	0,364	0,358	6998,412	7171,681	158,459	5,546	514,320	7,530	11,205	4,322	2017-09-15 11:33
88,167	54,897	0,364	0,358	6982,878	7141,096	161,187	5,621	514,462	7,513	11,190	4,319	2017-09-15 11:33
88,333	54,889	0,364	0,357	6950,857	7148,514	180,150	5,752	514,320	7,380	11,267	4,333	2017-09-15 11:34
88,500	54,874	0,364	0,357	6923,131	7158,305	205,427	5,696	514,320	7,416	11,209	4,322	2017-09-15 11:34
88,667	54,865	0,364	0,358	6894,312	7138,818	232,052	5,523	514,462	7,556	11,299	4,340	2017-09-15 11:34
88,833	54,850	0,365	0,358	6874,137	7102,018	243,132	5,400	514,319	7,425	11,288	4,337	2017-09-15 11:34
89,000	54,835	0,364	0,358	6863,041	7069,142	192,644	5,432	514,319	7,462	11,164	4,313	2017-09-15 11:34
89,167	54,825	0,364	0,357	6844,812	7049,094	216,528	5,548	514,319	7,552	11,353	4,350	2017-09-15 11:34
89,333	54,810	0,364	0,357	6829,555	7005,174	218,838	5,746	514,319	7,241	11,239	4,328	2017-09-15 11:35
89,500	54,803	0,364	0,357	6816,797	7061,308	184,820	6,065	514,319	7,606	11,276	4,335	2017-09-15 11:35
89,667	54,797	0,364	0,357	6791,205	7044,833	182,405	6,137	514,320	7,222	10,995	4,281	2017-09-15 11:35
89,833	54,787	0,365	0,357	6767,358	7059,905	166,989	6,013	514,320	7,579	11,309	4,342	2017-09-15 11:35
90,000	54,782	0,364	0,357	6745,270	7057,684	169,998	5,822	514,319	7,508	11,242	4,329	2017-09-15 11:35
90,167	54,778	0,364	0,357	6738,071	7009,949	189,920	5,711	514,319	7,289	11,166	4,314	2017-09-15 11:35
90,333	54,773	0,365	0,358	6730,050	6982,594	173,003	5,494	514,319	7,441	11,261	4,332	2017-09-15 11:36
90,500	54,774	0,364	0,358	6715,549	7032,823	201,946	5,377	514,319	7,416	11,138	4,308	2017-09-15 11:36
90,667	54,770	0,364	0,358	6706,674	7008,014	234,150	5,351	514,320	7,374	11,152	4,311	2017-09-15 11:36
90,833	54,759	0,364	0,357	6687,664	6969,766	221,576	5,510	514,320	7,324	11,299	4,339	2017-09-15 11:36
91,000	54,754	0,364	0,357	6667,199	6948,619	230,752	5,916	514,319	7,324	11,237	4,328	2017-09-15 11:36
91,167	54,744	0,364	0,357	6669,461	6968,217	182,586	6,134	514,319	7,200	11,109	4,303	2017-09-15 11:36
91,334	54,734	0,364	0,358	6671,648	6977,813	154,891	6,380	514,371	7,416	11,050	4,291	2017-09-15 11:37
91,500	54,727	0,364	0,358	6661,647	7034,968	148,863	6,644	514,320	7,399	11,146	4,310	2017-09-15 11:37
91,667	54,716	0,364	0,358	6649,894	7020,258	155,760	6,721	514,319	7,378	11,354	4,350	2017-09-15 11:37
91,834	54,710	0,365	0,358	6645,439	6977,733	178,083	6,588	514,319	7,037	11,141	4,309	2017-09-15 11:37

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
92,000	0,222	0,457	0,543	0,185	0,277	71,074	19,994	27,684	21,246	21,081	20,208	20,472	20,935	20,260	74,398	57,730	70,909
92,167	0,218	0,462	0,543	0,184	0,277	71,121	19,976	22,291	21,238	21,093	20,181	20,463	20,930	20,261	74,439	57,714	70,906
92,334	0,221	0,468	0,543	0,183	0,281	71,245	19,948	23,590	21,229	21,083	20,172	20,478	20,938	20,261	74,372	57,699	70,891
92,500	0,222	0,465	0,543	0,186	0,276	71,332	20,000	27,226	21,245	21,105	20,174	20,467	20,938	20,261	74,226	57,694	70,864
92,667	0,221	0,468	0,543	0,191	0,280	71,421	20,115	24,619	21,245	21,100	20,164	20,458	20,938	20,261	74,425	57,683	70,828
92,834	0,218	0,475	0,543	0,194	0,281	71,493	20,143	25,969	21,239	21,105	20,187	20,475	20,955	20,264	74,550	57,680	70,805
93,000	0,215	0,472	0,543	0,188	0,277	71,560	20,139	21,601	21,244	21,110	20,185	20,476	20,960	20,272	74,514	57,676	70,767
93,167	0,215	0,462	0,543	0,184	0,282	71,686	20,101	26,009	21,253	21,099	20,195	20,480	20,943	20,265	74,520	57,661	70,728
93,334	0,219	0,455	0,543	0,179	0,280	71,710	20,105	23,151	21,243	21,100	20,194	20,475	20,952	20,265	74,483	57,656	70,733
93,500	0,216	0,462	0,543	0,188	0,280	71,857	20,061	27,278	21,250	21,122	20,185	20,478	20,959	20,266	74,612	57,655	70,773
93,667	0,210	0,479	0,543	0,192	0,279	71,967	20,031	29,068	21,250	21,112	20,187	20,471	20,962	20,265	74,678	57,644	70,805
93,833	0,213	0,482	0,543	0,188	0,278	72,181	19,987	24,800	21,263	21,092	20,189	20,482	20,951	20,265	74,754	57,640	70,804
94,000	0,218	0,464	0,543	0,181	0,279	72,290	20,027	22,395	21,250	21,100	20,179	20,462	20,967	20,266	74,821	57,641	70,791
94,167	0,220	0,454	0,543	0,193	0,277	72,407	20,020	23,841	21,262	21,121	20,187	20,475	20,956	20,266	74,916	57,643	70,828
94,333	0,219	0,449	0,543	0,186	0,280	72,605	20,052	25,085	21,263	21,105	20,197	20,464	20,967	20,270	75,017	57,645	70,874
94,500	0,214	0,465	0,543	0,190	0,273	72,831	20,140	26,111	21,271	21,118	20,190	20,477	20,975	20,270	75,073	57,638	70,928
94,667	0,211	0,488	0,543	0,180	0,275	73,011	20,172	18,711	21,263	21,117	20,193	20,477	20,976	20,270	75,115	57,637	70,980
94,833	0,209	0,510	0,543	0,184	0,279	73,112	20,178	18,237	21,267	21,122	20,195	20,468	20,977	20,274	75,288	57,641	71,041
95,000	0,209	0,512	0,542	0,189	0,280	73,191	20,207	21,392	21,276	21,125	20,194	20,479	20,980	20,275	75,475	57,641	71,098
95,167	0,208	0,519	0,542	0,194	0,279	73,442	20,190	24,937	21,272	21,113	20,206	20,479	20,992	20,275	75,444	57,648	71,154
95,333	0,209	0,525	0,542	0,187	0,273	73,643	20,169	21,785	21,281	21,135	20,215	20,477	20,998	20,277	75,584	57,659	71,218
95,500	0,208	0,517	0,542	0,192	0,272	73,744	20,105	19,004	21,279	21,110	20,193	20,479	20,992	20,275	75,759	57,668	71,300
95,667	0,210	0,513	0,542	0,185	0,274	73,867	20,088	19,597	21,279	21,126	20,202	20,487	20,992	20,278	75,917	57,679	71,393
95,833	0,215	0,505	0,542	0,184	0,277	73,972	20,121	16,991	21,285	21,116	20,201	20,481	21,006	20,281	76,002	57,695	71,469
96,000	0,213	0,508	0,542	0,193	0,272	74,137	20,146	16,744	21,296	21,128	20,214	20,492	21,004	20,286	76,014	57,719	71,559
96,167	0,207	0,521	0,542	0,186	0,278	74,287	20,122	17,651	21,300	21,136	20,222	20,493	21,019	20,286	76,080	57,738	71,665
96,333	0,206	0,528	0,542	0,188	0,281	74,346	20,114	18,023	21,295	21,124	20,205	20,487	21,008	20,282	76,218	57,758	71,771
96,500	0,209	0,517	0,542	0,195	0,277	74,514	20,018	17,497	21,288	21,139	20,231	20,499	21,025	20,289	76,289	57,781	71,853
96,667	0,208	0,519	0,542	0,195	0,274	74,635	20,075	17,484	21,303	21,133	20,219	20,491	21,015	20,286	76,382	57,800	71,907
96,833	0,207	0,536	0,542	0,197	0,280	74,729	20,136	16,571	21,301	21,128	20,220	20,499	21,022	20,290	76,549	57,810	71,990
97,000	0,206	0,550	0,542	0,191	0,276	74,931	20,147	-6,011	21,300	21,133	20,239	20,492	21,026	20,289	76,698	57,831	72,068
97,167	0,206	0,558	0,542	0,186	0,280	75,124	20,159	65,569	21,319	21,156	20,231	20,498	21,058	20,311	76,819	57,841	72,150
97,333	0,206	0,574	0,542	0,193	0,275	75,217	20,145	23,396	21,314	21,150	20,228	20,501	21,046	20,294	77,075	57,851	72,233
97,500	0,204	0,588	0,541	0,199	0,272	75,268	20,189	16,997	21,325	21,150	20,240	20,505	21,027	20,299	77,230	57,871	72,341
97,667	0,205	0,570	0,542	0,192	0,274	75,326	20,189	14,166	21,315	21,132	20,223	20,504	21,043	20,298	77,323	57,894	72,457
97,833	0,205	0,557	0,541	0,189	0,275	75,385	20,038	14,899	21,325	21,141	20,214	20,491	21,056	20,289	77,530	57,910	72,584
98,000	0,204	0,559	0,542	0,190	0,279	75,450	20,121	17,898	21,307	21,137	20,218	20,507	21,050	20,299	77,555	57,935	72,703

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
92,000	54,700	0,365	0,358	6644,220	6954,999	142,699	6,428	514,320	7,410	11,068	4,295	2017-09-15 11:37
92,167	54,692	0,364	0,358	6642,905	6974,545	123,457	6,556	514,319	7,365	11,084	4,298	2017-09-15 11:37
92,334	54,690	0,364	0,358	6642,099	6948,575	141,688	6,702	514,320	7,316	11,238	4,328	2017-09-15 11:38
92,500	54,690	0,364	0,358	6635,042	6885,850	147,501	6,632	514,319	7,455	11,049	4,291	2017-09-15 11:38
92,667	54,692	0,364	0,358	6614,307	6982,500	139,676	6,701	514,320	7,653	11,215	4,323	2017-09-15 11:38
92,834	54,700	0,364	0,358	6612,738	7033,171	118,089	6,866	514,319	7,756	11,254	4,331	2017-09-15 11:38
93,000	54,704	0,364	0,358	6592,558	7024,887	99,338	6,810	514,226	7,522	11,092	4,300	2017-09-15 11:38
93,167	54,704	0,364	0,358	6572,509	7029,875	102,301	6,561	514,225	7,371	11,274	4,335	2017-09-15 11:38
93,334	54,702	0,364	0,358	6571,681	7003,776	125,747	6,368	514,225	7,141	11,204	4,321	2017-09-15 11:39
93,500	54,695	0,364	0,358	6589,334	7063,102	104,994	6,558	514,226	7,515	11,213	4,323	2017-09-15 11:39
93,667	54,687	0,364	0,357	6603,109	7099,510	70,187	6,984	514,226	7,676	11,160	4,313	2017-09-15 11:39
93,833	54,680	0,364	0,358	6613,988	7135,638	90,203	7,045	514,225	7,524	11,130	4,307	2017-09-15 11:39
94,000	54,673	0,364	0,358	6614,766	7163,952	118,805	6,607	514,226	7,248	11,164	4,314	2017-09-15 11:39
94,167	54,669	0,365	0,358	6627,211	7208,192	132,171	6,351	514,225	7,701	11,085	4,298	2017-09-15 11:39
94,333	54,663	0,364	0,358	6653,502	7244,429	127,005	6,222	514,225	7,421	11,185	4,318	2017-09-15 11:40
94,500	54,663	0,364	0,358	6678,702	7271,613	95,158	6,614	514,225	7,601	10,927	4,268	2017-09-15 11:40
94,667	54,671	0,364	0,358	6691,633	7286,437	79,415	7,209	514,225	7,197	11,004	4,282	2017-09-15 11:40
94,833	54,687	0,364	0,358	6708,753	7359,243	67,036	7,746	514,225	7,356	11,179	4,316	2017-09-15 11:40
95,000	54,707	0,364	0,358	6726,772	7436,957	62,623	7,798	514,132	7,556	11,187	4,318	2017-09-15 11:40
95,167	54,722	0,364	0,358	6750,424	7416,676	60,316	7,977	514,132	7,748	11,177	4,316	2017-09-15 11:40
95,333	54,735	0,364	0,358	6760,905	7472,675	67,286	8,121	514,132	7,488	10,937	4,269	2017-09-15 11:41
95,500	54,738	0,364	0,358	6796,524	7547,486	60,736	7,933	514,132	7,667	10,895	4,261	2017-09-15 11:41
95,667	54,740	0,364	0,358	6837,286	7607,570	71,386	7,835	514,132	7,417	10,956	4,273	2017-09-15 11:41
95,833	54,736	0,364	0,358	6867,063	7629,270	101,923	7,624	514,132	7,372	11,070	4,295	2017-09-15 11:41
96,000	54,736	0,364	0,358	6901,087	7625,993	89,053	7,695	514,132	7,706	10,899	4,262	2017-09-15 11:41
96,167	54,735	0,364	0,358	6951,008	7645,659	52,151	8,036	514,132	7,435	11,106	4,302	2017-09-15 11:41
96,333	54,730	0,365	0,358	6992,812	7707,076	45,018	8,198	514,132	7,506	11,227	4,326	2017-09-15 11:42
96,500	54,732	0,364	0,358	7024,821	7720,035	66,820	7,925	514,038	7,786	11,075	4,296	2017-09-15 11:42
96,667	54,739	0,364	0,358	7046,180	7742,566	58,857	7,979	514,038	7,808	10,980	4,278	2017-09-15 11:42
96,833	54,751	0,364	0,358	7080,567	7816,282	53,812	8,396	514,038	7,891	11,186	4,318	2017-09-15 11:42
97,000	54,765	0,364	0,359	7109,727	7869,756	45,456	8,759	514,038	7,643	11,030	4,288	2017-09-15 11:42
97,167	54,774	0,365	0,358	7135,398	7922,083	46,283	8,955	514,038	7,444	11,208	4,322	2017-09-15 11:42
97,333	54,783	0,365	0,358	7168,440	8025,762	44,664	9,343	514,038	7,736	11,002	4,282	2017-09-15 11:43
97,500	54,785	0,365	0,358	7213,033	8078,824	34,133	9,700	513,944	7,947	10,886	4,259	2017-09-15 11:43
97,667	54,785	0,364	0,358	7252,383	8099,069	36,419	9,241	514,038	7,693	10,946	4,271	2017-09-15 11:43
97,833	54,785	0,364	0,358	7303,244	8178,423	41,057	8,930	513,944	7,545	10,982	4,278	2017-09-15 11:43
98,000	54,787	0,365	0,358	7358,039	8190,997	32,399	8,971	514,038	7,592	11,174	4,315	2017-09-15 11:43

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
98,167	0,204	0,565	0,541	0,200	0,272	75,551	20,153	16,232	21,345	21,166	20,242	20,515	21,077	20,318	77,884	57,957	72,832
98,334	0,203	0,571	0,541	0,202	0,275	75,642	20,158	13,940	21,317	21,152	20,244	20,503	21,073	20,303	77,861	57,976	72,955
98,500	0,204	0,563	0,541	0,192	0,280	75,753	20,049	16,507	21,324	21,154	20,228	20,505	21,050	20,298	77,998	58,004	73,075
98,667	0,206	0,572	0,541	0,195	0,273	75,791	20,134	15,768	21,317	21,136	20,214	20,497	21,046	20,291	78,107	58,019	73,182
98,834	0,205	0,574	0,541	0,192	0,272	75,876	20,129	16,663	21,337	21,144	20,226	20,498	21,077	20,302	78,230	58,045	73,317
99,000	0,205	0,568	0,541	0,190	0,278	75,957	20,161	14,670	21,321	21,146	20,233	20,505	21,063	20,307	78,234	58,071	73,415
99,167	0,205	0,574	0,541	0,204	0,269	76,099	20,129	16,090	21,332	21,158	20,244	20,528	21,088	20,310	78,389	58,106	73,515
99,334	0,205	0,578	0,541	0,197	0,274	76,091	20,136	14,862	21,307	21,144	20,223	20,499	21,061	20,301	78,518	58,137	73,615
99,500	0,206	0,572	0,541	0,192	0,280	76,120	20,137	17,196	21,328	21,144	20,240	20,501	21,073	20,301	78,637	58,170	73,717
99,667	0,206	0,570	0,541	0,189	0,278	76,212	20,233	17,469	21,341	21,186	20,275	20,518	21,102	20,331	78,780	58,207	73,811
99,834	0,206	0,553	0,541	0,193	0,282	76,141	20,207	15,842	21,335	21,174	20,258	20,525	21,104	20,321	78,845	58,247	73,912
100,000	0,206	0,546	0,541	0,198	0,273	76,141	20,264	17,891	21,341	21,157	20,250	20,527	21,101	20,318	78,996	58,285	74,027
100,167	0,209	0,542	0,541	0,191	0,272	76,231	20,269	17,423	21,323	21,173	20,255	20,521	21,098	20,319	79,003	58,319	74,131
100,334	0,208	0,532	0,541	0,186	0,276	76,271	20,230	15,661	21,336	21,156	20,254	20,520	21,092	20,314	79,034	58,349	74,230
100,500	0,207	0,555	0,541	0,196	0,277	76,295	20,233	21,046	21,331	21,160	20,252	20,524	21,092	20,318	79,069	58,371	74,307
100,667	0,206	0,558	0,540	0,200	0,279	76,278	20,190	19,540	21,329	21,161	20,239	20,516	21,110	20,318	79,250	58,397	74,388
100,833	0,204	0,548	0,541	0,198	0,272	76,253	20,230	13,172	21,321	21,150	20,248	20,514	21,084	20,302	79,314	58,424	74,458
101,000	0,205	0,538	0,540	0,189	0,281	76,286	20,271	14,127	21,338	21,162	20,267	20,529	21,123	20,322	79,340	58,458	74,524
101,167	0,205	0,536	0,540	0,197	0,278	76,263	20,269	19,757	21,308	21,152	20,269	20,511	21,097	20,310	79,343	58,477	74,578
101,333	0,208	0,523	0,540	0,194	0,277	76,247	20,302	16,287	21,309	21,146	20,243	20,503	21,103	20,303	79,340	58,504	74,651
101,500	0,210	0,508	0,540	0,199	0,277	76,172	20,290	17,838	21,336	21,160	20,242	20,510	21,109	20,314	79,385	58,534	74,715
101,667	0,210	0,504	0,540	0,198	0,278	76,121	20,272	21,008	21,317	21,148	20,257	20,511	21,111	20,307	79,371	58,555	74,770
101,833	0,212	0,504	0,540	0,200	0,281	76,156	20,270	20,639	21,346	21,191	20,284	20,539	21,134	20,330	79,488	58,577	74,817
102,000	0,210	0,498	0,539	0,194	0,284	76,100	20,246	20,357	21,321	21,158	20,251	20,511	21,119	20,307	79,515	58,598	74,851
102,167	0,211	0,513	0,540	0,194	0,277	75,992	20,225	20,650	21,317	21,161	20,255	20,499	21,110	20,307	79,503	58,620	74,885
102,333	0,206	0,532	0,540	0,197	0,276	75,960	20,209	18,926	21,338	21,175	20,267	20,524	21,145	20,317	79,472	58,638	74,911
102,500	0,204	0,543	0,539	0,202	0,277	75,933	20,097	15,925	21,323	21,168	20,277	20,536	21,142	20,327	79,561	58,653	74,947
102,667	0,207	0,526	0,540	0,192	0,280	75,880	20,192	15,889	21,346	21,162	20,276	20,533	21,156	20,325	79,573	58,669	74,977
102,834	0,212	0,496	0,540	0,195	0,273	75,833	20,180	17,453	21,331	21,152	20,259	20,520	21,133	20,315	79,552	58,677	74,998
103,000	0,214	0,490	0,539	0,197	0,281	75,879	20,205	16,848	21,337	21,170	20,276	20,527	21,153	20,319	79,556	58,690	75,021
103,167	0,214	0,482	0,539	0,190	0,280	75,795	20,119	15,497	21,336	21,168	20,280	20,532	21,149	20,325	79,580	58,710	75,051
103,334	0,219	0,483	0,539	0,192	0,273	75,756	20,161	15,005	21,336	21,163	20,272	20,540	21,161	20,333	79,528	58,716	75,077
103,500	0,213	0,494	0,539	0,194	0,273	75,714	20,170	19,393	21,321	21,167	20,251	20,513	21,163	20,314	79,526	58,729	75,086
103,667	0,211	0,511	0,539	0,198	0,274	75,610	20,187	21,500	21,329	21,152	20,278	20,532	21,149	20,318	79,548	58,744	75,101
103,834	0,213	0,512	0,539	0,191	0,280	75,503	20,167	15,716	21,317	21,161	20,271	20,520	21,169	20,315	79,556	58,747	75,106
104,000	0,211	0,500	0,539	0,193	0,277	75,389	20,214	19,076	21,321	21,162	20,287	20,523	21,152	20,311	79,505	58,759	75,096
104,167	0,217	0,490	0,539	0,195	0,273	75,273	20,205	19,421	21,319	21,150	20,263	20,526	21,143	20,311	79,484	58,763	75,094

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
98,167	54,793	0,364	0,359	7412,417	8308,143	33,479	9,118	513,944	7,989	10,868	4,256	2017-09-15 11:43
98,334	54,811	0,364	0,358	7446,752	8288,686	29,307	9,284	513,944	8,073	11,008	4,283	2017-09-15 11:44
98,500	54,837	0,364	0,358	7482,220	8337,076	34,953	9,081	513,944	7,695	11,185	4,318	2017-09-15 11:44
98,667	54,860	0,365	0,358	7527,985	8387,260	43,767	9,311	513,944	7,781	10,939	4,270	2017-09-15 11:44
98,834	54,880	0,365	0,359	7579,796	8426,419	41,231	9,347	513,945	7,676	10,862	4,255	2017-09-15 11:44
99,000	54,897	0,364	0,359	7611,820	8411,661	37,899	9,210	513,944	7,599	11,112	4,304	2017-09-15 11:44
99,167	54,914	0,364	0,358	7638,426	8456,905	36,638	9,340	513,944	8,161	10,768	4,236	2017-09-15 11:44
99,334	54,922	0,364	0,357	7657,836	8502,887	38,319	9,441	513,851	7,871	10,974	4,277	2017-09-15 11:45
99,500	54,929	0,365	0,357	7696,031	8544,974	48,593	9,305	513,850	7,663	11,204	4,321	2017-09-15 11:45
99,667	54,936	0,365	0,358	7735,357	8585,734	48,597	9,246	513,850	7,559	11,109	4,303	2017-09-15 11:45
99,834	54,935	0,365	0,357	7771,988	8603,091	43,333	8,820	513,850	7,735	11,294	4,339	2017-09-15 11:45
100,000	54,940	0,365	0,358	7827,310	8645,472	45,279	8,661	513,850	7,917	10,923	4,267	2017-09-15 11:45
100,167	54,947	0,365	0,357	7855,355	8637,072	62,630	8,555	513,850	7,632	10,886	4,259	2017-09-15 11:45
100,334	54,971	0,365	0,357	7887,213	8636,135	59,093	8,309	513,850	7,431	11,047	4,291	2017-09-15 11:46
100,500	54,988	0,365	0,357	7912,396	8639,679	49,434	8,866	513,850	7,848	11,070	4,295	2017-09-15 11:46
100,667	55,012	0,365	0,357	7932,078	8701,628	44,844	8,954	513,757	8,007	11,153	4,311	2017-09-15 11:46
100,833	55,026	0,365	0,357	7956,150	8721,192	33,274	8,688	513,850	7,925	10,868	4,256	2017-09-15 11:46
101,000	55,043	0,365	0,357	7975,294	8719,833	37,079	8,452	513,757	7,573	11,254	4,331	2017-09-15 11:46
101,167	55,052	0,365	0,357	7999,230	8717,438	41,026	8,410	513,757	7,877	11,118	4,305	2017-09-15 11:46
101,333	55,055	0,365	0,358	8034,527	8705,846	58,256	8,065	513,757	7,772	11,062	4,294	2017-09-15 11:47
101,500	55,055	0,365	0,358	8055,519	8706,150	73,408	7,691	513,757	7,962	11,074	4,296	2017-09-15 11:47
101,667	55,056	0,365	0,358	8085,637	8691,410	70,211	7,599	513,757	7,930	11,131	4,307	2017-09-15 11:47
101,833	55,059	0,365	0,357	8094,561	8734,443	85,308	7,596	513,757	7,990	11,225	4,325	2017-09-15 11:47
102,000	55,063	0,365	0,357	8102,458	8738,710	70,621	7,447	513,617	7,770	11,348	4,349	2017-09-15 11:47
102,167	55,071	0,364	0,358	8125,282	8711,602	75,440	7,820	513,757	7,753	11,094	4,300	2017-09-15 11:47
102,333	55,087	0,365	0,357	8118,304	8693,338	44,108	8,296	513,757	7,876	11,053	4,292	2017-09-15 11:48
102,500	55,106	0,365	0,357	8121,223	8724,349	35,790	8,572	513,617	8,074	11,082	4,298	2017-09-15 11:48
102,667	55,115	0,365	0,357	8131,636	8731,834	49,201	8,138	513,758	7,677	11,211	4,323	2017-09-15 11:48
102,834	55,114	0,365	0,357	8144,681	8726,407	79,912	7,411	513,758	7,799	10,914	4,265	2017-09-15 11:48
103,000	55,115	0,365	0,358	8165,426	8723,221	96,798	7,254	513,617	7,881	11,249	4,330	2017-09-15 11:48
103,167	55,111	0,365	0,358	8170,289	8715,255	93,223	7,043	513,618	7,604	11,183	4,317	2017-09-15 11:48
103,334	55,102	0,365	0,358	8185,159	8695,465	125,935	7,078	513,617	7,673	10,903	4,263	2017-09-15 11:49
103,500	55,102	0,365	0,357	8185,040	8682,671	86,541	7,354	513,617	7,756	10,904	4,263	2017-09-15 11:49
103,667	55,106	0,365	0,358	8200,233	8693,415	77,101	7,774	513,617	7,935	10,949	4,272	2017-09-15 11:49
103,834	55,103	0,365	0,358	8197,761	8700,081	89,526	7,796	513,617	7,630	11,210	4,322	2017-09-15 11:49
104,000	55,109	0,364	0,357	8189,048	8652,414	79,509	7,511	513,617	7,715	11,069	4,295	2017-09-15 11:49
104,167	55,121	0,365	0,357	8181,241	8651,616	116,738	7,239	513,618	7,783	10,924	4,267	2017-09-15 11:49

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
104,334	0,230	0,477	0,539	0,200	0,282	75,219	20,243	14,380	21,306	21,150	20,267	20,520	21,165	20,315	79,440	58,760	75,093
104,500	0,236	0,464	0,539	0,195	0,282	75,191	20,184	16,374	21,310	21,154	20,261	20,526	21,154	20,314	79,412	58,759	75,096
104,732	0,242	0,444	0,539	0,199	0,280	75,070	20,228	14,644	21,328	21,164	20,273	20,544	21,161	20,321	79,320	58,767	75,089
104,833	0,242	0,440	0,539	0,197	0,280	75,045	20,221	20,699	21,322	21,181	20,315	20,533	21,179	20,327	79,252	58,770	75,082
105,060	0,235	0,438	0,539	0,198	0,274	74,954	20,209	14,568	21,308	21,153	20,268	20,532	21,179	20,322	79,194	58,779	75,054
105,167	0,233	0,448	0,539	0,192	0,279	74,905	20,208	15,085	21,333	21,149	20,285	20,549	21,185	20,329	79,144	58,782	75,038
105,333	0,230	0,457	0,539	0,190	0,276	74,790	20,203	14,844	21,320	21,164	20,289	20,516	21,181	20,322	79,085	58,788	75,009
105,500	0,222	0,456	0,539	0,190	0,273	74,666	20,262	17,507	21,323	21,177	20,267	20,523	21,194	20,321	79,086	58,784	74,970
105,667	0,224	0,454	0,539	0,196	0,278	74,615	20,243	17,686	21,333	21,164	20,272	20,525	21,195	20,330	78,961	58,786	74,928
105,833	0,227	0,443	0,539	0,190	0,277	74,581	20,234	17,930	21,322	21,177	20,297	20,535	21,192	20,326	78,922	58,780	74,882
106,000	0,223	0,443	0,539	0,195	0,277	74,500	20,145	24,684	21,311	21,148	20,276	20,532	21,173	20,319	78,827	58,771	74,835
106,167	0,222	0,447	0,539	0,194	0,278	74,398	20,185	17,068	21,322	21,153	20,286	20,537	21,200	20,327	78,779	58,756	74,793
106,333	0,225	0,449	0,539	0,189	0,278	74,297	20,234	17,504	21,327	21,166	20,299	20,527	21,207	20,322	78,702	58,743	74,744
106,500	0,222	0,456	0,539	0,194	0,281	74,282	20,265	19,896	21,326	21,172	20,299	20,544	21,218	20,341	78,696	58,735	74,704
106,667	0,221	0,452	0,539	0,194	0,281	74,249	20,240	19,090	21,347	21,186	20,310	20,566	21,223	20,350	78,593	58,721	74,651
106,833	0,224	0,443	0,539	0,194	0,279	74,216	20,229	13,161	21,322	21,164	20,281	20,536	21,207	20,330	78,513	58,716	74,601
107,000	0,219	0,437	0,539	0,191	0,279	74,159	20,227	21,408	21,323	21,170	20,306	20,552	21,202	20,333	78,425	58,714	74,555
107,167	0,216	0,450	0,539	0,194	0,275	74,099	20,281	22,476	21,326	21,176	20,280	20,544	21,219	20,334	78,312	58,705	74,500
107,333	0,219	0,464	0,539	0,185	0,276	74,047	20,303	20,482	21,350	21,198	20,330	20,565	21,237	20,354	78,316	58,709	74,451
107,500	0,218	0,468	0,539	0,188	0,274	73,956	20,283	22,317	21,328	21,177	20,310	20,552	21,228	20,342	78,278	58,700	74,399
107,667	0,219	0,479	0,539	0,189	0,279	73,869	20,283	21,015	21,332	21,171	20,310	20,556	21,225	20,342	78,189	58,690	74,342
107,833	0,218	0,486	0,539	0,186	0,275	73,820	20,267	14,879	21,341	21,174	20,309	20,547	21,229	20,339	78,184	58,674	74,280
108,000	0,213	0,486	0,539	0,191	0,272	73,801	20,261	16,457	21,340	21,186	20,300	20,553	21,236	20,343	78,143	58,658	74,231
108,167	0,215	0,490	0,539	0,189	0,276	73,746	20,253	18,489	21,339	21,194	20,337	20,574	21,247	20,355	78,107	58,646	74,183
108,333	0,215	0,496	0,539	0,191	0,278	73,681	20,245	22,721	21,358	21,220	20,353	20,604	21,280	20,383	78,100	58,631	74,133
108,500	0,216	0,504	0,539	0,184	0,273	73,540	20,160	17,944	21,328	21,185	20,300	20,543	21,233	20,337	78,076	58,610	74,084
108,667	0,213	0,496	0,539	0,189	0,274	73,472	20,204	24,017	21,314	21,165	20,315	20,539	21,232	20,334	77,998	58,599	74,047
108,834	0,218	0,480	0,539	0,189	0,281	73,464	20,265	21,549	21,332	21,186	20,339	20,551	21,258	20,345	77,998	58,595	74,010
109,000	0,218	0,460	0,539	0,184	0,282	73,386	20,196	21,747	21,318	21,181	20,302	20,554	21,230	20,331	77,917	58,585	73,981
109,167	0,219	0,455	0,539	0,185	0,280	73,382	20,158	18,278	21,342	21,182	20,340	20,568	21,241	20,343	77,886	58,579	73,958
109,334	0,222	0,464	0,539	0,193	0,282	73,303	20,183	17,665	21,331	21,176	20,315	20,565	21,249	20,334	77,821	58,568	73,926
109,500	0,221	0,472	0,539	0,191	0,282	73,255	20,194	19,988	21,335	21,180	20,327	20,554	21,261	20,338	77,805	58,555	73,896
109,667	0,219	0,461	0,539	0,189	0,282	73,182	20,274	21,977	21,339	21,185	20,331	20,556	21,265	20,343	77,705	58,537	73,862
109,834	0,222	0,459	0,539	0,185	0,281	73,154	20,242	18,289	21,326	21,174	20,327	20,554	21,234	20,334	77,682	58,524	73,814
110,000	0,223	0,461	0,539	0,186	0,281	73,130	20,244	17,151	21,342	21,191	20,326	20,557	21,263	20,343	77,585	58,506	73,771
110,167	0,221	0,473	0,539	0,190	0,282	73,121	20,292	18,586	21,348	21,180	20,313	20,548	21,266	20,338	77,597	58,478	73,731
110,334	0,216	0,497	0,539	0,188	0,276	73,101	20,291	16,524	21,343	21,176	20,313	20,560	21,268	20,339	77,534	58,462	73,690

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
104,334	55,135	0,365	0,358	8183,268	8644,342	193,676	6,933	513,617	8,000	11,289	4,338	2017-09-15 11:50
104,500	55,146	0,365	0,358	8176,428	8625,156	235,366	6,593	513,617	7,817	11,265	4,333	2017-09-15 11:50
104,732	55,147	0,365	0,358	8178,832	8596,855	267,825	6,091	513,617	7,960	11,191	4,319	2017-09-15 11:50
104,833	55,138	0,364	0,357	8152,702	8531,498	269,388	6,000	513,617	7,873	11,217	4,324	2017-09-15 11:50
105,060	55,117	0,365	0,357	8166,021	8530,727	224,095	5,952	513,617	7,931	10,975	4,277	2017-09-15 11:50
105,167	55,107	0,365	0,357	8164,083	8501,830	215,072	6,195	513,617	7,685	11,162	4,313	2017-09-15 11:50
105,333	55,094	0,365	0,357	8159,673	8483,255	194,646	6,421	513,617	7,616	11,060	4,293	2017-09-15 11:51
105,500	55,091	0,365	0,357	8142,473	8481,814	146,309	6,402	513,617	7,594	10,934	4,269	2017-09-15 11:51
105,667	55,084	0,365	0,358	8130,934	8427,308	155,714	6,348	513,618	7,823	11,131	4,307	2017-09-15 11:51
105,833	55,094	0,365	0,357	8106,152	8412,636	176,283	6,077	513,617	7,618	11,073	4,296	2017-09-15 11:51
106,000	55,099	0,365	0,357	8083,736	8369,176	151,507	6,078	513,617	7,819	11,099	4,301	2017-09-15 11:51
106,167	55,109	0,365	0,357	8060,639	8362,990	142,727	6,166	513,617	7,753	11,111	4,303	2017-09-15 11:51
106,333	55,122	0,365	0,357	8027,264	8331,427	166,506	6,236	513,617	7,565	11,108	4,303	2017-09-15 11:52
106,500	55,134	0,365	0,357	8011,346	8333,984	147,622	6,395	513,617	7,778	11,228	4,326	2017-09-15 11:52
106,667	55,127	0,365	0,357	7997,546	8302,647	140,048	6,295	513,617	7,750	11,225	4,325	2017-09-15 11:52
106,833	55,110	0,365	0,357	7974,976	8269,368	155,141	6,065	513,617	7,765	11,169	4,314	2017-09-15 11:52
107,000	55,089	0,365	0,357	7972,852	8236,859	125,222	5,933	513,617	7,621	11,176	4,316	2017-09-15 11:52
107,167	55,068	0,365	0,357	7954,821	8191,197	107,002	6,238	513,617	7,760	11,003	4,282	2017-09-15 11:52
107,333	55,058	0,365	0,357	7939,317	8198,105	129,750	6,603	513,617	7,389	11,025	4,287	2017-09-15 11:53
107,500	55,047	0,365	0,357	7922,922	8181,559	119,236	6,704	513,617	7,517	10,974	4,277	2017-09-15 11:53
107,667	55,046	0,365	0,357	7892,447	8141,940	129,100	6,967	513,523	7,554	11,165	4,314	2017-09-15 11:53
107,833	55,050	0,365	0,357	7872,293	8154,736	118,513	7,144	513,523	7,459	11,002	4,282	2017-09-15 11:53
108,000	55,056	0,365	0,357	7846,223	8134,414	89,953	7,155	513,617	7,647	10,883	4,259	2017-09-15 11:53
108,167	55,063	0,365	0,357	7817,212	8131,712	103,326	7,238	513,523	7,574	11,022	4,286	2017-09-15 11:53
108,333	55,074	0,365	0,358	7811,047	8137,303	101,756	7,408	513,557	7,645	11,107	4,303	2017-09-15 11:54
108,500	55,070	0,365	0,357	7786,476	8136,767	110,456	7,589	513,617	7,341	10,900	4,262	2017-09-15 11:54
108,667	55,052	0,365	0,357	7775,955	8103,076	87,170	7,401	513,524	7,579	10,959	4,274	2017-09-15 11:54
108,834	55,024	0,365	0,357	7771,382	8110,364	122,193	7,004	513,617	7,551	11,232	4,327	2017-09-15 11:54
109,000	54,995	0,365	0,357	7763,762	8066,146	119,024	6,509	513,523	7,342	11,271	4,334	2017-09-15 11:54
109,167	54,975	0,365	0,357	7764,617	8060,660	125,111	6,371	513,617	7,392	11,188	4,318	2017-09-15 11:54
109,334	54,953	0,365	0,357	7757,419	8044,896	143,985	6,609	513,523	7,725	11,286	4,337	2017-09-15 11:55
109,500	54,948	0,365	0,357	7760,591	8052,743	136,855	6,788	513,523	7,655	11,283	4,336	2017-09-15 11:55
109,667	54,940	0,365	0,357	7746,540	8009,382	124,003	6,518	513,523	7,563	11,281	4,336	2017-09-15 11:55
109,834	54,936	0,365	0,357	7726,909	8002,751	145,256	6,486	513,523	7,400	11,229	4,326	2017-09-15 11:55
110,000	54,941	0,365	0,357	7709,116	7964,908	149,245	6,521	513,523	7,439	11,237	4,328	2017-09-15 11:55
110,167	54,943	0,365	0,357	7686,296	7990,508	137,262	6,821	513,524	7,582	11,284	4,337	2017-09-15 11:55
110,334	54,944	0,365	0,357	7674,792	7966,192	106,144	7,416	513,523	7,535	11,034	4,288	2017-09-15 11:56

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
110,500	0,215	0,513	0,539	0,186	0,280	73,039	20,274	20,581	21,356	21,182	20,331	20,560	21,257	20,342	77,545	58,452	73,644
110,667	0,213	0,496	0,539	0,183	0,284	72,970	20,317	18,092	21,380	21,199	20,333	20,576	21,286	20,353	77,482	58,435	73,598
110,834	0,214	0,481	0,539	0,186	0,283	72,876	20,274	24,427	21,341	21,190	20,323	20,562	21,262	20,339	77,418	58,419	73,553
111,000	0,215	0,471	0,539	0,184	0,281	72,849	20,263	18,733	21,343	21,198	20,301	20,577	21,263	20,346	77,345	58,416	73,517
111,167	0,214	0,460	0,539	0,184	0,283	72,808	20,251	25,769	21,343	21,193	20,340	20,557	21,288	20,339	77,309	58,405	73,482
111,333	0,222	0,457	0,539	0,183	0,283	72,733	20,265	18,653	21,355	21,194	20,339	20,577	21,287	20,347	77,268	58,385	73,444
111,500	0,217	0,464	0,539	0,183	0,277	72,762	20,267	20,310	21,349	21,185	20,326	20,561	21,276	20,345	77,249	58,376	73,409
111,667	0,215	0,476	0,539	0,186	0,277	72,700	20,249	14,850	21,362	21,195	20,327	20,557	21,283	20,343	77,215	58,362	73,370
111,833	0,215	0,481	0,539	0,185	0,277	72,644	20,222	21,736	21,349	21,198	20,330	20,565	21,278	20,345	77,136	58,345	73,326
112,000	0,220	0,487	0,539	0,186	0,277	72,630	20,205	25,903	21,348	21,184	20,327	20,557	21,291	20,346	77,100	58,330	73,287
112,167	0,223	0,481	0,539	0,191	0,280	72,581	20,194	22,154	21,339	21,192	20,314	20,555	21,300	20,347	77,067	58,307	73,244
112,333	0,219	0,470	0,539	0,184	0,282	72,565	20,228	17,357	21,331	21,194	20,347	20,575	21,279	20,347	77,002	58,287	73,210
112,500	0,217	0,472	0,539	0,183	0,280	72,512	20,129	18,751	21,338	21,193	20,352	20,570	21,305	20,351	77,023	58,275	73,172
112,667	0,219	0,483	0,539	0,186	0,278	72,468	20,149	24,499	21,336	21,198	20,357	20,569	21,309	20,351	76,961	58,260	73,136
112,833	0,220	0,488	0,539	0,188	0,276	72,422	20,160	24,051	21,359	21,192	20,348	20,560	21,312	20,347	76,912	58,252	73,102
113,000	0,216	0,490	0,539	0,182	0,279	72,334	20,190	19,894	21,340	21,209	20,342	20,587	21,291	20,351	76,869	58,243	73,067
113,167	0,212	0,500	0,539	0,181	0,284	72,330	20,179	21,113	21,354	21,205	20,348	20,585	21,321	20,355	76,860	58,232	73,036
113,333	0,207	0,506	0,539	0,184	0,284	72,310	20,151	17,633	21,351	21,209	20,344	20,569	21,318	20,351	76,835	58,223	73,004
113,500	0,209	0,508	0,539	0,183	0,281	72,287	20,172	20,509	21,343	21,199	20,350	20,573	21,318	20,353	76,893	58,213	72,977
113,667	0,211	0,499	0,539	0,185	0,271	72,213	20,185	16,939	21,348	21,210	20,348	20,578	21,333	20,358	76,837	58,203	72,942
113,833	0,212	0,496	0,538	0,187	0,275	72,174	20,207	25,678	21,333	21,201	20,338	20,562	21,331	20,350	76,812	58,197	72,917
114,000	0,215	0,485	0,539	0,185	0,276	72,119	20,234	16,296	21,355	21,219	20,372	20,585	21,345	20,367	76,772	58,189	72,897
114,167	0,214	0,477	0,538	0,190	0,284	72,112	20,219	14,881	21,342	21,212	20,366	20,593	21,335	20,367	76,723	58,165	72,878
114,333	0,215	0,478	0,539	0,192	0,276	72,112	20,202	24,758	21,338	21,209	20,350	20,581	21,346	20,364	76,677	58,153	72,855
114,500	0,214	0,480	0,539	0,187	0,276	72,012	20,189	18,497	21,323	21,198	20,365	20,573	21,342	20,354	76,707	58,141	72,832
114,667	0,214	0,480	0,538	0,190	0,280	71,996	20,180	21,547	21,336	21,197	20,369	20,570	21,327	20,353	76,729	58,125	72,812
114,833	0,215	0,479	0,539	0,186	0,274	71,945	20,125	14,753	21,318	21,186	20,348	20,574	21,342	20,354	76,664	58,117	72,790
115,000	0,215	0,476	0,538	0,183	0,275	71,896	20,117	14,957	21,322	21,192	20,338	20,569	21,337	20,354	76,605	58,115	72,759
115,167	0,221	0,470	0,538	0,184	0,276	71,869	20,115	19,808	21,338	21,206	20,360	20,568	21,333	20,353	76,512	58,109	72,736
115,333	0,217	0,465	0,538	0,186	0,279	71,843	20,141	25,989	21,310	21,202	20,361	20,578	21,329	20,351	76,514	58,095	72,719
115,500	0,216	0,467	0,538	0,179	0,282	71,858	20,142	17,606	21,335	21,198	20,377	20,577	21,348	20,355	76,466	58,090	72,692
115,667	0,212	0,471	0,538	0,190	0,276	71,860	20,180	10,657	21,334	21,213	20,355	20,580	21,360	20,359	76,428	58,083	72,663
115,834	0,210	0,473	0,538	0,186	0,283	71,899	20,202	13,120	21,339	21,209	20,377	20,592	21,358	20,366	76,388	58,076	72,634
116,000	0,212	0,468	0,538	0,186	0,279	71,851	20,210	21,108	21,324	21,200	20,360	20,574	21,348	20,356	76,371	58,074	72,599
116,167	0,213	0,466	0,538	0,185	0,278	71,754	20,177	21,123	21,329	21,197	20,363	20,581	21,377	20,360	76,278	58,062	72,569
116,334	0,210	0,468	0,538	0,190	0,277	71,720	20,211	24,276	21,329	21,204	20,372	20,586	21,365	20,362	76,285	58,047	72,535
116,500	0,212	0,476	0,538	0,181	0,276	71,702	20,244	17,842	21,326	21,200	20,367	20,566	21,361	20,356	76,300	58,043	72,512

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
110,500	54,940	0,365	0,357	7656,855	7975,217	103,545	7,820	513,523	7,458	11,197	4,320	2017-09-15 11:56
110,667	54,927	0,364	0,357	7638,159	7944,531	90,735	7,407	513,524	7,311	11,345	4,348	2017-09-15 11:56
110,834	54,905	0,365	0,357	7629,513	7929,103	97,208	7,026	513,523	7,424	11,324	4,344	2017-09-15 11:56
111,000	54,884	0,365	0,357	7625,339	7902,996	104,393	6,772	513,524	7,377	11,221	4,325	2017-09-15 11:56
111,167	54,862	0,365	0,357	7617,859	7895,760	95,141	6,492	513,523	7,378	11,302	4,340	2017-09-15 11:56
111,333	54,850	0,365	0,357	7602,534	7891,867	145,044	6,422	513,523	7,326	11,314	4,342	2017-09-15 11:57
111,500	54,839	0,365	0,357	7592,584	7878,613	111,509	6,597	513,524	7,328	11,065	4,294	2017-09-15 11:57
111,667	54,830	0,365	0,357	7586,534	7874,955	104,654	6,903	513,523	7,428	11,077	4,297	2017-09-15 11:57
111,833	54,822	0,365	0,357	7574,070	7845,592	102,687	7,025	513,523	7,418	11,072	4,296	2017-09-15 11:57
112,000	54,827	0,365	0,357	7559,827	7840,560	129,965	7,182	513,523	7,443	11,064	4,294	2017-09-15 11:57
112,167	54,826	0,365	0,357	7540,745	7838,767	150,913	7,013	513,523	7,659	11,182	4,317	2017-09-15 11:57
112,333	54,827	0,364	0,357	7524,275	7804,870	127,654	6,752	513,523	7,350	11,289	4,338	2017-09-15 11:58
112,500	54,831	0,365	0,357	7505,214	7824,473	116,759	6,809	513,523	7,337	11,211	4,323	2017-09-15 11:58
112,667	54,831	0,364	0,356	7474,955	7797,392	125,754	7,070	513,523	7,431	11,103	4,302	2017-09-15 11:58
112,833	54,826	0,365	0,357	7479,226	7789,726	132,036	7,198	513,523	7,538	11,037	4,289	2017-09-15 11:58
113,000	54,817	0,364	0,357	7464,165	7765,915	107,322	7,247	513,524	7,279	11,158	4,312	2017-09-15 11:58
113,167	54,802	0,365	0,357	7466,015	7774,918	82,771	7,497	513,523	7,254	11,363	4,352	2017-09-15 11:58
113,333	54,794	0,365	0,357	7458,690	7767,415	52,617	7,646	513,523	7,380	11,374	4,354	2017-09-15 11:59
113,500	54,786	0,365	0,357	7447,721	7799,033	64,944	7,708	513,523	7,306	11,246	4,329	2017-09-15 11:59
113,667	54,779	0,364	0,357	7435,355	7772,512	73,964	7,478	513,523	7,406	10,830	4,249	2017-09-15 11:59
113,833	54,777	0,365	0,357	7425,924	7766,741	86,017	7,400	513,429	7,482	10,995	4,281	2017-09-15 11:59
114,000	54,774	0,364	0,357	7417,994	7747,206	100,377	7,132	513,523	7,420	11,056	4,293	2017-09-15 11:59
114,167	54,770	0,365	0,357	7405,337	7746,271	98,080	6,918	513,429	7,582	11,343	4,348	2017-09-15 11:59
114,333	54,769	0,365	0,357	7399,856	7730,371	102,270	6,944	513,523	7,670	11,053	4,292	2017-09-15 12:00
114,500	54,766	0,365	0,357	7397,356	7752,312	94,512	7,005	513,523	7,493	11,058	4,293	2017-09-15 12:00
114,667	54,765	0,365	0,357	7389,043	7762,330	98,129	7,000	513,441	7,596	11,201	4,321	2017-09-15 12:00
114,833	54,756	0,365	0,357	7385,364	7740,535	103,719	6,975	513,524	7,435	10,955	4,273	2017-09-15 12:00
115,000	54,747	0,365	0,357	7377,821	7724,119	100,734	6,912	513,429	7,322	11,016	4,285	2017-09-15 12:00
115,167	54,736	0,365	0,358	7377,461	7688,805	136,865	6,752	513,429	7,363	11,045	4,291	2017-09-15 12:00
115,333	54,738	0,364	0,357	7362,475	7684,427	112,148	6,634	513,429	7,424	11,148	4,310	2017-09-15 12:01
115,500	54,744	0,364	0,357	7340,847	7663,831	108,649	6,666	513,429	7,158	11,271	4,334	2017-09-15 12:01
115,667	54,755	0,364	0,357	7329,357	7652,324	83,803	6,771	513,429	7,586	11,040	4,289	2017-09-15 12:01
115,834	54,762	0,364	0,357	7319,679	7635,003	69,760	6,816	513,429	7,440	11,335	4,346	2017-09-15 12:01
116,000	54,766	0,364	0,357	7301,599	7629,905	83,783	6,707	513,429	7,425	11,167	4,314	2017-09-15 12:01
116,167	54,771	0,365	0,357	7287,218	7603,845	90,947	6,646	513,429	7,392	11,102	4,301	2017-09-15 12:01
116,334	54,771	0,365	0,357	7274,110	7611,077	69,325	6,694	513,429	7,582	11,079	4,297	2017-09-15 12:02
116,500	54,773	0,365	0,358	7271,123	7620,790	82,758	6,909	513,429	7,257	11,021	4,286	2017-09-15 12:02

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
116,667	0,215	0,462	0,538	0,183	0,273	71,677	20,241	24,688	21,328	21,184	20,377	20,593	21,374	20,360	76,181	58,036	72,483
116,834	0,220	0,443	0,538	0,184	0,269	71,678	20,231	21,000	21,342	21,193	20,394	20,588	21,371	20,364	76,160	58,035	72,450
117,000	0,224	0,431	0,538	0,178	0,276	71,602	20,315	25,847	21,335	21,192	20,386	20,594	21,367	20,362	76,084	58,025	72,426
117,167	0,220	0,429	0,538	0,181	0,277	71,592	20,232	27,603	21,338	21,195	20,381	20,585	21,384	20,366	76,055	58,027	72,396
117,334	0,223	0,427	0,538	0,188	0,283	71,630	20,234	30,111	21,329	21,183	20,389	20,594	21,391	20,362	75,985	58,020	72,357
117,500	0,226	0,427	0,538	0,190	0,276	71,630	20,211	24,737	21,337	21,201	20,402	20,591	21,377	20,364	75,912	58,002	72,307
117,667	0,223	0,427	0,538	0,184	0,283	71,623	20,205	13,566	21,341	21,197	20,385	20,585	21,389	20,366	75,813	58,001	72,265
117,834	0,220	0,429	0,538	0,182	0,280	71,550	20,192	6,495	21,331	21,196	20,380	20,595	21,382	20,363	75,788	57,994	72,226
118,000	0,224	0,442	0,538	0,178	0,278	71,551	20,206	-26,823	21,343	21,200	20,376	20,595	21,382	20,362	75,765	57,996	72,191
118,167	0,225	0,450	0,538	0,186	0,279	71,531	20,166	19,253	21,343	21,208	20,404	20,606	21,386	20,368	75,772	57,988	72,138
118,333	0,221	0,455	0,538	0,180	0,275	71,561	20,142	21,052	21,341	21,196	20,389	20,590	21,388	20,368	75,734	57,972	72,074
118,500	0,219	0,458	0,538	0,186	0,273	71,521	20,042	26,657	21,343	21,214	20,402	20,607	21,393	20,370	75,727	57,961	72,026
118,667	0,218	0,453	0,538	0,188	0,274	71,432	20,046	25,530	21,345	21,210	20,389	20,585	21,390	20,364	75,657	57,959	71,993
118,833	0,216	0,444	0,538	0,186	0,279	71,429	20,167	21,672	21,347	21,210	20,404	20,596	21,411	20,375	75,595	57,947	71,971
119,000	0,221	0,449	0,538	0,188	0,279	71,441	20,179	27,135	21,369	21,230	20,427	20,600	21,426	20,388	75,595	57,947	71,941
119,167	0,226	0,456	0,538	0,183	0,282	71,447	20,151	22,946	21,345	21,214	20,406	20,592	21,412	20,368	75,602	57,950	71,907
119,333	0,224	0,452	0,538	0,184	0,274	71,384	20,175	27,386	21,353	21,216	20,405	20,599	21,403	20,372	75,594	57,950	71,874
119,500	0,224	0,450	0,538	0,179	0,272	71,373	20,206	20,408	21,349	21,208	20,393	20,597	21,410	20,371	75,503	57,949	71,845
119,667	0,219	0,454	0,538	0,180	0,275	71,340	20,180	21,014	21,343	21,204	20,407	20,595	21,415	20,366	75,490	57,951	71,824
119,833	0,215	0,463	0,538	0,188	0,276	71,412	20,268	21,352	21,337	21,205	20,414	20,599	21,405	20,367	75,518	57,951	71,808
120,000	0,217	0,473	0,538	0,184	0,280	71,406	20,268	26,411	21,345	21,217	20,417	20,603	21,411	20,370	75,484	57,951	71,791
120,167	0,225	0,467	0,538	0,183	0,276	71,430	20,256	22,878	21,349	21,212	20,421	20,611	21,423	20,374	75,458	57,949	71,764
120,333	0,228	0,450	0,538	0,190	0,281	71,457	20,198	13,821	21,255	21,196	20,407	20,598	21,414	20,367	75,397	57,942	71,740
120,500	0,225	0,428	0,538	0,192	0,281	71,478	20,191	38,042	245,437	21,204	20,414	20,606	21,430	20,371	75,400	57,945	71,732
120,667	0,227	0,414	0,538	0,184	0,279	71,492	20,012	17,339	8,358	21,220	20,417	20,604	21,419	20,383	75,390	57,939	71,725
120,833	0,219	0,417	0,538	0,181	0,277	71,462	20,064	17,177	-7,652	21,234	20,427	20,615	21,435	20,384	75,369	57,946	71,705
121,000	0,216	0,431	0,538	0,193	0,279	71,481	20,212	17,500	-11,530	21,242	20,427	20,630	21,448	20,390	75,293	57,943	71,682
121,167	0,214	0,444	0,538	0,184	0,279	71,435	20,206	27,407	-14,210	21,221	20,409	20,594	21,419	20,370	75,250	57,946	71,656
121,333	0,215	0,458	0,538	0,185	0,276	71,493	20,205	19,225	-14,535	21,218	20,426	20,613	21,433	20,375	75,270	57,951	71,632
121,500	0,219	0,466	0,538	0,185	0,277	71,509	20,226	18,441	-14,831	21,213	20,426	20,600	21,428	20,374	75,249	57,951	71,604
121,667	0,215	0,467	0,538	0,184	0,278	71,464	20,217	24,440	-15,364	21,239	20,433	20,625	21,453	20,388	75,222	57,965	71,581
121,833	0,216	0,465	0,538	0,181	0,274	71,430	20,207	19,506	-13,639	21,222	20,433	20,609	21,438	20,380	75,312	57,965	71,550
122,000	0,217	0,459	0,538	0,189	0,280	71,471	20,225	24,903	-15,072	21,239	20,429	20,631	21,460	20,391	75,239	57,965	71,531
122,167	0,216	0,446	0,538	0,184	0,277	71,420	20,196	20,713	-13,604	21,237	20,430	20,622	21,445	20,383	75,169	57,977	71,519
122,334	0,218	0,452	0,538	0,187	0,275	71,465	20,126	25,784	-14,433	21,233	20,434	20,625	21,457	20,388	75,118	57,972	71,516
122,500	0,212	0,465	0,538	0,180	0,277	71,494	20,084	20,295	-14,622	21,234	20,430	20,627	21,464	20,386	75,288	57,981	71,512
122,667	0,211	0,485	0,538	0,177	0,275	71,512	20,144	25,669	-11,584	21,221	20,444	20,626	21,469	20,392	75,280	57,978	71,495

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
116,667	54,765	0,365	0,358	7262,987	7573,506	99,529	6,557	513,429	7,303	10,933	4,269	2017-09-15 12:02
116,834	54,760	0,364	0,357	7245,497	7560,452	131,793	6,079	513,429	7,357	10,753	4,233	2017-09-15 12:02
117,000	54,750	0,365	0,357	7233,557	7536,711	159,717	5,783	513,428	7,110	11,054	4,292	2017-09-15 12:02
117,167	54,747	0,364	0,357	7214,273	7520,688	132,258	5,720	513,429	7,256	11,079	4,297	2017-09-15 12:02
117,334	54,747	0,364	0,357	7198,809	7485,879	152,379	5,678	513,429	7,527	11,334	4,346	2017-09-15 12:03
117,500	54,752	0,364	0,357	7187,590	7467,893	169,577	5,671	513,429	7,618	11,038	4,289	2017-09-15 12:03
117,667	54,756	0,365	0,358	7174,563	7435,651	151,788	5,676	513,429	7,370	11,317	4,343	2017-09-15 12:03
117,834	54,759	0,364	0,357	7151,624	7418,241	132,467	5,719	513,429	7,294	11,214	4,323	2017-09-15 12:03
118,000	54,759	0,364	0,357	7134,162	7402,593	160,172	6,038	513,430	7,119	11,108	4,303	2017-09-15 12:03
118,167	54,765	0,364	0,357	7102,133	7406,787	165,596	6,238	513,429	7,424	11,165	4,314	2017-09-15 12:03
118,333	54,777	0,364	0,357	7080,658	7404,088	141,066	6,370	513,429	7,180	11,002	4,282	2017-09-15 12:04
118,500	54,795	0,364	0,358	7064,250	7411,539	125,615	6,451	513,429	7,460	10,911	4,264	2017-09-15 12:04
118,667	54,810	0,364	0,358	7039,874	7379,595	122,815	6,323	513,429	7,537	10,974	4,277	2017-09-15 12:04
118,833	54,825	0,364	0,357	7018,204	7362,009	105,425	6,091	513,429	7,443	11,162	4,313	2017-09-15 12:04
119,000	54,834	0,364	0,357	7001,462	7358,781	136,386	6,221	513,429	7,505	11,150	4,311	2017-09-15 12:04
119,167	54,837	0,364	0,357	6990,228	7354,242	172,493	6,395	513,429	7,311	11,272	4,334	2017-09-15 12:04
119,333	54,841	0,364	0,358	6979,142	7354,101	155,805	6,312	513,429	7,377	10,944	4,271	2017-09-15 12:05
119,500	54,850	0,364	0,357	6954,336	7312,534	157,340	6,251	513,429	7,140	10,874	4,257	2017-09-15 12:05
119,667	54,852	0,365	0,357	6942,482	7318,147	126,143	6,343	513,429	7,213	11,000	4,282	2017-09-15 12:05
119,833	54,858	0,365	0,357	6941,147	7329,461	100,182	6,580	513,429	7,513	11,039	4,289	2017-09-15 12:05
120,000	54,862	0,364	0,357	6929,704	7310,940	115,897	6,816	513,336	7,356	11,185	4,318	2017-09-15 12:05
120,167	54,868	0,364	0,357	6917,130	7302,790	166,016	6,667	513,429	7,326	11,032	4,288	2017-09-15 12:05
120,333	54,873	0,364	0,357	6896,939	7275,862	185,296	6,248	513,336	7,585	11,256	4,331	2017-09-15 12:06
120,500	54,888	0,364	0,357	6882,693	7272,153	165,175	5,698	513,429	7,698	11,257	4,331	2017-09-15 12:06
120,667	54,904	0,364	0,357	6876,432	7267,518	177,770	5,359	513,336	7,349	11,169	4,314	2017-09-15 12:06
120,833	54,912	0,364	0,357	6869,018	7259,901	124,507	5,435	513,429	7,223	11,092	4,300	2017-09-15 12:06
121,000	54,918	0,364	0,357	6860,494	7236,876	107,520	5,766	513,429	7,739	11,179	4,317	2017-09-15 12:06
121,167	54,921	0,364	0,357	6849,575	7211,137	96,645	6,105	513,429	7,363	11,156	4,312	2017-09-15 12:06
121,333	54,925	0,364	0,357	6831,230	7222,694	98,705	6,445	513,336	7,383	11,029	4,287	2017-09-15 12:07
121,500	54,929	0,364	0,357	6819,867	7211,967	128,693	6,640	513,336	7,389	11,087	4,299	2017-09-15 12:07
121,667	54,935	0,364	0,357	6817,217	7196,782	102,694	6,669	513,336	7,348	11,122	4,305	2017-09-15 12:07
121,833	54,939	0,364	0,357	6802,839	7233,274	105,647	6,632	513,336	7,255	10,969	4,276	2017-09-15 12:07
122,000	54,943	0,364	0,357	6789,304	7204,822	112,860	6,485	513,429	7,567	11,181	4,317	2017-09-15 12:07
122,167	54,947	0,364	0,357	6779,595	7168,548	107,058	6,150	513,336	7,344	11,097	4,300	2017-09-15 12:07
122,334	54,959	0,364	0,357	6778,922	7147,151	117,999	6,311	513,336	7,497	11,020	4,286	2017-09-15 12:08
122,500	54,967	0,365	0,357	6773,343	7222,473	84,061	6,613	513,336	7,203	11,096	4,300	2017-09-15 12:08
122,667	54,972	0,364	0,357	6765,819	7217,291	78,831	7,133	513,336	7,064	11,009	4,283	2017-09-15 12:08

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
122,834	0,210	0,508	0,538	0,185	0,269	71,545	20,171	20,361	-15,682	21,230	20,440	20,638	21,469	20,387	75,296	57,981	71,476
123,000	0,207	0,515	0,538	0,181	0,273	71,645	20,193	23,245	-15,737	21,267	20,474	20,656	21,497	20,415	75,340	57,990	71,461
123,167	0,209	0,508	0,538	0,185	0,275	71,675	20,250	23,381	-14,440	21,298	20,503	20,686	21,528	20,444	75,409	57,992	71,472
123,334	0,213	0,487	0,538	0,190	0,271	71,671	20,203	17,712	-14,869	21,246	20,441	20,625	21,477	20,392	75,452	57,989	71,484
123,500	0,215	0,462	0,538	0,177	0,274	71,684	20,285	19,726	-14,479	21,241	20,463	20,643	21,478	20,395	75,387	57,994	71,503
123,667	0,221	0,441	0,538	0,185	0,269	71,747	20,313	29,790	-13,287	21,242	20,452	20,636	21,477	20,390	75,393	58,000	71,516
123,834	0,228	0,437	0,538	0,186	0,272	71,830	20,282	25,723	-14,402	21,255	20,462	20,643	21,492	20,404	75,375	58,015	71,559
124,000	0,220	0,442	0,538	0,185	0,275	71,855	20,246	23,229	-14,061	21,227	20,459	20,617	21,462	20,376	75,356	58,006	71,577
124,167	0,217	0,445	0,537	0,185	0,270	71,978	20,217	9,185	-9999,000	21,245	20,460	20,643	21,493	20,399	75,347	58,015	71,596
124,334	0,220	0,444	0,537	0,188	0,272	72,031	20,211	14,556	21,744	21,237	20,439	20,622	21,457	20,380	75,393	58,005	71,590
124,500	0,220	0,437	0,538	0,195	0,277	72,028	20,230	2,591	21,876	21,260	20,448	20,635	21,487	20,394	75,378	58,015	71,590
124,667	0,221	0,440	0,537	0,186	0,277	72,118	20,196	16,945	22,285	21,236	20,433	20,634	21,483	20,392	75,352	58,024	71,577
124,833	0,222	0,447	0,537	0,186	0,278	72,215	20,211	15,656	22,322	21,252	20,452	20,644	21,485	20,388	75,412	58,027	71,571
125,000	0,216	0,469	0,537	0,181	0,278	72,264	20,171	15,776	22,385	21,270	20,454	20,646	21,520	20,404	75,464	58,029	71,575
125,167	0,212	0,492	0,537	0,184	0,273	72,337	20,155	19,707	22,420	21,266	20,468	20,654	21,513	20,415	75,489	58,035	71,575
125,333	0,212	0,501	0,537	0,183	0,276	72,404	20,164	23,737	22,416	21,254	20,460	20,618	21,495	20,383	75,499	58,031	71,574
125,500	0,212	0,500	0,537	0,186	0,277	72,475	20,174	24,145	22,424	21,258	20,450	20,630	21,500	20,386	75,613	58,033	71,592
125,667	0,213	0,491	0,537	0,188	0,281	72,611	20,201	18,536	22,439	21,264	20,448	20,632	21,489	20,387	75,726	58,035	71,608
125,833	0,210	0,490	0,537	0,188	0,268	72,656	20,207	21,246	22,440	21,251	20,456	20,622	21,483	20,383	75,720	58,044	71,629
126,000	0,210	0,501	0,537	0,189	0,270	72,738	20,144	23,903	22,444	21,260	20,443	20,622	21,496	20,383	75,732	58,048	71,662
126,167	0,210	0,513	0,537	0,182	0,273	72,827	20,206	20,613	22,426	21,267	20,478	20,631	21,508	20,391	75,817	58,055	71,712
126,333	0,207	0,525	0,537	0,183	0,273	72,885	20,225	16,246	22,428	21,260	20,444	20,632	21,491	20,390	75,846	58,055	71,762
126,500	0,208	0,522	0,537	0,200	0,274	72,977	20,207	26,552	22,405	21,265	20,435	20,617	21,492	20,384	76,053	58,048	71,800
126,667	0,208	0,514	0,537	0,184	0,270	73,061	20,192	30,888	22,407	21,261	20,455	20,631	21,495	20,386	76,119	58,058	71,828
126,833	0,210	0,510	0,537	0,193	0,272	73,160	20,204	23,687	22,418	21,269	20,463	20,628	21,502	20,383	76,068	58,071	71,868
127,000	0,211	0,520	0,537	0,192	0,275	73,276	20,221	17,827	22,400	21,275	20,448	20,618	21,508	20,392	76,157	58,082	71,924
127,167	0,213	0,522	0,537	0,191	0,277	73,396	20,227	18,393	22,391	21,289	20,479	20,637	21,518	20,403	76,269	58,099	71,995
127,333	0,211	0,522	0,537	0,189	0,269	73,493	20,239	20,361	22,385	21,305	20,484	20,664	21,536	20,412	76,388	58,111	72,048
127,500	0,210	0,520	0,537	0,191	0,272	73,594	20,194	25,543	22,373	21,286	20,472	20,642	21,521	20,394	76,564	58,114	72,103
127,667	0,205	0,530	0,537	0,195	0,278	73,712	20,125	23,470	22,361	21,287	20,471	20,648	21,534	20,402	76,574	58,123	72,164
127,833	0,206	0,533	0,537	0,196	0,275	73,792	20,170	17,563	22,336	21,294	20,460	20,642	21,527	20,400	76,737	58,134	72,241
128,000	0,207	0,527	0,537	0,190	0,280	73,904	20,186	17,141	22,348	21,304	20,512	20,670	21,543	20,415	76,779	58,146	72,310
128,167	0,206	0,526	0,537	0,193	0,277	73,946	20,184	25,172	22,326	21,296	20,481	20,654	21,539	20,410	76,868	58,152	72,389
128,333	0,208	0,520	0,536	0,187	0,277	73,991	20,228	25,340	22,287	21,301	20,491	20,638	21,528	20,392	76,961	58,150	72,462
128,500	0,206	0,532	0,536	0,202	0,279	74,086	20,206	20,721	22,284	21,293	20,473	20,640	21,532	20,395	77,135	58,156	72,546
128,667	0,206	0,539	0,536	0,189	0,274	74,188	20,255	16,454	22,305	21,298	20,489	20,659	21,538	20,402	77,225	58,158	72,616
128,833	0,207	0,535	0,536	0,195	0,269	74,179	20,220	22,278	22,291	21,289	20,468	20,646	21,538	20,396	77,300	58,157	72,684

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
122,834	54,980	0,364	0,357	6746,920	7222,182	69,867	7,710	513,337	7,401	10,775	4,238	2017-09-15 12:08
123,000	54,988	0,365	0,358	6755,414	7241,702	53,603	7,872	513,336	7,229	10,907	4,264	2017-09-15 12:08
123,167	54,992	0,364	0,357	6744,552	7263,231	62,220	7,702	513,336	7,406	11,008	4,283	2017-09-15 12:08
123,334	54,993	0,364	0,357	6749,486	7274,245	88,206	7,166	513,337	7,585	10,856	4,254	2017-09-15 12:09
123,500	54,995	0,365	0,357	6753,781	7257,992	104,529	6,553	513,336	7,065	10,973	4,276	2017-09-15 12:09
123,667	54,997	0,364	0,358	6768,278	7256,031	140,284	6,032	513,429	7,409	10,757	4,234	2017-09-15 12:09
123,834	54,997	0,364	0,357	6777,602	7241,277	180,470	5,917	513,336	7,428	10,895	4,261	2017-09-15 12:09
124,000	54,999	0,364	0,357	6784,926	7232,613	136,011	6,052	513,337	7,409	10,996	4,281	2017-09-15 12:09
124,167	55,004	0,364	0,357	6794,572	7228,229	112,558	6,113	513,241	7,399	10,818	4,246	2017-09-15 12:09
124,334	55,007	0,365	0,357	6783,543	7254,507	133,912	6,106	513,241	7,508	10,881	4,259	2017-09-15 12:10
124,500	55,014	0,364	0,357	6789,697	7235,052	133,512	5,931	513,336	7,804	11,062	4,294	2017-09-15 12:10
124,667	55,016	0,364	0,358	6789,052	7227,747	137,956	5,994	513,241	7,452	11,061	4,294	2017-09-15 12:10
124,833	55,018	0,365	0,357	6780,962	7259,478	143,429	6,179	513,241	7,459	11,131	4,307	2017-09-15 12:10
125,000	55,018	0,365	0,358	6784,342	7282,053	108,378	6,721	513,241	7,226	11,120	4,305	2017-09-15 12:10
125,167	55,018	0,364	0,357	6775,954	7281,314	85,026	7,299	513,241	7,363	10,936	4,269	2017-09-15 12:10
125,333	55,016	0,364	0,357	6771,838	7287,015	80,433	7,521	513,241	7,305	11,036	4,289	2017-09-15 12:11
125,500	55,015	0,364	0,357	6783,700	7327,480	81,079	7,509	513,241	7,447	11,081	4,297	2017-09-15 12:11
125,667	55,014	0,365	0,357	6793,961	7384,898	91,350	7,276	513,241	7,540	11,229	4,326	2017-09-15 12:11
125,833	55,015	0,364	0,357	6802,791	7371,708	73,533	7,261	513,241	7,505	10,708	4,225	2017-09-15 12:11
126,000	55,016	0,364	0,357	6811,895	7368,836	69,965	7,513	513,241	7,576	10,814	4,245	2017-09-15 12:11
126,167	55,018	0,365	0,357	6830,074	7413,467	73,220	7,821	513,241	7,299	10,905	4,263	2017-09-15 12:11
126,333	55,018	0,364	0,357	6849,841	7422,048	53,826	8,121	513,242	7,317	10,913	4,265	2017-09-15 12:12
126,500	55,019	0,364	0,357	6866,666	7507,263	58,853	8,056	513,241	7,999	10,971	4,276	2017-09-15 12:12
126,667	55,020	0,364	0,357	6879,470	7527,595	59,906	7,850	513,148	7,348	10,795	4,242	2017-09-15 12:12
126,833	55,018	0,364	0,357	6895,946	7506,916	73,536	7,760	513,148	7,711	10,892	4,261	2017-09-15 12:12
127,000	55,018	0,364	0,357	6921,764	7535,204	74,349	7,992	513,148	7,693	11,004	4,283	2017-09-15 12:12
127,167	55,015	0,365	0,357	6951,497	7582,796	86,646	8,039	513,148	7,641	11,086	4,298	2017-09-15 12:12
127,333	55,012	0,364	0,357	6966,785	7624,705	74,158	8,050	513,148	7,545	10,751	4,233	2017-09-15 12:13
127,500	54,999	0,364	0,357	6994,419	7695,524	68,054	8,010	513,148	7,653	10,891	4,260	2017-09-15 12:13
127,667	54,981	0,364	0,357	7023,273	7684,327	41,481	8,239	513,148	7,788	11,118	4,305	2017-09-15 12:13
127,833	54,963	0,363	0,356	7050,678	7736,824	46,981	8,321	513,148	7,860	11,006	4,283	2017-09-15 12:13
128,000	54,953	0,365	0,357	7095,770	7774,680	49,222	8,174	513,148	7,604	11,210	4,322	2017-09-15 12:13
128,167	54,943	0,365	0,357	7141,622	7809,592	47,530	8,155	513,148	7,707	11,070	4,295	2017-09-15 12:13
128,333	54,939	0,364	0,357	7172,614	7847,168	58,784	8,005	513,054	7,466	11,075	4,296	2017-09-15 12:14
128,500	54,936	0,364	0,357	7206,020	7911,432	46,509	8,305	513,054	8,074	11,151	4,311	2017-09-15 12:14
128,667	54,932	0,365	0,357	7237,719	7956,091	47,349	8,478	513,054	7,559	10,943	4,271	2017-09-15 12:14
128,833	54,929	0,364	0,357	7258,215	7978,220	50,066	8,385	513,054	7,816	10,758	4,234	2017-09-15 12:14

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
129,000	0,207	0,526	0,536	0,200	0,272	74,227	20,234	19,478	22,306	21,311	20,504	20,670	21,560	20,423	77,315	58,172	72,773
129,167	0,209	0,514	0,536	0,194	0,276	74,290	20,243	23,976	22,287	21,309	20,504	20,667	21,545	20,414	77,433	58,174	72,848
129,334	0,212	0,525	0,536	0,188	0,277	74,402	20,235	16,432	22,258	21,310	20,498	20,655	21,556	20,410	77,505	58,186	72,947
129,500	0,206	0,530	0,536	0,196	0,280	74,473	20,222	20,894	22,256	21,317	20,512	20,675	21,569	20,420	77,643	58,199	73,028
129,667	0,205	0,546	0,536	0,188	0,271	74,484	20,207	25,875	22,228	21,300	20,492	20,641	21,548	20,402	77,646	58,212	73,104
129,834	0,206	0,543	0,536	0,191	0,270	74,535	20,212	24,803	22,225	21,310	20,517	20,682	21,553	20,410	77,705	58,227	73,175
130,000	0,206	0,542	0,536	0,195	0,269	74,573	20,181	20,229	22,210	21,294	20,497	20,648	21,553	20,403	77,778	58,225	73,228
130,167	0,206	0,540	0,536	0,200	0,273	74,596	20,203	19,797	22,218	21,300	20,502	20,671	21,566	20,412	77,910	58,236	73,291
130,334	0,204	0,539	0,536	0,194	0,274	74,616	20,173	21,388	22,180	21,288	20,495	20,644	21,558	20,396	77,918	58,242	73,353
130,500	0,203	0,543	0,536	0,197	0,271	74,699	20,129	15,287	22,184	21,292	20,494	20,646	21,554	20,402	78,075	58,255	73,414
130,667	0,203	0,542	0,536	0,187	0,275	74,685	20,125	25,400	22,163	21,292	20,480	20,656	21,554	20,399	78,069	58,251	73,467
130,834	0,204	0,566	0,536	0,185	0,278	74,732	20,168	24,598	22,170	21,297	20,501	20,668	21,567	20,411	78,286	58,258	73,536
131,000	0,203	0,575	0,535	0,193	0,276	74,723	20,001	19,869	22,146	21,290	20,489	20,646	21,555	20,399	78,312	58,259	73,609
131,167	0,202	0,595	0,536	0,197	0,277	74,776	20,086	26,230	22,157	21,293	20,501	20,650	21,563	20,403	78,402	58,267	73,675
131,334	0,202	0,605	0,536	0,199	0,277	74,832	20,206	20,994	22,145	21,295	20,518	20,659	21,573	20,412	78,671	58,270	73,733
131,500	0,202	0,578	0,535	0,191	0,272	74,882	20,168	23,508	22,103	21,283	20,499	20,646	21,567	20,398	78,659	58,278	73,800
131,667	0,203	0,554	0,535	0,184	0,277	74,892	20,200	21,366	22,113	21,289	20,502	20,652	21,559	20,399	78,694	58,291	73,884
131,833	0,204	0,539	0,535	0,191	0,272	74,964	20,193	23,809	22,110	21,293	20,499	20,665	21,563	20,399	78,729	58,303	73,971
132,000	0,203	0,557	0,535	0,191	0,273	74,977	20,185	28,296	22,097	21,311	20,496	20,656	21,576	20,407	78,826	58,314	74,054
132,167	0,202	0,573	0,535	0,189	0,272	74,972	20,159	24,087	22,090	21,293	20,507	20,651	21,576	20,402	78,934	58,317	74,118
132,333	0,203	0,568	0,535	0,195	0,273	74,971	20,155	27,028	22,085	21,297	20,509	20,655	21,574	20,408	78,962	58,321	74,184
132,500	0,204	0,555	0,535	0,190	0,266	74,976	20,159	19,750	22,077	21,294	20,496	20,647	21,576	20,398	79,035	58,333	74,250
132,667	0,204	0,557	0,535	0,189	0,277	74,997	20,188	16,961	22,068	21,310	20,511	20,664	21,579	20,410	79,093	58,336	74,319
132,833	0,203	0,550	0,535	0,186	0,273	74,976	20,160	18,252	22,073	21,309	20,516	20,668	21,586	20,418	79,131	58,340	74,380
133,000	0,206	0,535	0,535	0,188	0,277	74,915	20,105	19,198	22,067	21,305	20,514	20,654	21,583	20,407	79,132	58,342	74,430
133,167	0,204	0,538	0,535	0,192	0,276	74,835	20,158	26,997	22,076	21,320	20,547	20,683	21,594	20,422	79,165	58,364	74,477
133,333	0,205	0,535	0,535	0,194	0,278	74,813	20,164	26,806	22,050	21,307	20,555	20,675	21,597	20,418	79,208	58,383	74,524
133,500	0,207	0,521	0,535	0,196	0,268	74,789	20,147	28,217	22,046	21,313	20,538	20,685	21,584	20,418	79,148	58,395	74,578
133,667	0,212	0,504	0,535	0,187	0,274	74,745	20,146	21,241	22,036	21,303	20,546	20,681	21,595	20,420	79,140	58,412	74,619
133,833	0,210	0,500	0,535	0,188	0,280	74,727	20,233	24,516	22,045	21,328	20,562	20,694	21,624	20,444	79,204	58,430	74,658
134,000	0,211	0,506	0,535	0,190	0,275	74,689	20,180	20,385	22,035	21,330	20,560	20,707	21,615	20,438	79,212	58,440	74,688
134,167	0,209	0,513	0,535	0,192	0,273	74,673	20,172	25,625	22,005	21,330	20,546	20,696	21,613	20,435	79,185	58,448	74,703
134,333	0,212	0,516	0,535	0,196	0,273	74,597	20,172	19,410	21,981	21,284	20,511	20,656	21,593	20,402	79,155	58,447	74,704
134,500	0,215	0,505	0,535	0,197	0,271	74,606	20,187	26,108	21,968	21,284	20,513	20,661	21,583	20,406	79,189	58,457	74,712
134,667	0,221	0,492	0,535	0,178	0,271	74,553	20,199	23,133	21,970	21,300	20,530	20,662	21,591	20,410	79,179	58,461	74,730
134,833	0,214	0,483	0,535	0,190	0,272	74,528	20,228	18,408	21,967	21,306	20,522	20,680	21,593	20,416	79,156	58,469	74,731
135,000	0,211	0,492	0,535	0,188	0,278	74,466	20,235	16,333	21,950	21,299	20,534	20,667	21,596	20,416	79,158	58,470	74,723

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
129,000	54,922	0,364	0,357	7296,721	7980,089	50,681	8,158	513,054	7,984	10,881	4,258	2017-09-15 12:14
129,167	54,925	0,364	0,357	7332,407	8024,028	66,799	7,848	513,054	7,772	11,032	4,288	2017-09-15 12:14
129,334	54,916	0,364	0,357	7377,288	8055,996	80,256	8,129	513,054	7,527	11,099	4,301	2017-09-15 12:15
129,500	54,904	0,365	0,357	7416,185	8117,394	46,703	8,261	513,054	7,820	11,192	4,319	2017-09-15 12:15
129,667	54,888	0,364	0,357	7446,457	8107,935	40,421	8,644	513,054	7,531	10,823	4,247	2017-09-15 12:15
129,834	54,876	0,365	0,357	7493,385	8131,449	47,349	8,565	513,054	7,630	10,790	4,241	2017-09-15 12:15
130,000	54,862	0,364	0,357	7515,771	8157,511	45,223	8,549	512,961	7,790	10,768	4,236	2017-09-15 12:15
130,167	54,857	0,364	0,357	7543,981	8198,493	42,503	8,490	512,962	7,998	10,925	4,267	2017-09-15 12:15
130,334	54,850	0,364	0,357	7572,948	8200,441	34,741	8,483	512,962	7,774	10,960	4,274	2017-09-15 12:16
130,500	54,846	0,364	0,357	7590,687	8262,074	27,625	8,576	512,963	7,897	10,845	4,251	2017-09-15 12:16
130,667	54,842	0,364	0,357	7621,999	8260,115	26,360	8,549	512,962	7,488	11,001	4,282	2017-09-15 12:16
130,834	54,841	0,364	0,357	7644,772	8353,031	30,314	9,140	512,962	7,389	11,123	4,306	2017-09-15 12:16
131,000	54,838	0,364	0,357	7680,407	8360,911	26,572	9,378	512,819	7,716	11,039	4,289	2017-09-15 12:16
131,167	54,829	0,364	0,357	7703,974	8396,115	20,693	9,875	512,962	7,871	11,067	4,295	2017-09-15 12:16
131,334	54,829	0,364	0,357	7731,072	8494,728	21,750	10,135	512,961	7,945	11,086	4,298	2017-09-15 12:17
131,500	54,817	0,364	0,357	7769,189	8496,350	20,290	9,447	512,819	7,653	10,880	4,258	2017-09-15 12:17
131,667	54,803	0,364	0,357	7802,905	8503,321	28,869	8,843	512,819	7,351	11,095	4,300	2017-09-15 12:17
131,833	54,795	0,364	0,356	7832,502	8510,570	35,581	8,481	512,819	7,656	10,860	4,254	2017-09-15 12:17
132,000	54,786	0,364	0,356	7867,216	8544,559	27,062	8,933	512,820	7,654	10,918	4,266	2017-09-15 12:17
132,167	54,779	0,363	0,356	7895,147	8577,417	20,283	9,336	512,819	7,578	10,899	4,262	2017-09-15 12:17
132,333	54,783	0,364	0,356	7924,757	8599,194	28,247	9,197	512,819	7,794	10,905	4,263	2017-09-15 12:18
132,500	54,793	0,364	0,357	7951,580	8634,129	32,791	8,886	512,819	7,597	10,635	4,210	2017-09-15 12:18
132,667	54,810	0,364	0,357	7984,510	8651,980	32,941	8,931	512,819	7,543	11,087	4,299	2017-09-15 12:18
132,833	54,821	0,364	0,357	8006,425	8670,458	29,727	8,738	512,820	7,447	10,934	4,269	2017-09-15 12:18
133,000	54,823	0,364	0,357	8013,825	8661,953	42,694	8,370	512,819	7,504	11,082	4,298	2017-09-15 12:18
133,167	54,829	0,364	0,356	8024,480	8656,754	32,013	8,452	512,820	7,661	11,047	4,291	2017-09-15 12:18
133,333	54,830	0,364	0,357	8056,899	8682,414	40,407	8,364	512,726	7,752	11,134	4,308	2017-09-15 12:19
133,500	54,823	0,364	0,357	8086,710	8653,135	53,398	8,035	512,726	7,858	10,705	4,224	2017-09-15 12:19
133,667	54,817	0,364	0,357	8097,488	8639,469	85,471	7,612	512,819	7,466	10,979	4,278	2017-09-15 12:19
133,833	54,811	0,364	0,357	8119,429	8657,994	69,965	7,509	512,725	7,511	11,184	4,317	2017-09-15 12:19
134,000	54,809	0,364	0,357	8131,892	8660,381	76,059	7,652	512,726	7,614	10,989	4,280	2017-09-15 12:19
134,167	54,811	0,364	0,357	8132,562	8647,186	67,258	7,837	512,725	7,676	10,925	4,267	2017-09-15 12:19
134,333	54,815	0,364	0,357	8127,954	8627,447	83,390	7,896	512,726	7,842	10,910	4,264	2017-09-15 12:20
134,500	54,823	0,364	0,356	8127,135	8642,555	99,803	7,625	512,725	7,887	10,831	4,249	2017-09-15 12:20
134,667	54,837	0,364	0,357	8135,378	8643,616	140,052	7,291	512,726	7,123	10,847	4,252	2017-09-15 12:20
134,833	54,848	0,364	0,357	8129,271	8613,725	94,758	7,075	512,726	7,585	10,882	4,259	2017-09-15 12:20
135,000	54,856	0,364	0,357	8119,753	8615,183	74,940	7,297	512,725	7,517	11,125	4,306	2017-09-15 12:20

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
135,167	0,208	0,517	0,535	0,189	0,274	74,384	20,279	24,542	21,931	21,301	20,538	20,655	21,609	20,415	79,148	58,475	74,722
135,333	0,206	0,533	0,535	0,191	0,275	74,344	20,286	25,767	21,968	21,320	20,560	20,699	21,633	20,438	79,173	58,491	74,728
135,500	0,209	0,534	0,535	0,187	0,275	74,186	20,236	24,385	21,927	21,291	20,545	20,660	21,603	20,412	79,155	58,493	74,722
135,667	0,212	0,503	0,535	0,186	0,271	74,251	20,263	18,094	21,950	21,312	20,576	20,692	21,607	20,435	79,123	58,504	74,724
135,833	0,215	0,487	0,535	0,194	0,271	74,239	20,281	26,187	21,963	21,340	20,588	20,719	21,640	20,453	79,155	58,505	74,723
136,000	0,215	0,488	0,535	0,190	0,275	74,179	20,260	14,415	21,948	21,320	20,572	20,713	21,635	20,447	79,139	58,514	74,726
136,167	0,216	0,496	0,535	0,190	0,274	74,073	20,245	18,005	21,944	21,323	20,582	20,717	21,662	20,455	79,100	58,513	74,726
136,334	0,212	0,497	0,535	0,189	0,273	74,075	20,246	19,087	21,955	21,353	20,603	20,726	21,676	20,473	79,113	58,509	74,730
136,500	0,211	0,489	0,535	0,191	0,277	73,963	20,251	15,999	21,902	21,307	20,567	20,701	21,626	20,432	79,066	58,505	74,715
136,667	0,210	0,482	0,535	0,190	0,274	73,928	20,282	16,477	21,919	21,300	20,572	20,695	21,636	20,435	79,090	58,509	74,711
136,834	0,209	0,479	0,535	0,185	0,272	73,811	20,257	24,302	21,897	21,286	20,547	20,667	21,614	20,419	78,996	58,516	74,699
137,000	0,212	0,492	0,535	0,186	0,280	73,721	20,236	19,259	21,893	21,295	20,536	20,673	21,612	20,415	78,919	58,505	74,692
137,167	0,216	0,507	0,535	0,188	0,283	73,663	20,163	24,855	21,875	21,284	20,560	20,679	21,610	20,418	78,892	58,504	74,684
137,334	0,217	0,494	0,535	0,191	0,279	73,582	20,090	20,510	21,869	21,271	20,553	20,666	21,617	20,415	78,885	58,505	74,673
137,500	0,219	0,475	0,535	0,194	0,274	73,563	20,129	18,520	21,870	21,283	20,565	20,683	21,629	20,424	78,823	58,513	74,651
137,667	0,222	0,468	0,534	0,185	0,278	73,516	20,133	11,926	21,879	21,284	20,566	20,687	21,617	20,418	78,733	58,518	74,619
137,834	0,225	0,469	0,534	0,190	0,280	73,458	20,149	16,525	21,852	21,284	20,564	20,687	21,627	20,418	78,641	58,524	74,596
138,000	0,224	0,470	0,535	0,184	0,276	73,409	20,143	19,401	21,840	21,279	20,564	20,684	21,619	20,412	78,665	58,529	74,572
138,167	0,220	0,466	0,535	0,194	0,276	73,313	20,129	16,054	21,841	21,289	20,562	20,672	21,633	20,411	78,555	58,529	74,532
138,334	0,225	0,461	0,535	0,192	0,279	73,250	20,112	19,367	21,836	21,287	20,564	20,675	21,626	20,416	78,455	58,528	74,481
138,500	0,217	0,447	0,535	0,193	0,275	73,190	20,176	16,889	21,828	21,288	20,564	20,666	21,617	20,418	78,447	58,538	74,432
138,667	0,217	0,450	0,535	0,189	0,274	73,191	20,235	20,822	21,827	21,301	20,577	20,696	21,621	20,422	78,358	58,541	74,387
138,833	0,215	0,458	0,535	0,185	0,278	73,121	20,258	21,939	21,811	21,286	20,577	20,679	21,623	20,415	78,271	58,533	74,341
139,000	0,218	0,472	0,534	0,184	0,273	73,105	20,292	22,416	21,792	21,295	20,552	20,685	21,644	20,418	78,282	58,526	74,293
139,167	0,217	0,485	0,534	0,187	0,278	73,068	20,302	23,126	21,816	21,313	20,583	20,700	21,641	20,440	78,151	58,532	74,243
139,333	0,214	0,497	0,534	0,183	0,273	72,973	20,243	21,787	21,805	21,293	20,573	20,685	21,638	20,419	78,155	58,532	74,184
139,500	0,215	0,506	0,534	0,181	0,274	72,971	20,262	16,865	21,808	21,327	20,588	20,712	21,653	20,452	78,172	58,533	74,139
139,667	0,209	0,502	0,534	0,185	0,278	72,887	20,236	19,608	21,779	21,298	20,587	20,685	21,647	20,426	78,112	58,534	74,091
139,833	0,209	0,513	0,534	0,187	0,273	72,800	20,249	22,834	21,782	21,298	20,589	20,688	21,653	20,434	78,098	58,529	74,050
140,000	0,213	0,517	0,534	0,185	0,281	72,747	20,296	21,732	21,779	21,287	20,582	20,687	21,645	20,424	78,073	58,524	74,014
140,167	0,213	0,508	0,534	0,190	0,274	72,711	20,306	18,718	21,785	21,306	20,630	20,725	21,667	20,453	78,100	58,528	73,992
140,333	0,217	0,499	0,534	0,185	0,270	72,646	20,286	20,247	21,778	21,294	20,596	20,704	21,651	20,440	78,050	58,522	73,972
140,500	0,218	0,485	0,534	0,181	0,277	72,601	20,256	27,116	21,762	21,275	20,588	20,693	21,656	20,428	77,955	58,512	73,948
140,667	0,218	0,474	0,534	0,184	0,274	72,503	20,299	24,025	21,741	21,288	20,589	20,700	21,650	20,426	77,948	58,501	73,925
140,833	0,217	0,466	0,534	0,180	0,272	72,525	20,388	18,415	21,773	21,312	20,617	20,726	21,679	20,452	77,857	58,517	73,908
141,000	0,218	0,465	0,534	0,185	0,275	72,457	20,275	16,603	21,739	21,275	20,584	20,691	21,647	20,427	77,824	58,506	73,887
141,167	0,218	0,467	0,534	0,194	0,276	72,383	20,273	16,470	21,737	21,285	20,588	20,697	21,638	20,427	77,794	58,508	73,857

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
135,167	54,862	0,364	0,357	8120,124	8609,852	59,798	7,925	512,725	7,550	10,966	4,275	2017-09-15 12:20
135,333	54,866	0,364	0,357	8120,417	8607,958	44,591	8,324	512,725	7,642	11,009	4,283	2017-09-15 12:21
135,500	54,866	0,364	0,357	8118,464	8600,946	61,800	8,339	512,725	7,472	10,994	4,281	2017-09-15 12:21
135,667	54,873	0,364	0,357	8116,005	8590,785	80,454	7,587	512,725	7,450	10,835	4,249	2017-09-15 12:21
135,833	54,868	0,364	0,357	8126,287	8611,031	101,638	7,170	512,725	7,777	10,858	4,254	2017-09-15 12:21
136,000	54,869	0,364	0,357	8117,514	8603,360	103,462	7,200	512,726	7,613	11,014	4,284	2017-09-15 12:21
136,167	54,874	0,364	0,357	8114,569	8577,260	106,377	7,401	512,726	7,600	10,947	4,271	2017-09-15 12:21
136,334	54,881	0,364	0,356	8108,533	8575,273	85,530	7,419	512,726	7,558	10,900	4,262	2017-09-15 12:22
136,500	54,888	0,364	0,356	8100,315	8565,127	79,158	7,232	512,725	7,643	11,092	4,300	2017-09-15 12:22
136,667	54,900	0,364	0,357	8101,673	8571,521	72,091	7,042	512,725	7,609	10,971	4,276	2017-09-15 12:22
136,834	54,906	0,364	0,357	8097,412	8539,999	62,842	6,971	512,725	7,381	10,885	4,259	2017-09-15 12:22
137,000	54,918	0,364	0,357	8096,831	8505,206	85,631	7,290	512,725	7,454	11,184	4,317	2017-09-15 12:22
137,167	54,924	0,364	0,357	8089,244	8498,231	105,842	7,674	512,725	7,521	11,324	4,344	2017-09-15 12:22
137,334	54,929	0,364	0,357	8074,649	8489,692	115,911	7,352	512,726	7,630	11,143	4,309	2017-09-15 12:23
137,500	54,932	0,364	0,357	8059,786	8466,977	124,896	6,877	512,725	7,740	10,948	4,272	2017-09-15 12:23
137,667	54,932	0,364	0,356	8038,589	8416,151	143,144	6,709	512,632	7,418	11,108	4,303	2017-09-15 12:23
137,834	54,937	0,364	0,357	8039,795	8378,464	162,048	6,724	512,632	7,619	11,212	4,323	2017-09-15 12:23
138,000	54,944	0,364	0,357	8030,723	8391,450	159,696	6,755	512,726	7,367	11,028	4,287	2017-09-15 12:23
138,167	54,948	0,364	0,357	8023,559	8354,322	132,866	6,644	512,726	7,762	11,027	4,287	2017-09-15 12:23
138,334	54,960	0,364	0,357	7989,032	8304,738	162,041	6,525	512,726	7,686	11,164	4,314	2017-09-15 12:24
138,500	54,971	0,364	0,357	7965,471	8294,865	114,160	6,173	512,725	7,724	11,009	4,284	2017-09-15 12:24
138,667	54,981	0,364	0,356	7925,991	8252,944	111,669	6,245	512,726	7,564	10,969	4,276	2017-09-15 12:24
138,833	54,992	0,364	0,357	7909,178	8221,152	102,489	6,460	512,726	7,414	11,104	4,302	2017-09-15 12:24
139,000	55,004	0,364	0,356	7875,683	8227,656	121,960	6,801	512,658	7,373	10,902	4,263	2017-09-15 12:24
139,167	55,014	0,364	0,356	7856,961	8170,826	115,675	7,123	512,632	7,464	11,131	4,307	2017-09-15 12:24
139,333	55,016	0,364	0,357	7835,106	8165,018	95,974	7,435	512,632	7,332	10,934	4,269	2017-09-15 12:25
139,500	55,027	0,364	0,356	7807,508	8174,541	101,652	7,640	512,632	7,228	10,944	4,271	2017-09-15 12:25
139,667	55,028	0,364	0,357	7791,998	8156,943	64,510	7,557	512,632	7,414	11,122	4,305	2017-09-15 12:25
139,833	55,032	0,364	0,357	7775,729	8157,729	64,072	7,813	512,632	7,488	10,931	4,268	2017-09-15 12:25
140,000	55,026	0,365	0,357	7769,047	8158,119	86,718	7,935	512,632	7,410	11,226	4,325	2017-09-15 12:25
140,167	55,035	0,364	0,357	7754,366	8160,229	92,177	7,700	512,633	7,614	10,942	4,270	2017-09-15 12:25
140,333	55,036	0,364	0,357	7737,883	8136,711	114,191	7,474	512,632	7,398	10,819	4,246	2017-09-15 12:26
140,500	55,044	0,364	0,356	7719,145	8091,663	120,904	7,121	512,632	7,252	11,089	4,299	2017-09-15 12:26
140,667	55,052	0,364	0,356	7708,594	8095,540	122,182	6,860	512,632	7,370	10,943	4,271	2017-09-15 12:26
140,833	55,063	0,364	0,357	7704,965	8057,109	113,979	6,647	512,632	7,215	10,863	4,255	2017-09-15 12:26
141,000	55,067	0,364	0,357	7696,588	8047,004	120,928	6,631	512,632	7,394	10,998	4,281	2017-09-15 12:26
141,167	55,076	0,364	0,357	7682,508	8035,974	122,401	6,670	512,632	7,774	11,044	4,290	2017-09-15 12:26

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
141,333	0,217	0,475	0,534	0,184	0,274	72,361	20,256	21,557	21,721	21,277	20,602	20,698	21,645	20,424	77,704	58,501	73,821
141,500	0,218	0,481	0,534	0,188	0,275	72,369	20,223	23,538	21,708	21,279	20,573	20,700	21,643	20,419	77,670	58,504	73,791
141,667	0,214	0,486	0,534	0,185	0,277	72,371	20,253	17,322	21,729	21,288	20,607	20,704	21,659	20,430	77,608	58,504	73,749
141,833	0,211	0,498	0,534	0,184	0,275	72,324	20,285	15,310	21,732	21,273	20,597	20,692	21,651	20,432	77,603	58,508	73,711
142,000	0,212	0,504	0,535	0,183	0,268	72,268	20,273	25,666	21,741	21,302	20,619	20,708	21,663	20,439	77,563	58,513	73,672
142,167	0,212	0,499	0,534	0,187	0,274	72,287	20,258	26,405	21,725	21,297	20,626	20,724	21,679	20,451	77,519	58,513	73,630
142,333	0,214	0,488	0,534	0,182	0,277	72,207	20,266	18,094	21,694	21,273	20,608	20,701	21,663	20,432	77,426	58,516	73,587
142,500	0,213	0,490	0,534	0,177	0,277	72,174	20,269	14,285	21,688	21,264	20,610	20,695	21,650	20,428	77,446	58,502	73,561
142,667	0,211	0,498	0,534	0,180	0,272	72,120	20,296	14,140	21,689	21,277	20,603	20,699	21,662	20,431	77,454	58,504	73,530
142,834	0,212	0,510	0,534	0,184	0,270	72,078	20,375	19,839	21,688	21,274	20,586	20,708	21,664	20,434	77,389	58,491	73,495
143,000	0,212	0,507	0,534	0,183	0,279	72,034	20,412	18,135	21,711	21,306	20,646	20,745	21,700	20,473	77,365	58,489	73,459
143,167	0,212	0,512	0,534	0,185	0,280	71,896	20,328	20,987	21,677	21,270	20,603	20,701	21,659	20,427	77,345	58,470	73,422
143,334	0,214	0,510	0,534	0,180	0,274	71,864	20,327	20,046	21,683	21,265	20,602	20,722	21,670	20,435	77,342	58,454	73,397
143,500	0,221	0,506	0,534	0,187	0,279	71,851	20,317	18,607	21,675	21,272	20,609	20,697	21,658	20,434	77,341	58,448	73,375
143,667	0,217	0,503	0,534	0,185	0,274	71,822	20,296	19,553	21,672	21,275	20,620	20,704	21,652	20,430	77,263	58,439	73,355
143,834	0,214	0,512	0,534	0,181	0,276	71,813	20,291	21,014	21,663	21,264	20,591	20,689	21,660	20,428	77,309	58,432	73,326
144,000	0,212	0,528	0,534	0,184	0,277	71,793	20,328	17,501	21,670	21,269	20,635	20,707	21,663	20,443	77,288	58,436	73,309
144,167	0,213	0,535	0,533	0,185	0,274	71,759	20,356	22,829	21,669	21,284	20,628	20,724	21,670	20,451	77,325	58,439	73,297
144,334	0,218	0,532	0,534	0,185	0,268	71,683	20,315	17,015	21,634	21,258	20,603	20,689	21,654	20,427	77,307	58,423	73,274
144,500	0,215	0,515	0,534	0,177	0,272	71,654	20,341	20,839	21,634	21,251	20,589	20,709	21,654	20,428	77,326	58,416	73,258
144,667	0,212	0,517	0,534	0,179	0,272	71,617	20,350	18,426	21,654	21,278	20,647	20,725	21,665	20,447	77,269	58,408	73,247
144,834	0,211	0,511	0,534	0,179	0,275	71,583	20,321	24,421	21,661	21,273	20,649	20,717	21,650	20,444	77,290	58,401	73,241
145,000	0,219	0,500	0,534	0,185	0,274	71,613	20,329	23,228	21,687	21,306	20,667	20,746	21,704	20,473	77,168	58,388	73,244
145,167	0,220	0,480	0,534	0,185	0,275	71,504	20,252	21,608	21,638	21,249	20,619	20,713	21,666	20,432	77,151	58,367	73,224
145,333	0,222	0,470	0,534	0,186	0,274	71,437	20,244	17,886	21,613	21,241	20,627	20,700	21,651	20,428	77,087	58,353	73,205
145,500	0,223	0,468	0,534	0,187	0,279	71,470	20,258	17,361	21,636	21,259	20,647	20,721	21,674	20,445	76,980	58,344	73,203
145,667	0,224	0,466	0,534	0,190	0,275	71,408	20,256	18,709	21,609	21,252	20,629	20,701	21,667	20,431	76,943	58,333	73,182
145,833	0,225	0,463	0,534	0,183	0,278	71,386	20,261	24,282	21,600	21,248	20,627	20,714	21,675	20,434	76,927	58,326	73,151
146,000	0,227	0,465	0,534	0,178	0,277	71,280	20,264	22,910	21,627	21,248	20,627	20,731	21,659	20,444	76,866	58,318	73,118
146,167	0,223	0,479	0,534	0,183	0,275	71,262	20,252	24,464	21,616	21,263	20,653	20,715	21,663	20,444	76,799	58,322	73,075
146,333	0,222	0,485	0,534	0,181	0,276	71,232	20,123	27,275	21,598	21,232	20,635	20,705	21,659	20,430	76,764	58,315	73,032
146,500	0,221	0,478	0,534	0,179	0,276	71,247	20,194	17,074	21,636	21,272	20,666	20,737	21,691	20,459	76,711	58,299	72,998
146,667	0,220	0,478	0,534	0,188	0,275	71,217	20,177	15,698	21,624	21,260	20,640	20,729	21,679	20,447	76,744	58,283	72,950
146,833	0,217	0,482	0,534	0,176	0,278	71,098	20,192	13,021	21,603	21,250	20,652	20,713	21,680	20,441	76,692	58,274	72,902
147,000	0,219	0,482	0,534	0,184	0,279	71,106	20,179	15,563	21,606	21,266	20,657	20,734	21,695	20,456	76,657	58,254	72,861
147,167	0,218	0,476	0,534	0,187	0,278	71,140	20,196	24,782	21,591	21,263	20,651	20,717	21,681	20,445	76,655	58,236	72,823
147,333	0,221	0,476	0,534	0,185	0,277	71,107	20,198	14,647	21,577	21,252	20,648	20,725	21,668	20,431	76,525	58,219	72,785

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
141,333	55,080	0,364	0,357	7659,133	8003,800	116,515	6,865	512,632	7,355	10,962	4,274	2017-09-15 12:27
141,500	55,087	0,364	0,357	7647,678	7989,397	120,921	7,016	512,632	7,513	11,005	4,283	2017-09-15 12:27
141,667	55,090	0,364	0,357	7631,378	7955,958	94,421	7,156	512,632	7,380	11,064	4,294	2017-09-15 12:27
141,833	55,089	0,364	0,357	7616,446	7958,751	79,175	7,444	512,632	7,369	11,005	4,283	2017-09-15 12:27
142,000	55,075	0,364	0,357	7602,657	7934,239	81,517	7,610	512,725	7,308	10,739	4,231	2017-09-15 12:27
142,167	55,064	0,364	0,356	7575,736	7908,188	84,630	7,467	512,632	7,464	10,947	4,271	2017-09-15 12:27
142,333	55,051	0,364	0,356	7563,006	7869,067	92,615	7,203	512,632	7,288	11,081	4,297	2017-09-15 12:28
142,500	55,044	0,364	0,356	7555,855	7882,349	86,128	7,245	512,632	7,076	11,064	4,294	2017-09-15 12:28
142,667	55,044	0,364	0,356	7547,176	7889,166	76,379	7,450	512,632	7,210	10,874	4,257	2017-09-15 12:28
142,834	55,051	0,364	0,356	7532,106	7871,422	85,697	7,739	512,632	7,356	10,816	4,246	2017-09-15 12:28
143,000	55,052	0,364	0,356	7516,698	7855,058	84,220	7,672	512,632	7,323	11,162	4,313	2017-09-15 12:28
143,167	55,054	0,364	0,357	7505,802	7860,389	80,027	7,798	512,632	7,384	11,194	4,319	2017-09-15 12:28
143,334	55,056	0,364	0,357	7494,197	7867,370	97,427	7,742	512,632	7,182	10,941	4,270	2017-09-15 12:29
143,500	55,058	0,364	0,357	7485,567	7871,200	137,046	7,661	512,632	7,479	11,144	4,310	2017-09-15 12:29
143,667	55,059	0,364	0,357	7477,298	7851,022	116,088	7,577	512,632	7,382	10,943	4,271	2017-09-15 12:29
143,834	55,048	0,364	0,357	7474,074	7869,002	95,537	7,796	512,632	7,241	11,024	4,286	2017-09-15 12:29
144,000	55,028	0,364	0,357	7471,955	7850,338	85,412	8,200	512,632	7,357	11,091	4,299	2017-09-15 12:29
144,167	55,012	0,364	0,357	7475,493	7863,606	91,343	8,381	512,444	7,401	10,953	4,273	2017-09-15 12:29
144,334	54,991	0,364	0,357	7474,347	7865,194	121,929	8,300	512,632	7,393	10,705	4,224	2017-09-15 12:30
144,500	54,973	0,364	0,357	7472,822	7885,769	99,577	7,872	512,538	7,095	10,873	4,257	2017-09-15 12:30
144,667	54,971	0,364	0,357	7470,823	7866,843	83,595	7,921	512,632	7,143	10,888	4,260	2017-09-15 12:30
144,834	54,964	0,364	0,357	7472,130	7873,585	78,147	7,787	512,632	7,147	10,988	4,279	2017-09-15 12:30
145,000	54,965	0,364	0,357	7475,903	7823,804	124,364	7,502	512,538	7,389	10,961	4,274	2017-09-15 12:30
145,167	54,957	0,364	0,357	7471,662	7831,600	132,227	6,996	512,632	7,402	10,986	4,279	2017-09-15 12:30
145,333	54,959	0,364	0,357	7456,017	7800,757	143,561	6,761	512,538	7,427	10,956	4,273	2017-09-15 12:31
145,500	54,957	0,364	0,356	7444,131	7763,666	148,793	6,690	512,538	7,473	11,140	4,309	2017-09-15 12:31
145,667	54,952	0,364	0,356	7443,533	7757,713	158,011	6,651	512,538	7,606	11,018	4,285	2017-09-15 12:31
145,833	54,940	0,364	0,356	7427,138	7751,696	166,395	6,580	512,538	7,312	11,114	4,304	2017-09-15 12:31
146,000	54,929	0,364	0,356	7423,581	7724,532	179,188	6,615	512,538	7,135	11,087	4,299	2017-09-15 12:31
146,167	54,908	0,364	0,356	7415,488	7690,278	149,471	6,974	512,538	7,316	10,983	4,279	2017-09-15 12:31
146,333	54,889	0,364	0,356	7402,173	7677,712	145,030	7,132	512,538	7,224	11,029	4,287	2017-09-15 12:32
146,500	54,880	0,363	0,356	7391,665	7658,139	140,468	6,958	512,538	7,144	11,054	4,292	2017-09-15 12:32
146,667	54,868	0,364	0,356	7376,030	7681,512	132,689	6,953	512,538	7,522	11,014	4,284	2017-09-15 12:32
146,833	54,866	0,364	0,356	7359,884	7664,115	115,080	7,038	512,538	7,054	11,103	4,302	2017-09-15 12:32
147,000	54,862	0,364	0,356	7341,270	7662,633	125,719	7,044	512,538	7,359	11,167	4,314	2017-09-15 12:32
147,167	54,857	0,364	0,356	7327,293	7668,058	117,881	6,895	512,538	7,497	11,134	4,308	2017-09-15 12:32
147,333	54,853	0,363	0,356	7315,537	7614,453	138,297	6,891	512,538	7,398	11,093	4,300	2017-09-15 12:33

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
147,500	0,225	0,479	0,534	0,182	0,269	71,063	20,223	23,623	21,585	21,260	20,657	20,707	21,680	20,441	76,464	58,212	72,750
147,667	0,218	0,481	0,534	0,181	0,275	71,027	20,224	23,678	21,582	21,252	20,640	20,739	21,679	20,444	76,466	58,193	72,719
147,833	0,215	0,477	0,534	0,186	0,279	70,993	20,232	19,086	21,573	21,267	20,670	20,736	21,693	20,452	76,474	58,189	72,694
148,000	0,217	0,477	0,534	0,182	0,277	70,962	20,197	21,251	21,577	21,247	20,622	20,705	21,675	20,434	76,400	58,161	72,655
148,167	0,215	0,485	0,534	0,180	0,277	71,006	20,195	18,593	21,579	21,277	20,648	20,734	21,697	20,449	76,312	58,166	72,630
148,333	0,213	0,510	0,534	0,183	0,277	70,947	20,186	19,518	21,589	21,267	20,644	20,729	21,691	20,449	76,357	58,160	72,588
148,500	0,210	0,532	0,534	0,177	0,274	70,973	20,183	17,022	21,598	21,240	20,640	20,728	21,693	20,445	76,347	58,145	72,542
148,667	0,209	0,542	0,534	0,184	0,282	70,910	20,197	19,714	21,564	21,246	20,641	20,722	21,679	20,438	76,340	58,135	72,499
148,833	0,210	0,535	0,533	0,183	0,274	70,896	20,188	21,231	21,568	21,246	20,654	20,714	21,688	20,438	76,335	58,122	72,466
149,000	0,208	0,521	0,534	0,188	0,273	70,901	20,187	21,805	21,554	21,247	20,667	20,711	21,680	20,441	76,309	58,103	72,445
149,167	0,212	0,513	0,533	0,175	0,277	70,937	20,227	17,179	21,565	21,247	20,647	20,724	21,680	20,445	76,335	58,088	72,429
149,333	0,211	0,492	0,533	0,185	0,277	70,875	20,195	19,486	21,572	21,256	20,673	20,741	21,699	20,449	76,287	58,079	72,418
149,500	0,212	0,473	0,534	0,179	0,280	70,823	20,184	20,078	21,574	21,243	20,671	20,724	21,697	20,440	76,210	58,056	72,411
149,667	0,212	0,464	0,533	0,188	0,276	70,800	20,182	20,905	21,571	21,246	20,667	20,717	21,684	20,441	76,161	58,043	72,399
149,834	0,210	0,480	0,533	0,185	0,280	70,789	20,170	18,867	21,553	21,236	20,673	20,709	21,685	20,439	76,183	58,040	72,392
150,000	0,208	0,504	0,533	0,185	0,278	70,791	20,176	17,848	21,560	21,240	20,675	20,712	21,680	20,438	76,171	58,039	72,370
150,167	0,214	0,509	0,533	0,182	0,271	70,768	20,195	26,888	21,565	21,246	20,686	20,729	21,693	20,449	76,180	58,032	72,341
150,334	0,213	0,492	0,533	0,180	0,277	70,786	20,211	24,410	21,547	21,243	20,687	20,725	21,710	20,447	76,133	58,029	72,318
150,500	0,212	0,483	0,533	0,180	0,276	70,784	20,216	17,775	21,566	21,259	20,681	20,741	21,709	20,456	76,144	58,035	72,294
150,667	0,215	0,482	0,533	0,177	0,274	70,771	20,179	15,657	21,539	21,255	20,673	20,727	21,691	20,441	76,041	58,019	72,275
150,834	0,213	0,482	0,533	0,179	0,276	70,728	20,200	19,302	21,537	21,246	20,661	20,730	21,698	20,439	76,090	58,008	72,256
151,000	0,220	0,471	0,533	0,185	0,273	70,703	20,183	20,748	21,530	21,243	20,666	20,724	21,700	20,441	76,076	57,989	72,230
151,167	0,223	0,464	0,533	0,184	0,274	70,678	20,179	28,727	21,528	21,234	20,687	20,721	21,691	20,443	75,981	57,978	72,218
151,334	0,218	0,466	0,533	0,186	0,276	70,648	20,203	29,843	21,542	21,244	20,691	20,731	21,698	20,444	75,993	57,969	72,204
151,500	0,217	0,465	0,533	0,181	0,277	70,598	20,213	27,700	21,539	21,231	20,673	20,712	21,676	20,441	75,952	57,961	72,198
151,667	0,216	0,471	0,533	0,180	0,275	70,613	20,216	14,253	21,539	21,235	20,674	20,724	21,694	20,443	75,917	57,968	72,183
151,834	0,214	0,489	0,533	0,188	0,279	70,596	20,195	15,915	21,518	21,235	20,679	20,724	21,692	20,441	75,951	57,965	72,152
152,000	0,214	0,513	0,533	0,183	0,276	70,574	20,179	27,687	21,522	21,230	20,669	20,720	21,700	20,439	75,962	57,972	72,136
152,167	0,211	0,540	0,533	0,186	0,279	70,540	20,183	29,148	21,512	21,231	20,669	20,709	21,688	20,439	75,975	57,969	72,107
152,333	0,209	0,549	0,533	0,183	0,272	70,538	20,229	23,584	21,517	21,244	20,698	20,724	21,695	20,447	76,063	57,972	72,084
152,500	0,208	0,552	0,533	0,186	0,272	70,540	20,256	22,267	21,512	21,234	20,684	20,722	21,700	20,444	76,013	57,966	72,082
152,667	0,209	0,551	0,533	0,182	0,277	70,520	20,263	22,442	21,516	21,236	20,683	20,730	21,687	20,441	75,958	57,959	72,083
152,833	0,210	0,526	0,533	0,188	0,273	70,511	20,226	25,176	21,514	21,244	20,671	20,726	21,696	20,441	75,978	57,966	72,094
153,000	0,209	0,510	0,533	0,178	0,274	70,548	20,239	19,306	21,511	21,243	20,686	20,726	21,704	20,443	76,016	57,962	72,096
153,167	0,210	0,508	0,533	0,176	0,268	70,506	20,241	20,055	21,507	21,228	20,688	20,729	21,700	20,447	76,036	57,964	72,107
153,333	0,213	0,493	0,533	0,180	0,273	70,509	20,259	19,709	21,491	21,230	20,688	20,741	21,698	20,445	75,999	57,965	72,110
153,500	0,213	0,474	0,533	0,180	0,276	70,537	20,252	20,487	21,507	21,239	20,683	20,737	21,706	20,452	75,975	57,955	72,103

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
147,500	54,854	0,363	0,356	7302,510	7593,814	163,886	6,970	512,538	7,270	10,764	4,236	2017-09-15 12:33
147,667	54,848	0,364	0,356	7293,878	7607,434	122,610	7,028	512,538	7,223	11,015	4,285	2017-09-15 12:33
147,833	54,837	0,364	0,356	7287,781	7609,377	101,655	6,932	512,538	7,424	11,168	4,314	2017-09-15 12:33
148,000	54,823	0,363	0,356	7273,974	7586,987	113,559	6,924	512,538	7,286	11,087	4,299	2017-09-15 12:33
148,167	54,811	0,363	0,356	7268,463	7548,234	101,937	7,126	512,538	7,199	11,077	4,297	2017-09-15 12:33
148,333	54,797	0,364	0,356	7268,444	7581,898	87,591	7,741	512,538	7,307	11,077	4,297	2017-09-15 12:34
148,500	54,789	0,364	0,356	7247,119	7574,418	72,463	8,298	512,538	7,094	10,960	4,274	2017-09-15 12:34
148,667	54,785	0,364	0,356	7230,561	7581,449	64,927	8,562	512,538	7,361	11,293	4,338	2017-09-15 12:34
148,833	54,786	0,363	0,356	7222,445	7573,799	68,912	8,375	512,444	7,339	10,971	4,276	2017-09-15 12:34
149,000	54,787	0,363	0,356	7197,725	7565,893	60,938	8,036	512,538	7,534	10,909	4,264	2017-09-15 12:34
149,167	54,790	0,363	0,356	7192,004	7591,218	84,648	7,830	512,444	6,999	11,095	4,300	2017-09-15 12:34
149,333	54,789	0,364	0,356	7193,807	7576,770	78,560	7,293	512,444	7,388	11,072	4,296	2017-09-15 12:35
149,500	54,782	0,363	0,356	7191,251	7547,930	84,842	6,827	512,538	7,159	11,197	4,320	2017-09-15 12:35
149,667	54,779	0,363	0,356	7185,524	7528,424	83,751	6,589	512,445	7,523	11,053	4,292	2017-09-15 12:35
149,834	54,771	0,364	0,357	7203,968	7553,176	72,077	6,989	512,444	7,416	11,192	4,319	2017-09-15 12:35
150,000	54,758	0,364	0,356	7194,819	7547,924	56,571	7,597	512,444	7,398	11,137	4,308	2017-09-15 12:35
150,167	54,748	0,363	0,356	7185,258	7549,554	96,798	7,719	512,444	7,282	10,857	4,254	2017-09-15 12:35
150,334	54,735	0,364	0,356	7178,288	7543,284	88,890	7,291	512,444	7,192	11,081	4,297	2017-09-15 12:36
150,500	54,728	0,364	0,357	7179,290	7540,922	85,898	7,064	512,445	7,219	11,054	4,292	2017-09-15 12:36
150,667	54,723	0,364	0,356	7170,658	7510,823	99,466	7,061	512,444	7,091	10,973	4,276	2017-09-15 12:36
150,834	54,720	0,364	0,357	7168,403	7529,720	90,481	7,059	512,445	7,176	11,038	4,289	2017-09-15 12:36
151,000	54,720	0,364	0,356	7138,900	7528,175	130,173	6,779	512,445	7,412	10,939	4,270	2017-09-15 12:36
151,167	54,720	0,364	0,355	7113,116	7493,554	149,645	6,604	512,445	7,349	10,974	4,277	2017-09-15 12:36
151,334	54,718	0,363	0,354	7101,677	7491,629	122,582	6,643	512,445	7,429	11,028	4,287	2017-09-15 12:37
151,500	54,718	0,363	0,355	7103,994	7484,514	114,479	6,623	512,445	7,244	11,084	4,298	2017-09-15 12:37
151,667	54,727	0,364	0,355	7092,310	7469,123	108,340	6,776	512,444	7,189	10,997	4,281	2017-09-15 12:37
151,834	54,734	0,364	0,355	7088,830	7486,073	95,512	7,233	512,444	7,512	11,174	4,315	2017-09-15 12:37
152,000	54,743	0,364	0,355	7076,570	7492,308	96,826	7,820	512,445	7,328	11,024	4,286	2017-09-15 12:37
152,167	54,746	0,363	0,355	7056,932	7484,333	76,907	8,488	512,444	7,432	11,149	4,311	2017-09-15 12:37
152,333	54,746	0,363	0,355	7055,125	7518,403	62,859	8,719	512,445	7,301	10,862	4,255	2017-09-15 12:38
152,500	54,746	0,363	0,355	7054,733	7505,740	58,009	8,805	512,444	7,439	10,893	4,261	2017-09-15 12:38
152,667	54,747	0,364	0,355	7062,811	7493,683	66,188	8,769	512,444	7,290	11,092	4,300	2017-09-15 12:38
152,833	54,747	0,364	0,355	7059,136	7502,586	71,841	8,147	512,444	7,535	10,902	4,263	2017-09-15 12:38
153,000	54,744	0,364	0,355	7065,647	7515,442	63,648	7,738	512,444	7,109	10,951	4,272	2017-09-15 12:38
153,167	54,751	0,364	0,355	7068,560	7525,853	68,516	7,709	512,444	7,048	10,722	4,227	2017-09-15 12:38
153,333	54,748	0,364	0,355	7063,924	7508,317	88,428	7,322	512,444	7,214	10,933	4,269	2017-09-15 12:39
153,500	54,750	0,364	0,355	7059,914	7505,217	86,948	6,862	512,444	7,188	11,037	4,289	2017-09-15 12:39

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
153,667	0,211	0,474	0,533	0,182	0,277	70,511	20,288	24,847	21,496	21,230	20,670	20,737	21,709	20,449	75,964	57,959	72,114
153,833	0,208	0,483	0,533	0,186	0,273	70,569	20,307	25,536	21,505	21,231	20,672	20,728	21,706	20,449	75,993	57,964	72,118
154,000	0,215	0,497	0,533	0,183	0,277	70,597	20,259	28,233	21,499	21,244	20,681	20,728	21,705	20,444	75,994	57,964	72,113
154,167	0,211	0,502	0,533	0,183	0,270	70,703	20,268	29,207	21,511	21,230	20,705	20,737	21,709	20,448	75,913	57,969	72,106
154,333	0,208	0,516	0,533	0,181	0,270	70,746	20,281	28,924	21,488	21,238	20,708	20,728	21,695	20,447	75,947	57,968	72,091
154,500	0,208	0,537	0,533	0,179	0,277	70,794	20,168	25,758	21,492	21,256	20,708	20,723	21,708	20,453	76,034	57,969	72,080
154,667	0,207	0,541	0,533	0,172	0,271	70,763	20,141	26,738	21,492	21,239	20,703	20,743	21,714	20,455	75,976	57,978	72,069
154,833	0,206	0,541	0,533	0,183	0,269	70,823	20,194	30,107	21,470	21,250	20,704	20,742	21,718	20,452	76,110	57,973	72,063
155,000	0,207	0,540	0,533	0,183	0,274	70,794	20,210	24,476	21,482	21,249	20,720	20,763	21,722	20,464	76,091	57,984	72,063
155,167	0,210	0,514	0,533	0,184	0,275	70,891	20,190	22,359	21,487	21,245	20,707	20,741	21,709	20,463	76,127	57,985	72,078
155,333	0,214	0,491	0,533	0,188	0,279	70,951	20,217	23,130	21,489	21,247	20,728	20,751	21,722	20,463	76,129	57,986	72,092
155,500	0,215	0,488	0,533	0,177	0,276	70,911	20,241	25,752	21,478	21,250	20,723	20,744	21,726	20,469	76,088	57,990	72,118
155,667	0,210	0,494	0,533	0,182	0,272	70,905	20,219	25,104	21,473	21,241	20,727	20,740	21,733	20,460	76,051	57,996	72,145
155,833	0,208	0,519	0,533	0,186	0,274	70,913	20,249	27,971	21,495	21,242	20,737	20,746	21,718	20,467	76,131	58,011	72,164
156,000	0,208	0,534	0,533	0,182	0,272	70,900	20,232	22,779	21,482	21,239	20,730	20,745	21,723	20,457	76,100	58,024	72,172
156,167	0,209	0,517	0,532	0,187	0,275	70,903	20,198	28,574	21,488	21,245	20,711	20,745	21,725	20,468	76,133	58,032	72,165
156,334	0,214	0,486	0,533	0,182	0,268	70,941	20,250	26,503	21,469	21,237	20,713	20,737	21,722	20,459	76,119	58,049	72,168
156,500	0,219	0,458	0,533	0,181	0,278	70,963	20,226	30,819	21,491	21,242	20,708	20,755	21,735	20,461	76,052	58,058	72,175
156,667	0,219	0,453	0,533	0,179	0,276	70,991	20,242	26,420	21,473	21,270	20,733	20,741	21,725	20,469	76,078	58,063	72,183
156,834	0,214	0,476	0,533	0,181	0,274	70,961	20,152	23,312	21,469	21,237	20,707	20,734	21,727	20,456	76,024	58,071	72,183
157,000	0,214	0,489	0,533	0,180	0,269	71,018	20,220	18,271	21,471	21,259	20,718	20,733	21,739	20,467	76,090	58,076	72,192
157,167	0,212	0,488	0,532	0,185	0,277	71,042	20,219	16,184	21,464	21,241	20,721	20,740	21,733	20,459	76,109	58,082	72,183
157,334	0,213	0,487	0,532	0,178	0,279	71,062	20,255	18,485	21,465	21,257	20,749	20,766	21,747	20,473	76,122	58,094	72,179
157,500	0,214	0,485	0,533	0,177	0,282	71,083	20,224	19,181	21,449	21,251	20,721	20,749	21,719	20,455	76,090	58,096	72,171
157,667	0,213	0,488	0,532	0,180	0,276	71,163	20,247	15,825	21,476	21,250	20,736	20,748	21,735	20,467	76,118	58,106	72,172
157,834	0,211	0,491	0,532	0,175	0,281	71,171	20,224	19,789	21,455	21,238	20,720	20,734	21,727	20,457	76,126	58,119	72,184
158,000	0,211	0,490	0,532	0,183	0,275	71,261	20,261	23,400	21,500	21,275	20,747	20,770	21,767	20,495	76,219	58,135	72,204
158,167	0,208	0,498	0,532	0,185	0,275	71,279	20,216	22,331	21,448	21,243	20,715	20,732	21,723	20,456	76,100	58,135	72,210
158,334	0,211	0,498	0,532	0,187	0,278	71,411	20,198	17,431	21,461	21,255	20,714	20,741	21,737	20,460	76,230	58,143	72,218
158,500	0,211	0,485	0,533	0,181	0,279	71,466	20,227	18,495	21,467	21,265	20,740	20,756	21,747	20,473	76,160	58,153	72,233
158,667	0,211	0,484	0,532	0,181	0,276	71,489	20,122	19,228	21,464	21,241	20,733	20,736	21,740	20,457	76,224	58,158	72,244
158,833	0,211	0,488	0,532	0,184	0,274	71,559	20,222	20,403	21,485	21,286	20,765	20,754	21,770	20,484	76,231	58,174	72,227
159,000	0,212	0,494	0,532	0,176	0,279	71,593	20,186	19,149	21,467	21,268	20,745	20,756	21,742	20,475	76,274	58,178	72,210
159,167	0,208	0,510	0,532	0,179	0,281	71,606	20,193	18,804	21,480	21,278	20,758	20,752	21,756	20,479	76,265	58,146	72,190
159,333	0,207	0,533	0,531	0,185	0,279	71,590	20,265	18,800	21,513	21,324	20,786	20,782	21,773	20,511	76,349	58,126	72,188
159,500	0,208	0,537	0,531	0,181	0,273	71,685	20,220	27,035	21,459	21,262	20,746	20,758	21,739	20,464	76,409	58,102	72,190
159,667	0,208	0,529	0,531	0,189	0,272	71,727	20,226	26,344	21,455	21,246	20,738	20,750	21,722	20,460	76,545	58,087	72,198

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
153,667	54,756	0,364	0,355	7070,364	7499,033	77,296	6,853	512,444	7,272	11,078	4,297	2017-09-15 12:39
153,833	54,760	0,364	0,355	7064,803	7504,803	59,687	7,076	512,351	7,460	10,905	4,263	2017-09-15 12:39
154,000	54,763	0,363	0,355	7059,538	7500,802	101,509	7,434	512,351	7,318	11,065	4,294	2017-09-15 12:39
154,167	54,766	0,363	0,355	7056,398	7465,607	79,589	7,538	512,444	7,335	10,807	4,244	2017-09-15 12:39
154,333	54,767	0,364	0,355	7056,619	7488,333	58,211	7,898	512,351	7,235	10,786	4,240	2017-09-15 12:40
154,500	54,773	0,364	0,355	7041,240	7521,770	55,500	8,426	512,351	7,169	11,097	4,301	2017-09-15 12:40
154,667	54,790	0,364	0,355	7032,906	7495,676	52,130	8,525	512,351	6,898	10,832	4,249	2017-09-15 12:40
154,833	54,811	0,363	0,355	7021,921	7541,309	45,216	8,528	512,351	7,324	10,753	4,233	2017-09-15 12:40
155,000	54,830	0,363	0,355	7005,495	7527,669	49,385	8,505	512,351	7,310	10,958	4,274	2017-09-15 12:40
155,167	54,846	0,363	0,355	7004,417	7548,138	67,828	7,847	512,351	7,349	10,985	4,279	2017-09-15 12:40
155,333	54,852	0,363	0,355	7007,573	7546,100	93,230	7,287	512,351	7,539	11,160	4,313	2017-09-15 12:41
155,500	54,862	0,364	0,355	7029,305	7530,871	103,907	7,207	512,351	7,099	11,055	4,293	2017-09-15 12:41
155,667	54,870	0,364	0,355	7036,309	7522,327	69,576	7,349	512,351	7,264	10,868	4,256	2017-09-15 12:41
155,833	54,874	0,364	0,355	7034,864	7540,911	58,704	7,980	512,351	7,422	10,967	4,275	2017-09-15 12:41
156,000	54,881	0,364	0,355	7043,636	7533,307	56,439	8,345	512,351	7,299	10,868	4,256	2017-09-15 12:41
156,167	54,886	0,364	0,355	7034,222	7536,294	61,445	7,913	512,258	7,467	11,011	4,284	2017-09-15 12:41
156,334	54,889	0,364	0,355	7036,158	7522,227	94,487	7,157	512,351	7,287	10,702	4,223	2017-09-15 12:42
156,500	54,901	0,364	0,355	7027,034	7489,311	129,704	6,461	512,351	7,251	11,118	4,305	2017-09-15 12:42
156,667	54,913	0,364	0,355	7032,343	7501,023	128,044	6,331	512,351	7,172	11,045	4,290	2017-09-15 12:42
156,834	54,928	0,364	0,355	7025,602	7475,669	92,823	6,901	512,351	7,247	10,970	4,276	2017-09-15 12:42
157,000	54,944	0,364	0,355	7019,106	7502,227	95,971	7,226	512,351	7,189	10,757	4,234	2017-09-15 12:42
157,167	54,955	0,364	0,355	7014,069	7508,593	80,249	7,204	512,258	7,395	11,062	4,294	2017-09-15 12:42
157,334	54,960	0,363	0,355	7005,773	7499,488	91,350	7,175	512,258	7,126	11,163	4,313	2017-09-15 12:43
157,500	54,969	0,364	0,355	7000,574	7486,898	98,035	7,124	512,351	7,078	11,267	4,333	2017-09-15 12:43
157,667	54,977	0,364	0,355	6995,884	7505,439	86,534	7,196	512,258	7,219	11,045	4,290	2017-09-15 12:43
157,834	54,984	0,364	0,355	7001,818	7499,363	79,467	7,272	512,258	7,012	11,252	4,331	2017-09-15 12:43
158,000	54,997	0,364	0,355	7005,278	7533,402	74,839	7,257	512,258	7,333	11,012	4,284	2017-09-15 12:43
158,167	54,992	0,364	0,355	7007,742	7478,094	60,188	7,440	512,258	7,391	11,017	4,285	2017-09-15 12:43
158,334	55,000	0,364	0,355	7004,705	7529,426	73,939	7,438	512,258	7,490	11,107	4,303	2017-09-15 12:44
158,500	55,007	0,364	0,355	7004,812	7501,842	79,825	7,125	512,351	7,240	11,163	4,313	2017-09-15 12:44
158,667	55,014	0,358	0,355	7003,974	7406,792	79,651	7,107	512,258	7,235	11,020	4,286	2017-09-15 12:44
158,833	55,023	0,357	0,355	6997,971	7384,533	76,670	7,212	512,258	7,357	10,962	4,274	2017-09-15 12:44
159,000	55,035	0,358	0,355	6985,198	7407,450	85,700	7,361	512,258	7,032	11,158	4,312	2017-09-15 12:44
159,167	55,042	0,357	0,355	6969,245	7411,789	57,814	7,759	512,258	7,150	11,236	4,327	2017-09-15 12:44
159,333	55,044	0,357	0,354	6962,080	7455,086	50,254	8,330	512,120	7,401	11,168	4,314	2017-09-15 12:45
159,500	55,050	0,357	0,355	6970,912	7482,703	60,101	8,433	512,121	7,249	10,938	4,270	2017-09-15 12:45
159,667	55,056	0,357	0,355	6974,639	7550,503	55,278	8,228	512,121	7,562	10,865	4,255	2017-09-15 12:45

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
159,833	0,209	0,524	0,531	0,180	0,280	71,767	20,215	-12,328	21,453	21,256	20,729	20,743	21,738	20,456	76,632	58,087	72,217
160,000	0,213	0,505	0,531	0,188	0,276	71,775	20,188	27,280	21,431	21,246	20,737	20,736	21,718	20,453	76,690	58,087	72,253
160,167	0,212	0,485	0,531	0,184	0,272	71,801	20,175	26,626	21,434	21,251	20,745	20,733	21,717	20,455	76,640	58,090	72,299
160,333	0,216	0,475	0,531	0,183	0,272	71,858	20,202	21,666	21,434	21,267	20,754	20,740	21,727	20,459	76,576	58,091	72,353
160,500	0,213	0,478	0,531	0,181	0,275	71,916	20,203	27,449	21,448	21,243	20,747	20,734	21,734	20,460	76,684	58,096	72,403
160,667	0,210	0,483	0,531	0,185	0,273	71,921	20,179	23,821	21,439	21,262	20,746	20,733	21,737	20,459	76,734	58,098	72,460
160,833	0,211	0,483	0,531	0,193	0,274	71,979	20,161	16,503	21,448	21,242	20,733	20,732	21,739	20,457	76,703	58,103	72,485
161,000	0,216	0,481	0,531	0,178	0,275	72,001	20,157	16,628	21,429	21,258	20,741	20,733	21,729	20,457	76,711	58,121	72,501
161,167	0,214	0,476	0,531	0,191	0,273	72,046	20,156	17,905	21,440	21,246	20,757	20,746	21,731	20,460	76,776	58,134	72,524
161,333	0,214	0,481	0,531	0,179	0,270	72,037	20,209	25,558	21,430	21,258	20,755	20,737	21,733	20,457	76,768	58,142	72,558
161,500	0,211	0,486	0,531	0,194	0,274	72,085	20,232	19,845	21,419	21,249	20,746	20,747	21,730	20,456	76,835	58,153	72,576
161,667	0,213	0,497	0,531	0,180	0,271	72,061	20,230	20,933	21,430	21,243	20,747	20,738	21,746	20,459	76,847	58,152	72,586
161,833	0,213	0,492	0,531	0,185	0,275	72,146	20,177	28,665	21,427	21,254	20,737	20,730	21,730	20,457	76,884	58,150	72,603
162,000	0,210	0,482	0,531	0,182	0,268	72,231	20,191	23,024	21,429	21,246	20,738	20,742	21,746	20,457	76,940	58,149	72,623
162,167	0,211	0,483	0,531	0,179	0,266	72,301	20,212	21,493	21,425	21,245	20,748	20,742	21,742	20,464	76,936	58,150	72,645
162,333	0,209	0,487	0,531	0,187	0,271	72,378	20,251	20,044	21,421	21,239	20,751	20,747	21,738	20,457	76,982	58,150	72,663
162,500	0,207	0,501	0,531	0,180	0,269	72,449	20,236	16,049	21,448	21,268	20,755	20,748	21,746	20,469	77,025	58,150	72,689
162,667	0,205	0,527	0,531	0,178	0,269	72,537	20,203	20,552	21,446	21,272	20,757	20,748	21,733	20,464	77,100	58,143	72,716
162,833	0,202	0,550	0,531	0,179	0,273	72,616	20,253	20,945	21,441	21,277	20,766	20,757	21,748	20,465	77,214	58,152	72,738
163,000	0,202	0,573	0,531	0,184	0,275	72,662	20,272	27,284	21,446	21,267	20,772	20,747	21,744	20,460	77,278	58,154	72,769
163,167	0,202	0,572	0,531	0,186	0,275	72,677	20,277	18,436	21,455	21,287	20,778	20,766	21,764	20,485	77,388	58,165	72,805
163,334	0,204	0,547	0,531	0,190	0,274	72,691	20,262	23,866	21,426	21,264	20,758	20,755	21,750	20,467	77,434	58,160	72,838
163,500	0,206	0,518	0,531	0,186	0,276	72,679	20,249	22,108	21,434	21,259	20,761	20,744	21,751	20,464	77,507	58,160	72,902
163,667	0,211	0,489	0,530	0,191	0,272	72,678	20,267	19,627	21,427	21,255	20,749	20,750	21,731	20,457	77,642	58,161	72,956
163,834	0,212	0,472	0,530	0,188	0,279	72,681	20,244	21,275	21,425	21,268	20,763	20,757	21,739	20,468	77,499	58,162	73,014
164,000	0,214	0,475	0,530	0,187	0,267	72,777	20,227	13,786	21,425	21,259	20,762	20,753	21,747	20,463	77,518	58,166	73,070
164,167	0,211	0,485	0,530	0,191	0,273	72,789	20,226	29,922	21,430	21,263	20,778	20,752	21,746	20,479	77,540	58,173	73,122
164,334	0,208	0,492	0,530	0,186	0,269	72,777	20,197	15,137	21,412	21,260	20,774	20,742	21,747	20,464	77,540	58,170	73,174
164,500	0,207	0,494	0,530	0,184	0,268	72,835	20,260	23,762	21,433	21,277	20,764	20,765	21,767	20,485	77,566	58,182	73,193
164,667	0,212	0,494	0,530	0,191	0,272	72,949	20,273	19,129	21,437	21,291	20,769	20,756	21,753	20,483	77,574	58,189	73,214
164,834	0,210	0,495	0,530	0,182	0,271	73,005	20,249	28,251	21,416	21,269	20,771	20,763	21,764	20,477	77,581	58,197	73,224
165,000	0,209	0,500	0,530	0,178	0,278	72,941	20,257	25,345	21,418	21,260	20,775	20,742	21,742	20,463	77,542	58,213	73,236
165,167	0,207	0,510	0,530	0,177	0,273	72,952	20,186	22,519	21,405	21,259	20,763	20,751	21,734	20,460	77,612	58,211	73,247
165,334	0,206	0,522	0,530	0,181	0,279	72,958	20,224	27,636	21,410	21,255	20,770	20,744	21,741	20,463	77,621	58,213	73,256
165,500	0,208	0,522	0,530	0,181	0,273	73,023	20,223	18,008	21,403	21,268	20,763	20,741	21,760	20,463	77,671	58,216	73,266
165,667	0,206	0,518	0,530	0,188	0,275	73,075	20,242	20,346	21,426	21,263	20,803	20,753	21,763	20,477	77,698	58,224	73,285
165,833	0,206	0,526	0,530	0,182	0,276	73,097	20,252	20,928	21,425	21,282	20,790	20,753	21,754	20,477	77,667	58,224	73,299

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
159,833	55,059	0,358	0,355	6984,274	7596,859	62,832	8,092	512,120	7,196	11,184	4,317	2017-09-15 12:45
160,000	55,067	0,358	0,355	6990,851	7616,709	88,831	7,621	512,120	7,518	11,035	4,289	2017-09-15 12:45
160,167	55,068	0,358	0,355	7007,204	7593,292	83,380	7,117	512,120	7,355	10,899	4,262	2017-09-15 12:45
160,333	55,072	0,358	0,355	7030,590	7569,913	108,114	6,867	512,120	7,317	10,868	4,256	2017-09-15 12:46
160,500	55,080	0,358	0,355	7050,848	7608,760	87,785	6,954	512,121	7,250	11,003	4,282	2017-09-15 12:46
160,667	55,079	0,358	0,355	7066,262	7630,515	72,675	7,085	512,121	7,409	10,932	4,269	2017-09-15 12:46
160,833	55,066	0,357	0,355	7091,010	7606,398	73,738	7,081	512,120	7,734	10,957	4,273	2017-09-15 12:46
161,000	55,050	0,357	0,355	7094,807	7599,337	106,457	7,031	512,120	7,115	10,983	4,278	2017-09-15 12:46
161,167	55,036	0,357	0,354	7103,859	7627,409	96,999	6,906	512,120	7,638	10,908	4,264	2017-09-15 12:46
161,333	55,030	0,357	0,355	7125,401	7612,887	92,392	7,032	512,120	7,159	10,816	4,246	2017-09-15 12:47
161,500	55,020	0,358	0,355	7142,181	7646,050	76,691	7,158	512,120	7,765	10,959	4,274	2017-09-15 12:47
161,667	55,018	0,357	0,355	7149,506	7649,482	87,990	7,421	512,027	7,219	10,830	4,249	2017-09-15 12:47
161,833	55,016	0,357	0,355	7154,829	7665,724	90,078	7,299	512,027	7,382	10,990	4,280	2017-09-15 12:47
162,000	55,019	0,358	0,355	7158,717	7690,044	68,276	7,041	512,026	7,282	10,731	4,229	2017-09-15 12:47
162,167	55,018	0,358	0,355	7170,610	7687,836	74,787	7,076	512,027	7,159	10,627	4,209	2017-09-15 12:47
162,333	55,020	0,358	0,355	7186,866	7719,348	61,379	7,164	512,027	7,474	10,823	4,247	2017-09-15 12:48
162,500	55,023	0,358	0,355	7191,670	7730,959	54,031	7,523	512,027	7,197	10,744	4,232	2017-09-15 12:48
162,667	55,019	0,358	0,355	7196,642	7758,808	39,157	8,181	512,027	7,102	10,774	4,237	2017-09-15 12:48
162,833	55,011	0,357	0,355	7204,318	7784,416	22,980	8,749	512,027	7,163	10,917	4,265	2017-09-15 12:48
163,000	54,999	0,357	0,355	7222,462	7817,890	20,686	9,321	512,027	7,376	10,988	4,279	2017-09-15 12:48
163,167	54,989	0,357	0,355	7239,282	7860,470	20,478	9,310	512,027	7,435	11,016	4,285	2017-09-15 12:48
163,334	54,977	0,358	0,355	7272,174	7894,686	30,724	8,670	512,027	7,586	10,969	4,276	2017-09-15 12:49
163,500	54,976	0,358	0,355	7289,502	7919,891	43,746	7,953	512,027	7,424	11,046	4,291	2017-09-15 12:49
163,667	54,973	0,358	0,355	7318,363	7982,071	75,187	7,231	511,932	7,654	10,883	4,259	2017-09-15 12:49
163,834	54,973	0,358	0,355	7341,452	7923,646	81,913	6,802	511,933	7,530	11,172	4,315	2017-09-15 12:49
164,000	54,976	0,358	0,355	7359,549	7931,668	93,452	6,883	511,933	7,487	10,676	4,218	2017-09-15 12:49
164,167	54,976	0,358	0,355	7382,316	7939,666	77,490	7,131	511,933	7,624	10,905	4,263	2017-09-15 12:49
164,334	54,972	0,358	0,355	7397,705	7936,105	60,104	7,298	511,933	7,424	10,756	4,234	2017-09-15 12:50
164,500	54,972	0,358	0,355	7417,840	7943,560	52,978	7,359	511,933	7,362	10,715	4,226	2017-09-15 12:50
164,667	54,967	0,358	0,355	7424,883	7946,832	81,277	7,351	511,933	7,648	10,890	4,260	2017-09-15 12:50
164,834	54,961	0,358	0,355	7419,782	7944,334	71,938	7,368	511,933	7,268	10,841	4,251	2017-09-15 12:50
165,000	54,952	0,358	0,354	7423,846	7912,645	66,789	7,506	511,933	7,120	11,116	4,304	2017-09-15 12:50
165,167	54,947	0,358	0,355	7441,775	7950,150	49,629	7,746	511,933	7,066	10,924	4,267	2017-09-15 12:50
165,334	54,941	0,358	0,355	7455,026	7956,217	43,121	8,059	511,933	7,252	11,140	4,309	2017-09-15 12:51
165,500	54,937	0,358	0,355	7457,863	7981,073	56,772	8,056	511,933	7,221	10,925	4,267	2017-09-15 12:51
165,667	54,935	0,358	0,355	7470,083	7981,383	43,541	7,947	511,933	7,537	11,013	4,284	2017-09-15 12:51
165,833	54,935	0,358	0,355	7470,066	7967,860	43,969	8,161	511,933	7,282	11,043	4,290	2017-09-15 12:51

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
166,000	0,205	0,534	0,530	0,178	0,272	73,054	20,236	15,420	21,416	21,264	20,770	20,745	21,744	20,465	77,717	58,212	73,312
166,167	0,205	0,541	0,530	0,181	0,271	73,069	20,228	14,591	21,413	21,264	20,763	20,757	21,747	20,461	77,825	58,212	73,344
166,333	0,205	0,532	0,530	0,191	0,275	73,064	20,220	21,131	21,413	21,274	20,761	20,759	21,761	20,468	77,884	58,207	73,364
166,500	0,208	0,516	0,530	0,181	0,269	73,059	20,231	23,298	21,416	21,270	20,778	20,761	21,752	20,473	77,956	58,216	73,382
166,667	0,208	0,500	0,530	0,187	0,272	73,051	20,218	22,845	21,428	21,283	20,799	20,770	21,758	20,479	77,957	58,223	73,405
166,833	0,206	0,506	0,530	0,182	0,277	73,046	20,214	22,416	21,415	21,271	20,791	20,757	21,769	20,473	77,940	58,221	73,451
167,000	0,206	0,508	0,530	0,181	0,275	73,033	20,240	15,082	21,420	21,279	20,807	20,767	21,777	20,481	77,975	58,228	73,494
167,167	0,210	0,494	0,530	0,193	0,273	73,054	20,257	23,688	21,429	21,278	20,777	20,770	21,768	20,479	77,956	58,232	73,533
167,333	0,213	0,479	0,530	0,188	0,276	73,047	20,250	15,144	21,413	21,262	20,775	20,748	21,756	20,468	77,983	58,238	73,556
167,500	0,211	0,470	0,530	0,185	0,278	73,042	20,211	16,803	21,409	21,260	20,758	20,751	21,738	20,464	77,942	58,240	73,575
167,667	0,210	0,472	0,530	0,182	0,279	73,044	20,237	18,910	21,411	21,272	20,796	20,746	21,762	20,473	77,923	58,250	73,594
167,833	0,212	0,477	0,530	0,186	0,273	73,006	20,240	24,305	21,414	21,253	20,798	20,755	21,747	20,465	77,945	58,246	73,596
168,000	0,209	0,488	0,530	0,182	0,281	72,974	20,275	19,025	21,408	21,272	20,791	20,754	21,755	20,471	77,968	58,254	73,603
168,167	0,207	0,505	0,530	0,188	0,275	72,982	20,195	19,569	21,408	21,272	20,771	20,753	21,752	20,463	77,930	58,255	73,596
168,333	0,209	0,511	0,530	0,190	0,273	72,981	20,219	26,656	21,404	21,275	20,774	20,765	21,745	20,467	77,952	58,255	73,592
168,500	0,209	0,497	0,530	0,182	0,276	72,977	20,228	20,456	21,396	21,266	20,787	20,763	21,751	20,465	77,930	58,254	73,594
168,667	0,209	0,490	0,530	0,187	0,279	73,039	20,216	20,317	21,404	21,259	20,780	20,749	21,751	20,464	77,955	58,256	73,596
168,833	0,212	0,490	0,530	0,190	0,271	73,024	20,227	18,826	21,392	21,258	20,793	20,748	21,748	20,464	77,994	58,258	73,602
169,000	0,216	0,496	0,530	0,185	0,276	73,026	20,289	21,673	21,397	21,275	20,814	20,758	21,754	20,464	77,946	58,259	73,607
169,167	0,211	0,495	0,530	0,188	0,276	73,026	20,271	25,751	21,396	21,277	20,784	20,749	21,756	20,463	77,960	58,255	73,611
169,333	0,212	0,512	0,529	0,187	0,279	72,995	20,306	24,535	21,400	21,270	20,798	20,746	21,746	20,464	77,937	58,259	73,613
169,500	0,209	0,522	0,529	0,187	0,269	72,989	20,313	13,185	21,413	21,275	20,826	20,754	21,768	20,472	77,983	58,252	73,622
169,667	0,206	0,526	0,529	0,190	0,273	72,969	20,334	20,957	21,402	21,285	20,825	20,763	21,755	20,473	77,988	58,256	73,618
169,833	0,205	0,544	0,529	0,191	0,274	72,928	20,280	22,334	21,392	21,259	20,783	20,755	21,755	20,464	77,991	58,252	73,621
170,000	0,204	0,559	0,529	0,182	0,276	72,912	20,282	20,752	21,387	21,285	20,791	20,756	21,762	20,471	78,045	58,258	73,614
170,167	0,205	0,562	0,529	0,194	0,273	72,953	20,251	14,863	21,388	21,262	20,809	20,752	21,755	20,467	78,071	58,256	73,619
170,334	0,206	0,555	0,529	0,189	0,273	72,991	20,259	18,384	21,403	21,300	20,809	20,756	21,762	20,476	78,118	58,255	73,636
170,500	0,205	0,546	0,529	0,193	0,271	72,932	20,263	16,414	21,403	21,259	20,806	20,752	21,759	20,467	78,126	58,258	73,652
170,667	0,205	0,547	0,529	0,185	0,267	72,934	20,227	18,567	21,405	21,265	20,799	20,759	21,768	20,471	78,174	58,264	73,665
170,834	0,205	0,538	0,529	0,193	0,268	72,898	20,265	25,883	21,379	21,267	20,808	20,742	21,764	20,468	78,185	58,263	73,684
171,000	0,206	0,535	0,529	0,189	0,273	72,827	20,250	24,270	21,392	21,291	20,814	20,752	21,773	20,473	78,166	58,264	73,714
171,167	0,207	0,544	0,529	0,184	0,269	72,758	20,275	23,688	21,397	21,287	20,808	20,749	21,764	20,465	78,216	58,263	73,727
171,334	0,206	0,538	0,529	0,184	0,268	72,716	20,314	19,671	21,388	21,283	20,802	20,758	21,748	20,468	78,245	58,263	73,748
171,500	0,205	0,546	0,529	0,177	0,268	72,687	20,321	18,354	21,392	21,282	20,816	20,754	21,763	20,473	78,259	58,274	73,771
171,667	0,205	0,569	0,529	0,182	0,271	72,705	20,286	23,421	21,386	21,282	20,825	20,749	21,773	20,477	78,266	58,275	73,790
171,834	0,204	0,577	0,529	0,182	0,271	72,668	20,232	14,520	21,390	21,272	20,803	20,754	21,759	20,471	78,305	58,282	73,792
172,000	0,204	0,570	0,529	0,187	0,269	72,709	20,259	18,852	21,383	21,272	20,806	20,758	21,773	20,468	78,355	58,293	73,810

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
166,000	54,935	0,358	0,355	7474,441	7991,384	41,432	8,346	511,840	7,105	10,868	4,256	2017-09-15 12:51
166,167	54,936	0,358	0,354	7478,339	8036,238	38,017	8,522	511,933	7,224	10,849	4,252	2017-09-15 12:51
166,333	54,937	0,358	0,355	7492,694	8069,758	37,041	8,304	511,932	7,644	11,018	4,285	2017-09-15 12:52
166,500	54,935	0,358	0,355	7501,701	8096,032	55,935	7,893	511,840	7,258	10,758	4,234	2017-09-15 12:52
166,667	54,932	0,358	0,355	7510,053	8088,812	59,117	7,504	511,840	7,489	10,871	4,257	2017-09-15 12:52
166,833	54,927	0,358	0,355	7534,953	8076,619	46,529	7,638	511,840	7,270	11,076	4,296	2017-09-15 12:52
167,000	54,922	0,358	0,355	7554,969	8091,819	43,326	7,712	511,840	7,247	11,007	4,283	2017-09-15 12:52
167,167	54,917	0,358	0,355	7568,310	8080,203	72,887	7,361	511,840	7,713	10,908	4,264	2017-09-15 12:52
167,333	54,912	0,358	0,355	7586,013	8095,437	92,142	6,980	511,933	7,524	11,025	4,287	2017-09-15 12:53
167,500	54,910	0,358	0,355	7594,856	8081,071	76,031	6,740	511,840	7,412	11,138	4,308	2017-09-15 12:53
167,667	54,910	0,358	0,355	7603,908	8066,630	73,130	6,797	511,932	7,261	11,170	4,315	2017-09-15 12:53
167,833	54,910	0,358	0,355	7612,531	8077,976	84,015	6,936	511,840	7,429	10,915	4,265	2017-09-15 12:53
168,000	54,916	0,358	0,355	7602,859	8080,471	64,729	7,211	511,840	7,291	11,250	4,330	2017-09-15 12:53
168,167	54,917	0,358	0,355	7598,963	8062,437	52,380	7,627	511,840	7,513	11,017	4,285	2017-09-15 12:53
168,333	54,918	0,357	0,355	7590,601	8059,375	63,620	7,780	511,840	7,614	10,910	4,264	2017-09-15 12:54
168,500	54,914	0,358	0,355	7590,100	8062,189	62,241	7,436	511,840	7,290	11,043	4,290	2017-09-15 12:54
168,667	54,914	0,358	0,355	7590,604	8080,181	65,573	7,239	511,840	7,495	11,159	4,312	2017-09-15 12:54
168,833	54,914	0,358	0,355	7598,811	8085,152	81,295	7,257	511,840	7,602	10,822	4,247	2017-09-15 12:54
169,000	54,912	0,358	0,355	7603,455	8063,834	108,889	7,389	511,840	7,407	11,057	4,293	2017-09-15 12:54
169,167	54,908	0,358	0,355	7606,165	8078,794	79,589	7,366	511,840	7,525	11,033	4,288	2017-09-15 12:54
169,333	54,904	0,358	0,355	7607,585	8064,116	81,309	7,791	511,745	7,487	11,158	4,312	2017-09-15 12:55
169,500	54,906	0,358	0,354	7601,626	8076,790	62,394	8,039	511,745	7,479	10,741	4,231	2017-09-15 12:55
169,667	54,910	0,358	0,355	7604,338	8084,873	47,752	8,140	511,745	7,614	10,904	4,263	2017-09-15 12:55
169,833	54,910	0,358	0,355	7604,081	8080,685	36,658	8,593	511,745	7,652	10,949	4,272	2017-09-15 12:55
170,000	54,914	0,358	0,356	7619,378	8110,730	34,748	8,971	511,745	7,273	11,033	4,288	2017-09-15 12:55
170,167	54,917	0,359	0,355	7615,673	8135,416	38,542	9,061	511,745	7,763	10,910	4,264	2017-09-15 12:55
170,334	54,921	0,358	0,355	7610,575	8142,196	45,942	8,867	511,745	7,553	10,911	4,264	2017-09-15 12:56
170,500	54,918	0,358	0,355	7616,149	8140,784	36,224	8,653	511,745	7,707	10,856	4,254	2017-09-15 12:56
170,667	54,918	0,358	0,355	7619,696	8158,756	39,309	8,679	511,745	7,407	10,671	4,217	2017-09-15 12:56
170,834	54,916	0,358	0,355	7630,436	8161,514	39,997	8,443	511,745	7,713	10,732	4,229	2017-09-15 12:56
171,000	54,917	0,358	0,355	7640,615	8154,613	48,350	8,372	511,745	7,576	10,902	4,263	2017-09-15 12:56
171,167	54,912	0,358	0,355	7647,718	8177,870	52,353	8,593	511,745	7,352	10,777	4,238	2017-09-15 12:56
171,334	54,916	0,358	0,355	7657,637	8184,454	44,177	8,450	511,745	7,353	10,724	4,228	2017-09-15 12:57
171,500	54,914	0,358	0,355	7672,400	8184,111	42,068	8,647	511,745	7,089	10,707	4,224	2017-09-15 12:57
171,667	54,920	0,358	0,355	7671,674	8189,729	40,189	9,230	511,745	7,289	10,843	4,251	2017-09-15 12:57
171,834	54,921	0,358	0,355	7673,595	8205,823	32,038	9,426	511,652	7,274	10,826	4,248	2017-09-15 12:57
172,000	54,927	0,358	0,355	7684,785	8222,691	30,335	9,261	511,651	7,484	10,747	4,232	2017-09-15 12:57

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
172,167	0,203	0,561	0,529	0,182	0,274	72,640	20,283	20,672	21,372	21,268	20,801	20,753	21,758	20,472	78,359	58,290	73,837
172,334	0,208	0,533	0,529	0,180	0,275	72,591	20,320	20,239	21,393	21,286	20,826	20,761	21,783	20,479	78,363	58,285	73,861
172,500	0,208	0,518	0,529	0,187	0,277	72,544	20,299	22,569	21,397	21,279	20,826	20,770	21,775	20,488	78,336	58,291	73,875
172,667	0,210	0,521	0,529	0,188	0,272	72,482	20,255	17,154	21,374	21,258	20,813	20,765	21,765	20,472	78,344	58,295	73,900
172,833	0,208	0,534	0,529	0,186	0,273	72,429	20,258	14,570	21,374	21,275	20,825	20,782	21,772	20,483	78,328	58,299	73,926
173,000	0,206	0,545	0,529	0,183	0,274	72,418	20,339	18,148	21,371	21,261	20,814	20,763	21,763	20,469	78,309	58,302	73,935
173,167	0,208	0,535	0,529	0,185	0,273	72,503	20,316	17,514	21,368	21,272	20,831	20,758	21,773	20,479	78,348	58,311	73,942
173,333	0,209	0,529	0,529	0,189	0,275	72,498	20,304	13,497	21,375	21,271	20,816	20,753	21,772	20,473	78,344	58,313	73,944
173,500	0,207	0,526	0,529	0,189	0,275	72,432	20,339	20,026	21,375	21,252	20,838	20,757	21,768	20,475	78,336	58,321	73,945
173,667	0,210	0,515	0,529	0,185	0,274	72,376	20,323	23,757	21,352	21,263	20,830	20,759	21,755	20,472	78,338	58,315	73,941
173,833	0,210	0,498	0,529	0,181	0,272	72,334	20,300	23,001	21,362	21,254	20,812	20,765	21,769	20,473	78,308	58,321	73,942
174,000	0,210	0,489	0,529	0,182	0,273	72,272	20,286	21,254	21,374	21,267	20,829	20,775	21,772	20,475	78,282	58,324	73,948
174,167	0,218	0,483	0,529	0,189	0,275	72,232	20,286	25,512	21,369	21,261	20,833	20,765	21,780	20,475	78,254	58,332	73,944
174,333	0,219	0,470	0,529	0,182	0,276	72,300	20,309	18,690	21,373	21,266	20,850	20,768	21,781	20,484	78,243	58,333	73,942
174,500	0,219	0,466	0,529	0,183	0,276	72,280	20,297	19,511	21,378	21,267	20,838	20,774	21,779	20,483	78,158	58,330	73,930
174,667	0,215	0,486	0,529	0,183	0,273	72,243	20,272	24,825	21,356	21,262	20,833	20,775	21,768	20,472	78,141	58,325	73,915
174,833	0,212	0,512	0,529	0,181	0,272	72,219	20,273	19,881	21,367	21,273	20,845	20,776	21,787	20,491	78,146	58,334	73,903
175,000	0,210	0,524	0,529	0,189	0,274	72,155	20,293	22,433	21,378	21,270	20,850	20,777	21,776	20,480	78,134	58,332	73,891
175,167	0,207	0,525	0,529	0,178	0,274	72,097	20,269	18,483	21,376	21,253	20,844	20,757	21,771	20,479	78,104	58,340	73,861
175,333	0,210	0,525	0,529	0,190	0,270	72,041	20,215	23,685	21,361	21,248	20,837	20,763	21,768	20,477	78,127	58,337	73,831
175,500	0,213	0,512	0,529	0,180	0,274	71,963	20,212	18,879	21,351	21,261	20,829	20,769	21,763	20,473	78,030	58,333	73,811
175,667	0,216	0,495	0,529	0,188	0,272	71,962	20,205	22,802	21,359	21,266	20,833	20,764	21,773	20,479	78,049	58,342	73,794
175,833	0,219	0,483	0,529	0,178	0,277	71,919	20,227	17,837	21,370	21,269	20,833	20,766	21,784	20,477	78,003	58,332	73,780
176,000	0,218	0,473	0,529	0,182	0,268	71,854	20,210	19,955	21,372	21,248	20,831	20,759	21,790	20,473	77,972	58,333	73,779
176,167	0,218	0,477	0,529	0,179	0,273	71,827	20,198	19,507	21,377	21,259	20,833	20,758	21,781	20,477	77,926	58,319	73,761
176,333	0,214	0,485	0,529	0,187	0,273	71,745	20,197	16,663	21,361	21,257	20,840	20,758	21,777	20,477	77,907	58,307	73,746
176,500	0,213	0,494	0,528	0,182	0,273	71,723	20,199	21,216	21,377	21,261	20,831	20,774	21,766	20,476	77,888	58,302	73,722
176,667	0,214	0,502	0,529	0,180	0,270	71,643	20,169	15,224	21,369	21,261	20,825	20,760	21,799	20,476	77,828	58,294	73,702
176,834	0,213	0,509	0,529	0,177	0,274	71,692	20,185	17,088	21,366	21,258	20,846	20,757	21,783	20,476	77,764	58,297	73,673
177,000	0,211	0,512	0,528	0,183	0,279	71,621	20,182	23,925	21,364	21,252	20,838	20,764	21,781	20,479	77,787	58,290	73,641
177,167	0,208	0,513	0,528	0,180	0,272	71,572	20,163	21,729	21,365	21,231	20,852	20,769	21,779	20,477	77,760	58,290	73,622
177,334	0,210	0,516	0,528	0,173	0,274	71,558	20,161	19,669	21,365	21,242	20,839	20,765	21,788	20,476	77,737	58,285	73,592
177,500	0,217	0,514	0,528	0,186	0,272	71,553	20,167	18,742	21,364	21,244	20,839	20,766	21,772	20,477	77,712	58,285	73,560
177,667	0,215	0,500	0,528	0,188	0,271	71,518	20,156	21,820	21,355	21,253	20,860	20,763	21,784	20,475	77,661	58,277	73,538
177,834	0,215	0,483	0,528	0,188	0,267	71,507	20,133	24,250	21,362	21,235	20,844	20,765	21,780	20,476	77,654	58,275	73,521
178,000	0,214	0,489	0,528	0,184	0,267	71,438	20,121	21,330	21,372	21,238	20,843	20,765	21,796	20,475	77,705	58,263	73,501
178,167	0,216	0,506	0,528	0,181	0,272	71,454	20,026	24,547	21,368	21,233	20,844	20,760	21,779	20,476	77,627	58,259	73,470

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
172,167	54,924	0,358	0,355	7697,482	8216,139	29,939	9,016	511,652	7,290	10,943	4,271	2017-09-15 12:57
172,334	54,929	0,358	0,355	7709,309	8232,775	56,991	8,317	511,745	7,215	10,984	4,279	2017-09-15 12:58
172,500	54,933	0,358	0,355	7708,452	8215,496	60,900	7,958	511,745	7,486	11,089	4,299	2017-09-15 12:58
172,667	54,931	0,358	0,355	7717,856	8209,248	70,493	8,036	511,652	7,511	10,874	4,257	2017-09-15 12:58
172,833	54,933	0,358	0,355	7722,484	8204,591	57,286	8,356	511,745	7,448	10,929	4,268	2017-09-15 12:58
173,000	54,933	0,358	0,355	7731,070	8194,917	43,757	8,614	511,652	7,318	10,960	4,274	2017-09-15 12:58
173,167	54,935	0,358	0,355	7730,527	8202,836	55,066	8,371	511,652	7,414	10,931	4,268	2017-09-15 12:58
173,333	54,935	0,357	0,355	7723,588	8192,957	64,086	8,224	511,652	7,547	11,005	4,283	2017-09-15 12:59
173,500	54,939	0,358	0,354	7721,721	8192,566	53,381	8,162	511,652	7,550	11,020	4,286	2017-09-15 12:59
173,667	54,940	0,358	0,355	7732,669	8210,274	67,651	7,871	511,651	7,385	10,977	4,277	2017-09-15 12:59
173,833	54,941	0,358	0,355	7731,906	8193,636	71,629	7,453	511,652	7,235	10,870	4,256	2017-09-15 12:59
174,000	54,945	0,358	0,355	7731,077	8183,404	73,126	7,222	511,652	7,288	10,910	4,264	2017-09-15 12:59
174,167	54,952	0,358	0,355	7721,952	8160,823	120,695	7,075	511,652	7,545	11,001	4,282	2017-09-15 12:59
174,333	54,953	0,358	0,355	7720,082	8157,825	126,789	6,755	511,652	7,289	11,044	4,290	2017-09-15 13:00
174,500	54,959	0,358	0,355	7712,935	8121,271	125,125	6,651	511,745	7,304	11,033	4,288	2017-09-15 13:00
174,667	54,960	0,358	0,355	7715,344	8117,116	102,680	7,140	511,651	7,306	10,914	4,265	2017-09-15 13:00
174,833	54,964	0,358	0,355	7701,107	8120,216	81,823	7,812	511,745	7,241	10,897	4,262	2017-09-15 13:00
175,000	54,955	0,358	0,355	7703,526	8118,556	73,304	8,104	511,652	7,543	10,961	4,274	2017-09-15 13:00
175,167	54,949	0,358	0,355	7687,372	8098,039	54,847	8,124	511,651	7,104	10,947	4,271	2017-09-15 13:00
175,333	54,940	0,358	0,355	7679,110	8108,556	67,418	8,118	511,652	7,595	10,782	4,239	2017-09-15 13:01
175,500	54,932	0,358	0,355	7677,663	8069,791	91,305	7,789	511,652	7,201	10,945	4,271	2017-09-15 13:01
175,667	54,928	0,358	0,355	7667,307	8071,451	109,167	7,379	511,652	7,502	10,890	4,260	2017-09-15 13:01
175,833	54,924	0,358	0,355	7668,310	8057,894	124,882	7,063	511,651	7,124	11,075	4,296	2017-09-15 13:01
176,000	54,927	0,358	0,354	7657,706	8036,872	121,453	6,820	511,652	7,286	10,702	4,223	2017-09-15 13:01
176,167	54,927	0,358	0,354	7651,925	8023,629	122,245	6,927	511,652	7,164	10,918	4,266	2017-09-15 13:01
176,333	54,931	0,358	0,355	7647,730	8035,513	97,844	7,122	511,652	7,486	10,911	4,264	2017-09-15 13:02
176,500	54,933	0,358	0,355	7646,853	8022,270	88,018	7,346	511,558	7,294	10,938	4,270	2017-09-15 13:02
176,667	54,933	0,358	0,355	7629,088	7996,575	94,710	7,552	511,652	7,204	10,791	4,241	2017-09-15 13:02
176,834	54,933	0,358	0,355	7614,239	7968,473	86,729	7,730	511,652	7,094	10,972	4,276	2017-09-15 13:02
177,000	54,931	0,358	0,355	7612,981	7985,192	75,757	7,809	511,558	7,320	11,152	4,311	2017-09-15 13:02
177,167	54,924	0,358	0,355	7600,501	7974,702	56,960	7,816	511,557	7,200	10,873	4,257	2017-09-15 13:02
177,334	54,918	0,358	0,355	7587,898	7967,526	72,049	7,899	511,557	6,906	10,965	4,275	2017-09-15 13:03
177,500	54,917	0,358	0,355	7580,064	7961,916	112,530	7,838	511,558	7,431	10,887	4,260	2017-09-15 13:03
177,667	54,914	0,358	0,355	7572,959	7940,685	100,585	7,500	511,557	7,521	10,820	4,247	2017-09-15 13:03
177,834	54,912	0,358	0,355	7564,222	7931,643	103,702	7,072	511,557	7,529	10,679	4,219	2017-09-15 13:03
178,000	54,913	0,358	0,355	7562,907	7972,146	97,270	7,236	511,557	7,366	10,688	4,221	2017-09-15 13:03
178,167	54,912	0,358	0,355	7551,392	7935,439	106,644	7,659	511,558	7,249	10,880	4,258	2017-09-15 13:03

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
178,334	0,212	0,527	0,528	0,185	0,272	71,396	20,065	18,793	21,360	21,240	20,839	20,761	21,782	20,475	77,542	58,250	73,453
178,500	0,211	0,551	0,528	0,179	0,277	71,385	20,092	21,853	21,352	21,229	20,861	20,762	21,781	20,476	77,596	58,244	73,424
178,667	0,209	0,577	0,529	0,182	0,274	71,394	20,108	19,067	21,353	21,231	20,846	20,784	21,793	20,477	77,603	58,239	73,409
178,834	0,206	0,586	0,528	0,187	0,275	71,365	20,100	18,665	21,345	21,232	20,838	20,753	21,779	20,475	77,681	58,232	73,388
179,000	0,206	0,579	0,528	0,184	0,270	71,307	20,082	22,868	21,332	21,233	20,848	20,771	21,792	20,476	77,659	58,231	73,363
179,167	0,205	0,579	0,528	0,182	0,271	71,322	20,074	13,084	21,340	21,231	20,842	20,774	21,790	20,476	77,642	58,221	73,347
179,333	0,208	0,572	0,528	0,183	0,276	71,284	20,082	18,156	21,344	21,222	20,844	20,775	21,772	20,473	77,636	58,213	73,348
179,500	0,208	0,553	0,528	0,187	0,277	71,260	20,099	20,526	21,336	21,233	20,852	20,763	21,802	20,476	77,677	58,215	73,359
179,667	0,210	0,544	0,528	0,178	0,275	71,197	20,075	17,982	21,338	21,216	20,843	20,761	21,781	20,475	77,604	58,211	73,368
179,833	0,210	0,539	0,528	0,181	0,281	71,159	20,075	23,619	21,340	21,229	20,855	20,770	21,790	20,475	77,636	58,211	73,370
180,000	0,214	0,534	0,528	0,185	0,273	71,192	20,079	17,747	21,336	21,214	20,856	20,773	21,776	20,473	77,577	58,208	73,361
180,167	0,213	0,526	0,528	0,182	0,277	71,111	20,077	22,758	21,334	21,198	20,860	20,774	21,773	20,476	77,621	58,211	73,370
180,333	0,215	0,520	0,528	0,181	0,279	71,070	20,082	19,652	21,305	21,220	20,863	20,763	21,799	20,475	77,590	58,207	73,366
180,500	0,216	0,514	0,528	0,187	0,278	71,057	20,087	18,471	21,327	21,229	20,853	20,773	21,785	20,475	77,476	58,211	73,356
180,667	0,215	0,512	0,528	0,181	0,272	71,008	20,056	16,208	21,323	21,225	20,859	20,771	21,801	20,476	77,484	58,211	73,343
180,833	0,213	0,507	0,528	0,183	0,277	71,024	20,062	21,921	21,340	21,211	20,855	20,770	21,801	20,476	77,505	58,203	73,334
181,000	0,212	0,511	0,528	0,184	0,273	70,966	20,039	19,250	21,343	21,227	20,873	20,760	21,794	20,476	77,460	58,199	73,324
181,167	0,210	0,528	0,528	0,180	0,273	70,940	20,031	17,532	21,326	21,211	20,867	20,774	21,806	20,477	77,435	58,201	73,302
181,333	0,208	0,547	0,528	0,184	0,274	70,935	20,120	22,179	21,323	21,214	20,873	20,763	21,803	20,475	77,476	58,200	73,276
181,500	0,211	0,537	0,528	0,181	0,277	70,883	20,087	15,802	21,326	21,206	20,867	20,769	21,803	20,476	77,389	58,199	73,263
181,667	0,209	0,522	0,528	0,179	0,272	70,858	20,103	18,273	21,330	21,224	20,859	20,749	21,794	20,476	77,395	58,200	73,252
181,833	0,210	0,524	0,528	0,186	0,274	70,873	20,074	19,681	21,327	21,203	20,872	20,775	21,797	20,476	77,375	58,199	73,239
182,000	0,208	0,530	0,528	0,186	0,277	70,836	20,073	19,780	21,322	21,215	20,870	20,762	21,793	20,475	77,385	58,196	73,229
182,167	0,207	0,531	0,528	0,182	0,277	70,860	20,066	19,747	21,323	21,226	20,869	20,777	21,802	20,479	77,362	58,195	73,216
182,333	0,213	0,531	0,528	0,182	0,275	70,839	20,073	20,933	21,323	21,214	20,867	20,752	21,793	20,476	77,326	58,174	73,197
182,500	0,217	0,517	0,528	0,188	0,279	70,843	20,061	22,973	21,319	21,211	20,861	20,752	21,805	20,477	77,314	58,174	73,176
182,667	0,214	0,506	0,528	0,182	0,277	70,820	20,040	16,782	21,314	21,214	20,867	20,758	21,815	20,479	77,275	58,172	73,162
182,833	0,214	0,500	0,528	0,181	0,274	70,812	20,060	18,176	21,316	21,210	20,871	20,774	21,810	20,477	77,241	58,172	73,145
183,000	0,218	0,497	0,528	0,175	0,265	70,777	20,074	18,058	21,312	21,209	20,878	20,763	21,806	20,476	77,194	58,165	73,136
183,167	0,216	0,500	0,528	0,185	0,274	70,701	20,073	21,464	21,301	21,222	20,877	20,783	21,801	20,477	77,167	58,154	73,117
183,333	0,208	0,525	0,528	0,192	0,274	70,654	20,074	25,354	21,308	21,219	20,871	20,765	21,811	20,477	77,148	58,156	73,095
183,500	0,208	0,541	0,528	0,181	0,273	70,636	20,079	18,715	21,296	21,218	20,863	20,766	21,798	20,479	77,133	58,157	73,066
183,667	0,208	0,525	0,528	0,182	0,273	70,622	20,070	20,304	21,292	21,207	20,889	20,762	21,793	20,475	77,145	58,162	73,033
183,834	0,210	0,513	0,528	0,188	0,272	70,589	20,094	17,434	21,311	21,222	20,896	20,777	21,825	20,489	77,128	58,156	73,012
184,000	0,211	0,510	0,528	0,173	0,270	70,566	20,104	20,783	21,320	21,236	20,898	20,781	21,818	20,495	77,066	58,158	72,994
184,167	0,212	0,509	0,528	0,183	0,269	70,599	20,094	27,498	21,308	21,210	20,890	20,768	21,813	20,483	77,040	58,157	72,978
184,334	0,212	0,513	0,528	0,180	0,277	70,564	20,071	27,000	21,331	21,226	20,880	20,768	21,809	20,483	77,046	58,149	72,966

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
178,334	54,917	0,358	0,355	7542,001	7903,888	82,542	8,187	511,558	7,388	10,883	4,259	2017-09-15 13:04
178,500	54,916	0,358	0,355	7520,311	7928,822	77,084	8,777	511,558	7,179	11,089	4,299	2017-09-15 13:04
178,667	54,921	0,358	0,355	7522,788	7937,904	67,206	9,421	511,649	7,299	10,952	4,272	2017-09-15 13:04
178,834	54,921	0,358	0,355	7513,957	7973,606	47,179	9,646	511,558	7,483	10,998	4,281	2017-09-15 13:04
179,000	54,917	0,358	0,355	7499,039	7960,386	44,591	9,465	511,558	7,363	10,791	4,241	2017-09-15 13:04
179,167	54,914	0,358	0,355	7503,641	7951,022	39,337	9,476	511,557	7,270	10,848	4,252	2017-09-15 13:04
179,333	54,912	0,357	0,355	7500,538	7929,432	59,698	9,289	511,557	7,319	11,046	4,291	2017-09-15 13:05
179,500	54,909	0,358	0,355	7499,361	7971,501	56,963	8,813	511,557	7,481	11,096	4,300	2017-09-15 13:05
179,667	54,906	0,358	0,355	7517,080	7949,555	68,898	8,608	511,465	7,123	11,011	4,284	2017-09-15 13:05
179,833	54,902	0,358	0,355	7510,503	7963,422	73,304	8,466	511,465	7,225	11,232	4,327	2017-09-15 13:05
180,000	54,901	0,358	0,355	7502,419	7927,865	98,264	8,347	511,557	7,386	10,921	4,266	2017-09-15 13:05
180,167	54,900	0,358	0,355	7515,025	7948,539	86,361	8,155	511,557	7,275	11,074	4,296	2017-09-15 13:05
180,333	54,904	0,358	0,355	7513,653	7942,156	101,509	7,999	511,558	7,244	11,179	4,317	2017-09-15 13:06
180,500	54,910	0,358	0,356	7517,143	7901,033	110,776	7,858	511,465	7,472	11,107	4,302	2017-09-15 13:06
180,667	54,908	0,358	0,355	7503,995	7900,850	100,943	7,791	511,558	7,225	10,892	4,261	2017-09-15 13:06
180,833	54,906	0,358	0,355	7489,227	7906,234	89,668	7,677	511,557	7,327	11,062	4,294	2017-09-15 13:06
181,000	54,905	0,357	0,355	7483,465	7873,571	81,295	7,763	511,558	7,369	10,928	4,268	2017-09-15 13:06
181,167	54,901	0,358	0,354	7472,917	7871,234	69,579	8,201	511,557	7,189	10,933	4,269	2017-09-15 13:06
181,333	54,900	0,358	0,355	7475,739	7901,403	58,839	8,665	511,465	7,369	10,973	4,277	2017-09-15 13:07
181,500	54,894	0,358	0,355	7477,011	7869,796	78,953	8,426	511,465	7,248	11,065	4,294	2017-09-15 13:07
181,667	54,892	0,358	0,355	7475,032	7866,042	66,549	8,057	511,465	7,143	10,869	4,256	2017-09-15 13:07
181,833	54,892	0,358	0,355	7466,291	7856,371	71,820	8,094	511,465	7,425	10,962	4,274	2017-09-15 13:07
182,000	54,894	0,358	0,355	7453,963	7863,828	56,550	8,251	511,558	7,437	11,065	4,294	2017-09-15 13:07
182,167	54,896	0,358	0,355	7447,913	7845,517	53,416	8,284	511,465	7,281	11,076	4,297	2017-09-15 13:07
182,333	54,896	0,357	0,355	7438,317	7835,647	87,087	8,272	511,465	7,287	10,997	4,281	2017-09-15 13:08
182,500	54,897	0,358	0,355	7427,455	7840,694	112,103	7,927	511,465	7,518	11,159	4,313	2017-09-15 13:08
182,667	54,904	0,358	0,355	7428,658	7829,231	95,658	7,645	511,465	7,264	11,074	4,296	2017-09-15 13:08
182,833	54,909	0,358	0,355	7423,083	7818,645	93,654	7,507	511,465	7,224	10,970	4,276	2017-09-15 13:08
183,000	54,918	0,358	0,355	7408,796	7792,648	118,808	7,415	511,465	6,982	10,601	4,203	2017-09-15 13:08
183,167	54,918	0,358	0,355	7400,516	7784,127	106,662	7,508	511,465	7,408	10,948	4,272	2017-09-15 13:08
183,333	54,920	0,358	0,355	7390,432	7773,712	57,432	8,124	511,465	7,694	10,966	4,275	2017-09-15 13:09
183,500	54,922	0,358	0,355	7385,123	7776,449	59,277	8,534	511,558	7,236	10,933	4,269	2017-09-15 13:09
183,667	54,921	0,358	0,355	7367,949	7782,238	59,072	8,133	511,465	7,284	10,917	4,266	2017-09-15 13:09
183,834	54,924	0,358	0,355	7361,985	7770,214	70,701	7,820	511,465	7,517	10,887	4,260	2017-09-15 13:09
184,000	54,925	0,357	0,355	7341,781	7732,215	76,820	7,748	511,465	6,908	10,819	4,246	2017-09-15 13:09
184,167	54,924	0,358	0,355	7343,573	7736,936	80,218	7,722	511,465	7,312	10,755	4,234	2017-09-15 13:09
184,334	54,924	0,358	0,355	7338,047	7740,580	80,649	7,837	511,465	7,188	11,081	4,298	2017-09-15 13:10

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
184,500	0,210	0,527	0,528	0,184	0,275	70,569	20,036	20,886	21,300	21,209	20,878	20,769	21,802	20,477	77,068	58,152	72,948
184,667	0,209	0,543	0,528	0,180	0,269	70,563	20,022	16,766	21,324	21,213	20,879	20,768	21,810	20,489	77,042	58,149	72,943
184,834	0,209	0,557	0,528	0,181	0,273	70,517	20,028	20,822	21,316	21,219	20,877	20,774	21,823	20,479	77,051	58,139	72,920
185,000	0,211	0,548	0,528	0,184	0,275	70,482	20,039	17,384	21,309	21,215	20,882	20,763	21,813	20,476	77,106	58,134	72,897
185,167	0,215	0,511	0,528	0,180	0,273	70,478	20,045	16,884	21,334	21,206	20,899	20,773	21,817	20,487	77,068	58,145	72,890
185,334	0,214	0,473	0,528	0,184	0,275	70,421	20,025	23,556	21,321	21,198	20,889	20,769	21,817	20,484	76,997	58,129	72,888
185,500	0,214	0,455	0,528	0,182	0,271	70,425	20,051	21,335	21,317	21,206	20,893	20,760	21,806	20,479	76,950	58,134	72,886
185,667	0,214	0,459	0,527	0,183	0,276	70,425	20,045	22,902	21,310	21,197	20,895	20,760	21,810	20,477	76,940	58,134	72,897
185,834	0,214	0,479	0,527	0,182	0,272	70,435	20,032	19,119	21,305	21,197	20,909	20,770	21,818	20,488	76,908	58,125	72,892
186,000	0,212	0,504	0,527	0,181	0,275	70,444	20,022	21,055	21,301	21,214	20,886	20,758	21,815	20,485	76,904	58,131	72,874
186,167	0,208	0,526	0,527	0,179	0,272	70,430	20,023	23,817	21,293	21,195	20,884	20,767	21,806	20,476	76,869	58,131	72,848
186,333	0,212	0,530	0,527	0,179	0,274	70,384	20,026	21,946	21,309	21,189	20,882	20,767	21,806	20,479	76,855	58,137	72,821
186,500	0,211	0,521	0,527	0,189	0,275	70,344	20,023	15,635	21,297	21,190	20,870	20,763	21,805	20,473	76,806	58,141	72,788
186,667	0,214	0,511	0,527	0,182	0,275	70,387	19,971	17,719	21,292	21,193	20,877	20,771	21,806	20,476	76,820	58,130	72,766
186,833	0,214	0,501	0,527	0,178	0,279	70,384	19,994	22,604	21,300	21,192	20,884	20,757	21,815	20,477	76,847	58,122	72,755
187,000	0,216	0,501	0,528	0,175	0,276	70,339	20,000	17,479	21,271	21,218	20,889	20,756	21,805	20,480	76,816	58,127	72,740
187,167	0,212	0,506	0,527	0,185	0,275	70,328	20,002	23,854	21,283	21,192	20,906	20,749	21,798	20,477	76,780	58,122	72,724
187,333	0,211	0,513	0,528	0,181	0,275	70,326	19,998	27,414	21,278	21,209	20,889	20,757	21,823	20,477	76,768	58,123	72,711
187,500	0,209	0,517	0,527	0,179	0,273	70,318	20,018	25,396	21,266	21,189	20,895	20,761	21,820	20,476	76,780	58,121	72,707
187,667	0,209	0,519	0,527	0,173	0,276	70,315	19,989	24,659	21,266	21,206	20,906	20,759	21,802	20,473	76,726	58,119	72,694
187,833	0,210	0,522	0,527	0,179	0,275	70,277	19,990	29,863	21,262	21,199	20,914	20,765	21,814	20,476	76,711	58,127	72,688
188,000	0,207	0,538	0,527	0,182	0,280	70,300	19,975	29,844	21,289	21,186	20,906	20,767	21,812	20,475	76,698	58,127	72,667
188,167	0,206	0,545	0,527	0,186	0,272	70,316	19,907	25,674	21,274	21,181	20,900	20,758	21,820	20,475	76,726	58,125	72,658
188,333	0,207	0,552	0,527	0,176	0,271	70,290	19,952	22,183	21,254	21,191	20,904	20,759	21,812	20,473	76,749	58,109	72,642
188,500	0,207	0,545	0,527	0,177	0,275	70,222	19,937	24,155	21,257	21,189	20,903	20,753	21,820	20,473	76,729	58,118	72,624
188,667	0,209	0,537	0,527	0,180	0,274	70,230	19,934	20,688	21,259	21,194	20,899	20,759	21,819	20,473	76,737	58,115	72,615
188,833	0,210	0,522	0,527	0,186	0,273	70,160	19,952	25,974	21,268	21,194	20,898	20,761	21,814	20,475	76,788	58,119	72,612
189,000	0,210	0,517	0,527	0,181	0,280	70,134	19,959	27,608	21,272	21,184	20,917	20,756	21,811	20,471	76,706	58,118	72,608
189,167	0,211	0,509	0,527	0,171	0,275	70,123	19,962	19,700	21,262	21,190	20,915	20,758	21,819	20,475	76,721	58,113	72,607
189,333	0,211	0,509	0,527	0,174	0,272	70,112	19,968	22,539	21,266	21,180	20,911	20,756	21,829	20,473	76,688	58,109	72,618
189,500	0,210	0,507	0,527	0,183	0,274	70,057	19,947	25,579	21,253	21,181	20,898	20,746	21,831	20,472	76,671	58,101	72,618
189,667	0,211	0,499	0,527	0,182	0,279	70,064	19,964	16,272	21,244	21,188	20,908	20,761	21,815	20,471	76,672	58,105	72,611
189,833	0,215	0,501	0,527	0,184	0,275	70,095	19,917	16,085	21,257	21,190	20,895	20,752	21,815	20,471	76,601	58,105	72,599
190,000	0,208	0,512	0,527	0,174	0,273	70,089	19,900	27,619	21,249	21,185	20,907	20,748	21,807	20,471	76,652	58,103	72,586
190,167	0,208	0,536	0,527	0,174	0,275	70,044	19,916	14,723	21,267	21,191	20,923	20,758	21,814	20,472	76,633	58,105	72,570
190,334	0,208	0,539	0,527	0,174	0,274	70,015	19,933	17,213	21,259	21,186	20,895	20,742	21,818	20,469	76,634	58,101	72,555
190,500	0,209	0,519	0,527	0,174	0,276	69,959	19,904	20,475	21,245	21,173	20,907	20,748	21,811	20,468	76,595	58,098	72,535

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
184,500	54,924	0,358	0,355	7326,249	7745,429	73,557	8,178	511,465	7,367	11,002	4,282	2017-09-15 13:10
184,667	54,931	0,358	0,355	7322,045	7740,251	62,387	8,575	511,465	7,197	10,758	4,234	2017-09-15 13:10
184,834	54,933	0,358	0,355	7319,990	7757,923	65,159	8,931	511,465	7,242	10,907	4,264	2017-09-15 13:10
185,000	54,937	0,358	0,355	7310,289	7778,835	79,815	8,698	511,465	7,353	11,015	4,285	2017-09-15 13:10
185,167	54,940	0,358	0,355	7309,771	7758,324	100,780	7,773	511,465	7,211	10,935	4,269	2017-09-15 13:10
185,334	54,941	0,358	0,355	7295,708	7732,218	94,081	6,833	511,465	7,356	11,014	4,285	2017-09-15 13:11
185,500	54,939	0,358	0,355	7300,146	7702,669	96,159	6,368	511,465	7,293	10,856	4,254	2017-09-15 13:11
185,667	54,943	0,358	0,355	7304,934	7706,212	97,875	6,475	511,323	7,305	11,027	4,287	2017-09-15 13:11
185,834	54,944	0,358	0,355	7300,139	7696,034	92,611	6,985	511,323	7,286	10,871	4,257	2017-09-15 13:11
186,000	54,944	0,358	0,355	7302,814	7700,312	80,440	7,600	511,323	7,240	10,996	4,281	2017-09-15 13:11
186,167	54,948	0,358	0,355	7287,384	7678,539	60,320	8,139	511,322	7,162	10,894	4,261	2017-09-15 13:11
186,333	54,948	0,358	0,355	7266,029	7665,507	80,649	8,241	511,322	7,156	10,944	4,271	2017-09-15 13:12
186,500	54,951	0,358	0,355	7257,074	7652,048	77,324	8,030	511,322	7,558	10,989	4,280	2017-09-15 13:12
186,667	54,955	0,358	0,355	7242,049	7651,263	95,516	7,784	511,322	7,294	10,984	4,279	2017-09-15 13:12
186,833	54,957	0,358	0,355	7237,268	7670,372	97,010	7,531	511,323	7,112	11,165	4,314	2017-09-15 13:12
187,000	54,961	0,358	0,355	7230,142	7648,074	107,916	7,520	511,465	7,009	11,033	4,288	2017-09-15 13:12
187,167	54,963	0,358	0,355	7225,566	7649,847	85,075	7,651	511,323	7,408	10,982	4,278	2017-09-15 13:12
187,333	54,963	0,358	0,355	7228,497	7649,031	78,501	7,835	511,465	7,240	10,999	4,282	2017-09-15 13:13
187,500	54,963	0,358	0,356	7232,540	7654,355	65,979	7,917	511,323	7,155	10,904	4,263	2017-09-15 13:13
187,667	54,960	0,358	0,355	7217,132	7634,072	61,574	7,985	511,322	6,923	11,034	4,288	2017-09-15 13:13
187,833	54,961	0,358	0,356	7224,826	7621,475	69,742	8,056	511,323	7,177	10,996	4,281	2017-09-15 13:13
188,000	54,963	0,358	0,355	7206,315	7613,865	54,601	8,440	511,322	7,295	11,202	4,321	2017-09-15 13:13
188,167	54,964	0,358	0,355	7201,353	7627,357	43,451	8,627	511,322	7,437	10,895	4,261	2017-09-15 13:13
188,333	54,964	0,358	0,355	7190,184	7636,093	54,854	8,803	511,229	7,027	10,833	4,249	2017-09-15 13:14
188,500	54,968	0,358	0,355	7181,407	7622,600	54,437	8,631	511,322	7,061	11,018	4,285	2017-09-15 13:14
188,667	54,967	0,358	0,355	7177,534	7630,421	65,552	8,425	511,229	7,214	10,964	4,275	2017-09-15 13:14
188,833	54,971	0,358	0,355	7176,623	7651,659	71,848	8,061	511,228	7,437	10,908	4,264	2017-09-15 13:14
189,000	54,967	0,358	0,355	7177,339	7607,407	71,483	7,922	511,228	7,236	11,205	4,322	2017-09-15 13:14
189,167	54,971	0,358	0,355	7170,598	7617,577	77,417	7,713	511,229	6,857	11,008	4,283	2017-09-15 13:14
189,333	54,969	0,358	0,355	7179,382	7604,650	77,869	7,720	511,229	6,949	10,879	4,258	2017-09-15 13:15
189,500	54,971	0,358	0,355	7184,656	7610,737	73,123	7,670	511,229	7,309	10,954	4,273	2017-09-15 13:15
189,667	54,971	0,358	0,355	7179,909	7606,234	76,886	7,486	511,322	7,292	11,155	4,312	2017-09-15 13:15
189,833	54,971	0,358	0,355	7172,400	7574,308	103,302	7,516	511,229	7,378	11,002	4,282	2017-09-15 13:15
190,000	54,969	0,358	0,355	7163,625	7595,333	60,945	7,808	511,229	6,967	10,938	4,270	2017-09-15 13:15
190,167	54,968	0,357	0,355	7155,594	7579,743	55,507	8,405	511,229	6,955	11,001	4,282	2017-09-15 13:15
190,334	54,968	0,358	0,355	7148,988	7590,153	59,673	8,466	511,229	6,961	10,976	4,277	2017-09-15 13:16
190,500	54,972	0,358	0,355	7148,552	7577,484	65,149	7,973	511,229	6,943	11,045	4,290	2017-09-15 13:16

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
190,667	0,212	0,517	0,527	0,180	0,276	69,975	19,909	16,161	21,254	21,169	20,907	20,750	21,808	20,468	76,587	58,105	72,524
190,834	0,212	0,523	0,527	0,180	0,277	69,972	19,890	17,277	21,249	21,178	20,903	20,748	21,815	20,468	76,544	58,092	72,520
191,000	0,211	0,529	0,527	0,178	0,276	69,910	19,904	15,330	21,246	21,160	20,919	20,753	21,806	20,468	76,590	58,088	72,515
191,167	0,211	0,525	0,527	0,176	0,273	69,864	19,908	21,698	21,253	21,176	20,908	20,753	21,820	20,468	76,595	58,096	72,503
191,334	0,210	0,523	0,527	0,181	0,271	69,849	19,933	16,157	21,249	21,174	20,917	20,742	21,827	20,467	76,597	58,096	72,497
191,500	0,208	0,528	0,526	0,183	0,276	69,833	19,840	18,562	21,242	21,177	20,902	20,753	21,816	20,468	76,595	58,098	72,487
191,667	0,208	0,538	0,527	0,176	0,276	69,777	19,937	17,777	21,254	21,189	20,919	20,749	21,808	20,469	76,648	58,092	72,488
191,834	0,206	0,541	0,527	0,177	0,272	69,797	19,956	25,194	21,253	21,202	20,921	20,757	21,811	20,469	76,649	58,087	72,485
192,000	0,205	0,540	0,526	0,177	0,276	69,770	20,037	19,421	21,246	21,190	20,926	20,735	21,816	20,469	76,640	58,091	72,492
192,167	0,209	0,532	0,526	0,176	0,273	69,770	19,984	23,957	21,238	21,176	20,917	20,755	21,816	20,468	76,632	58,087	72,495
192,334	0,210	0,512	0,526	0,179	0,271	69,771	19,965	16,298	21,241	21,174	20,917	20,749	21,820	20,464	76,568	58,082	72,501
192,500	0,213	0,505	0,526	0,174	0,280	69,848	19,976	20,962	21,231	21,195	20,917	20,749	21,825	20,467	76,591	58,079	72,504
192,667	0,213	0,506	0,526	0,182	0,277	69,887	19,887	18,095	21,261	21,197	20,928	20,765	21,825	20,468	76,578	58,084	72,505
192,833	0,210	0,519	0,526	0,180	0,277	69,948	19,994	16,845	21,253	21,178	20,921	20,754	21,825	20,465	76,615	58,083	72,505
193,000	0,208	0,542	0,527	0,172	0,270	69,994	19,924	18,491	21,237	21,189	20,920	20,765	21,819	20,467	76,597	58,082	72,499
193,167	0,207	0,562	0,526	0,181	0,277	70,064	19,947	18,974	21,273	21,210	20,941	20,766	21,841	20,484	76,649	58,091	72,487
193,333	0,207	0,567	0,526	0,178	0,278	70,055	19,921	26,672	21,240	21,177	20,920	20,755	21,799	20,464	76,675	58,090	72,469
193,500	0,206	0,551	0,526	0,179	0,272	70,014	19,965	28,655	21,258	21,194	20,925	20,744	21,819	20,465	76,726	58,076	72,474
193,667	0,210	0,525	0,526	0,181	0,275	70,061	19,921	20,144	21,253	21,173	20,913	20,757	21,818	20,464	76,699	58,078	72,478
193,833	0,210	0,507	0,526	0,175	0,270	70,128	19,952	23,583	21,247	21,178	20,912	20,751	21,814	20,464	76,738	58,082	72,493
194,000	0,209	0,505	0,526	0,182	0,275	70,112	19,956	22,150	21,240	21,182	20,915	20,741	21,811	20,464	76,744	58,078	72,518
194,167	0,209	0,507	0,526	0,174	0,279	70,158	19,971	27,014	21,255	21,187	20,930	20,738	21,823	20,464	76,745	58,070	72,534
194,333	0,209	0,505	0,526	0,174	0,275	70,170	19,957	3,836	21,253	21,177	20,920	20,750	21,808	20,464	76,700	58,064	72,547
194,500	0,209	0,508	0,526	0,183	0,276	70,160	19,900	-7,895	21,262	21,185	20,919	20,736	21,814	20,465	76,735	58,068	72,564
194,667	0,208	0,510	0,526	0,178	0,275	70,195	19,897	-21,300	21,266	21,183	20,922	20,745	21,827	20,465	76,727	58,068	72,576
194,833	0,208	0,518	0,526	0,183	0,272	70,216	19,916	20,691	21,259	21,191	20,921	20,753	21,819	20,465	76,738	58,071	72,585
195,000	0,209	0,515	0,526	0,183	0,277	70,281	19,927	20,928	21,264	21,203	20,925	20,741	21,816	20,465	76,772	58,074	72,581
195,167	0,212	0,517	0,526	0,184	0,272	70,269	19,933	20,441	21,275	21,199	20,924	20,744	21,811	20,464	76,783	58,076	72,578
195,333	0,210	0,516	0,526	0,167	0,271	70,311	19,929	23,444	21,260	21,199	20,916	20,755	21,820	20,463	76,773	58,084	72,581
195,500	0,210	0,519	0,526	0,173	0,270	70,324	19,938	21,855	21,247	21,176	20,930	20,751	21,817	20,461	76,753	58,083	72,582
195,667	0,209	0,509	0,526	0,178	0,275	70,344	19,960	23,962	21,250	21,189	20,924	20,750	21,827	20,460	76,754	58,090	72,595
195,833	0,211	0,503	0,526	0,173	0,276	70,359	19,946	23,602	21,260	21,200	20,932	20,741	21,808	20,461	76,834	58,091	72,595
196,000	0,210	0,507	0,526	0,179	0,273	70,385	19,943	24,104	21,254	21,191	20,926	20,751	21,825	20,465	76,787	58,098	72,603
196,167	0,206	0,512	0,526	0,181	0,274	70,456	19,961	54,526	21,255	21,194	20,922	20,759	21,827	20,464	76,857	58,095	72,604
196,333	0,205	0,519	0,526	0,178	0,279	70,467	19,963	17,494	21,258	21,194	20,932	20,753	21,806	20,464	76,839	58,094	72,608
196,500	0,207	0,520	0,526	0,173	0,273	70,486	19,981	17,165	21,251	21,197	20,932	20,745	21,802	20,464	76,846	58,092	72,616
196,667	0,208	0,521	0,526	0,177	0,278	70,491	19,948	18,869	21,249	21,190	20,938	20,750	21,820	20,463	76,861	58,091	72,627

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
190,667	54,972	0,358	0,355	7143,594	7578,664	83,796	7,920	511,229	7,212	11,056	4,293	2017-09-15 13:16
190,834	54,971	0,358	0,355	7144,320	7559,993	85,152	8,087	511,229	7,217	11,087	4,299	2017-09-15 13:16
191,000	54,971	0,358	0,355	7137,748	7579,919	76,879	8,221	511,229	7,104	11,029	4,287	2017-09-15 13:16
191,167	54,975	0,358	0,355	7126,645	7575,434	77,723	8,133	511,229	7,035	10,909	4,264	2017-09-15 13:16
191,334	54,972	0,358	0,355	7124,268	7582,516	73,533	8,066	511,229	7,258	10,826	4,248	2017-09-15 13:17
191,500	54,972	0,358	0,355	7130,735	7575,634	60,323	8,191	511,135	7,337	11,037	4,289	2017-09-15 13:17
191,667	54,969	0,358	0,355	7132,929	7598,661	55,104	8,443	511,229	7,059	11,040	4,290	2017-09-15 13:17
191,834	54,969	0,358	0,355	7120,422	7601,433	46,651	8,534	511,229	7,061	10,895	4,261	2017-09-15 13:17
192,000	54,965	0,358	0,355	7128,067	7595,350	38,069	8,507	511,135	7,089	11,036	4,289	2017-09-15 13:17
192,167	54,964	0,358	0,355	7132,800	7598,167	64,902	8,290	511,135	7,043	10,921	4,266	2017-09-15 13:17
192,334	54,963	0,358	0,355	7135,553	7569,933	69,315	7,804	511,135	7,145	10,832	4,249	2017-09-15 13:18
192,500	54,964	0,358	0,355	7132,839	7579,683	89,255	7,625	511,135	6,966	11,183	4,317	2017-09-15 13:18
192,667	54,964	0,358	0,355	7144,818	7582,365	90,210	7,640	511,135	7,290	11,085	4,298	2017-09-15 13:18
192,833	54,961	0,358	0,355	7140,293	7588,730	68,415	7,984	511,135	7,200	11,082	4,298	2017-09-15 13:18
193,000	54,963	0,358	0,355	7126,121	7582,089	58,016	8,560	511,229	6,890	10,788	4,240	2017-09-15 13:18
193,167	54,963	0,358	0,355	7123,719	7598,457	49,834	9,054	511,135	7,255	11,067	4,295	2017-09-15 13:18
193,333	54,961	0,357	0,355	7115,304	7605,034	51,731	9,185	511,135	7,119	11,106	4,302	2017-09-15 13:19
193,500	54,957	0,357	0,355	7122,225	7626,867	42,982	8,784	511,135	7,159	10,897	4,262	2017-09-15 13:19
193,667	54,953	0,358	0,355	7124,969	7623,909	73,106	8,137	511,136	7,244	10,987	4,279	2017-09-15 13:19
193,833	54,955	0,358	0,355	7136,108	7637,515	68,005	7,675	511,136	6,981	10,810	4,245	2017-09-15 13:19
194,000	54,951	0,357	0,355	7141,281	7637,439	62,175	7,632	511,135	7,262	11,019	4,285	2017-09-15 13:19
194,167	54,951	0,358	0,355	7153,690	7646,044	67,036	7,674	511,135	6,977	11,144	4,310	2017-09-15 13:19
194,333	54,949	0,357	0,355	7151,373	7622,677	65,552	7,622	511,135	6,979	10,988	4,279	2017-09-15 13:20
194,500	54,952	0,357	0,355	7160,145	7632,179	61,202	7,696	511,135	7,308	11,029	4,287	2017-09-15 13:20
194,667	54,949	0,358	0,354	7160,361	7636,006	58,419	7,756	511,136	7,112	11,006	4,283	2017-09-15 13:20
194,833	54,949	0,358	0,355	7166,756	7640,639	59,694	7,943	511,135	7,325	10,878	4,258	2017-09-15 13:20
195,000	54,949	0,358	0,355	7168,375	7658,072	67,230	7,880	511,067	7,305	11,063	4,294	2017-09-15 13:20
195,167	54,948	0,358	0,355	7165,838	7659,293	81,708	7,924	511,136	7,372	10,900	4,262	2017-09-15 13:20
195,333	54,945	0,358	0,355	7168,030	7649,455	73,543	7,911	511,136	6,661	10,825	4,248	2017-09-15 13:21
195,500	54,944	0,358	0,355	7177,503	7645,124	68,311	7,969	511,135	6,921	10,816	4,246	2017-09-15 13:21
195,667	54,943	0,358	0,355	7181,006	7643,457	61,761	7,718	511,041	7,115	11,007	4,283	2017-09-15 13:21
195,833	54,940	0,358	0,355	7173,876	7672,322	78,977	7,583	511,041	6,918	11,031	4,288	2017-09-15 13:21
196,000	54,939	0,357	0,355	7180,845	7640,208	73,279	7,671	511,042	7,163	10,908	4,264	2017-09-15 13:21
196,167	54,937	0,357	0,355	7178,106	7670,017	46,939	7,796	511,042	7,227	10,953	4,273	2017-09-15 13:21
196,333	54,935	0,357	0,355	7185,407	7670,787	39,306	7,964	511,042	7,108	11,153	4,311	2017-09-15 13:22
196,500	54,935	0,358	0,355	7190,548	7679,954	51,703	7,989	511,041	6,929	10,906	4,263	2017-09-15 13:22
196,667	54,936	0,358	0,355	7200,237	7686,025	57,981	8,017	511,042	7,084	11,115	4,304	2017-09-15 13:22

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
196,833	0,208	0,517	0,526	0,178	0,276	70,542	19,923	93,823	21,259	21,212	20,911	20,757	21,810	20,461	76,892	58,095	72,643
197,000	0,207	0,517	0,526	0,183	0,270	70,518	19,955	20,040	21,255	21,187	20,932	20,748	21,814	20,465	76,838	58,103	72,659
197,167	0,207	0,521	0,526	0,180	0,269	70,522	19,950	21,923	21,246	21,189	20,925	20,744	21,811	20,459	76,860	58,091	72,669
197,334	0,207	0,523	0,526	0,177	0,275	70,526	19,875	17,108	21,249	21,198	20,930	20,759	21,828	20,464	76,866	58,091	72,676
197,500	0,207	0,526	0,526	0,177	0,279	70,520	19,899	24,036	21,263	21,186	20,929	20,757	21,810	20,463	76,916	58,094	72,677
197,667	0,208	0,517	0,526	0,182	0,274	70,536	19,930	20,194	21,251	21,190	20,938	20,765	21,814	20,464	76,900	58,098	72,682
197,834	0,206	0,512	0,526	0,182	0,277	70,538	19,929	17,955	21,250	21,187	20,922	20,754	21,819	20,461	76,932	58,099	72,686
198,000	0,208	0,506	0,526	0,178	0,270	70,519	19,927	17,568	21,253	21,185	20,941	20,742	21,825	20,463	76,900	58,102	72,697
198,167	0,212	0,494	0,526	0,188	0,271	70,483	19,939	24,008	21,255	21,180	20,935	20,746	21,833	20,463	76,919	58,105	72,709
198,334	0,212	0,488	0,526	0,180	0,276	70,485	19,922	1,515	21,237	21,202	20,941	20,751	21,814	20,463	76,916	58,102	72,721
198,500	0,210	0,490	0,526	0,173	0,276	70,486	19,917	14,262	21,242	21,189	20,943	20,751	21,814	20,460	76,904	58,101	72,734
198,667	0,212	0,501	0,526	0,173	0,277	70,423	19,930	18,884	21,250	21,196	20,930	20,751	21,828	20,463	76,947	58,098	72,740
198,834	0,210	0,503	0,526	0,172	0,268	70,452	19,887	13,103	21,259	21,187	20,938	20,748	21,825	20,463	76,900	58,099	72,747
199,000	0,212	0,495	0,525	0,179	0,268	70,423	19,909	17,353	21,242	21,206	20,929	20,757	21,811	20,463	76,951	58,102	72,755
199,167	0,209	0,497	0,525	0,176	0,274	70,414	19,934	23,500	21,240	21,182	20,938	20,746	21,831	20,463	76,950	58,101	72,754
199,334	0,210	0,506	0,525	0,184	0,271	70,414	19,893	16,716	21,236	21,190	20,935	20,746	21,832	20,461	76,907	58,099	72,744
199,500	0,207	0,513	0,525	0,175	0,279	70,393	19,912	21,566	21,236	21,193	20,946	20,742	21,824	20,460	76,940	58,102	72,744
199,667	0,207	0,507	0,525	0,179	0,275	70,394	19,926	27,562	21,255	21,189	20,951	20,742	21,820	20,463	76,946	58,103	72,751
199,833	0,210	0,508	0,525	0,181	0,273	70,317	19,940	23,991	21,238	21,190	20,925	20,753	21,829	20,461	76,869	58,107	72,747
200,000	0,210	0,514	0,525	0,174	0,271	70,343	19,934	25,547	21,257	21,206	20,934	20,758	21,815	20,463	76,913	58,111	72,748
200,167	0,214	0,517	0,525	0,173	0,266	70,305	19,930	24,915	21,243	21,191	20,943	20,746	21,828	20,463	76,917	58,109	72,744
200,333	0,214	0,513	0,525	0,174	0,279	70,346	19,946	22,520	21,254	21,198	20,947	20,741	21,827	20,464	76,916	58,101	72,747
200,500	0,215	0,525	0,525	0,181	0,275	70,305	19,946	22,103	21,256	21,203	20,938	20,744	21,824	20,461	76,928	58,098	72,736
200,667	0,211	0,528	0,525	0,173	0,276	70,327	19,936	24,370	21,250	21,186	20,939	20,745	21,823	20,460	76,948	58,094	72,734
200,833	0,214	0,529	0,525	0,179	0,274	70,374	19,947	20,155	21,254	21,206	20,937	20,755	21,824	20,460	76,932	58,098	72,732
201,000	0,214	0,531	0,525	0,178	0,277	70,356	19,923	22,141	21,249	21,185	20,939	20,737	21,819	20,457	76,950	58,096	72,743
201,167	0,214	0,527	0,525	0,179	0,275	70,380	19,947	20,582	21,262	21,177	20,945	20,750	21,820	20,459	76,930	58,102	72,746
201,333	0,215	0,517	0,525	0,175	0,277	70,378	19,934	14,535	21,255	21,190	20,938	20,749	21,804	20,459	76,917	58,102	72,740
201,500	0,215	0,511	0,525	0,184	0,274	70,350	19,942	16,175	21,258	21,186	20,937	20,736	21,812	20,457	76,954	58,098	72,746
201,667	0,211	0,520	0,525	0,174	0,277	70,370	19,948	23,024	21,243	21,191	20,928	20,754	21,820	20,460	76,915	58,092	72,746
201,833	0,208	0,531	0,525	0,178	0,274	70,348	19,940	14,406	21,243	21,199	20,950	20,754	21,812	20,460	76,891	58,094	72,751
202,000	0,206	0,541	0,525	0,189	0,276	70,330	19,947	24,569	21,253	21,196	20,942	20,749	21,815	20,460	76,917	58,096	72,746
202,167	0,206	0,547	0,525	0,175	0,273	70,383	19,960	27,110	21,268	21,190	20,954	20,738	21,812	20,460	76,928	58,088	72,748
202,333	0,204	0,553	0,525	0,173	0,273	70,398	19,951	28,065	21,247	21,195	20,947	20,759	21,824	20,459	76,916	58,090	72,743
202,500	0,203	0,560	0,525	0,171	0,274	70,424	19,940	24,338	21,246	21,194	20,947	20,759	21,820	20,459	76,978	58,095	72,742
202,667	0,202	0,553	0,525	0,176	0,271	70,436	19,922	20,166	21,241	21,194	20,943	20,742	21,804	20,459	77,000	58,095	72,738
202,833	0,203	0,552	0,525	0,180	0,272	70,436	19,893	19,074	21,262	21,183	20,935	20,757	21,798	20,459	77,066	58,091	72,747

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
196,833	54,937	0,358	0,355	7202,999	7700,284	60,080	7,914	511,041	7,104	11,057	4,293	2017-09-15 13:22
197,000	54,933	0,358	0,355	7202,265	7673,511	53,492	7,927	511,041	7,340	10,819	4,246	2017-09-15 13:22
197,167	54,932	0,358	0,355	7207,385	7687,714	52,346	8,024	511,041	7,193	10,765	4,236	2017-09-15 13:22
197,334	54,929	0,358	0,355	7218,207	7696,743	49,795	8,083	511,041	7,086	11,004	4,283	2017-09-15 13:23
197,500	54,925	0,358	0,355	7217,278	7715,559	54,642	8,154	511,041	7,060	11,144	4,310	2017-09-15 13:23
197,667	54,924	0,358	0,355	7220,577	7697,195	55,264	7,929	511,041	7,271	10,958	4,274	2017-09-15 13:23
197,834	54,924	0,358	0,355	7229,379	7710,682	43,962	7,792	511,041	7,280	11,091	4,300	2017-09-15 13:23
198,000	54,925	0,357	0,354	7213,222	7688,898	55,487	7,645	511,042	7,113	10,799	4,242	2017-09-15 13:23
198,167	54,922	0,358	0,354	7221,824	7702,156	82,441	7,340	511,042	7,508	10,835	4,250	2017-09-15 13:23
198,334	54,920	0,358	0,355	7240,184	7712,222	82,473	7,204	511,042	7,192	11,028	4,287	2017-09-15 13:24
198,500	54,917	0,358	0,355	7258,393	7714,980	72,671	7,253	511,041	6,925	11,031	4,288	2017-09-15 13:24
198,667	54,917	0,358	0,355	7246,957	7728,499	82,348	7,520	511,042	6,905	11,061	4,294	2017-09-15 13:24
198,834	54,914	0,358	0,355	7250,247	7697,417	70,604	7,574	511,042	6,877	10,716	4,226	2017-09-15 13:24
199,000	54,913	0,357	0,355	7250,782	7708,549	82,327	7,363	510,948	7,173	10,715	4,226	2017-09-15 13:24
199,167	54,913	0,357	0,355	7250,960	7713,329	63,679	7,415	510,948	7,047	10,968	4,276	2017-09-15 13:24
199,334	54,913	0,358	0,355	7247,676	7700,737	71,017	7,651	510,948	7,350	10,851	4,253	2017-09-15 13:25
199,500	54,910	0,358	0,355	7252,643	7712,112	52,155	7,826	510,948	6,997	11,167	4,314	2017-09-15 13:25
199,667	54,910	0,358	0,355	7258,701	7721,190	51,074	7,670	510,948	7,163	11,012	4,284	2017-09-15 13:25
199,833	54,910	0,358	0,355	7256,322	7689,860	69,534	7,700	510,948	7,260	10,904	4,263	2017-09-15 13:25
200,000	54,908	0,358	0,355	7262,584	7709,883	71,233	7,848	510,948	6,969	10,858	4,254	2017-09-15 13:25
200,167	54,909	0,357	0,355	7246,742	7691,972	94,098	7,931	510,948	6,909	10,637	4,211	2017-09-15 13:25
200,333	54,906	0,357	0,355	7250,224	7690,774	96,822	7,823	510,948	6,948	11,140	4,309	2017-09-15 13:26
200,500	54,908	0,358	0,355	7251,172	7710,898	100,165	8,137	510,948	7,240	10,981	4,278	2017-09-15 13:26
200,667	54,905	0,358	0,355	7253,026	7720,086	79,804	8,210	510,948	6,924	11,054	4,292	2017-09-15 13:26
200,833	54,905	0,357	0,354	7236,999	7703,815	97,010	8,226	510,948	7,169	10,943	4,271	2017-09-15 13:26
201,000	54,900	0,358	0,355	7259,792	7722,969	94,109	8,277	510,948	7,122	11,074	4,296	2017-09-15 13:26
201,167	54,901	0,358	0,355	7262,214	7710,344	92,357	8,180	510,948	7,156	10,997	4,281	2017-09-15 13:26
201,333	54,894	0,358	0,355	7264,772	7716,751	99,946	7,935	510,948	6,996	11,074	4,296	2017-09-15 13:27
201,500	54,898	0,357	0,355	7262,019	7715,306	101,631	7,777	510,948	7,350	10,979	4,278	2017-09-15 13:27
201,667	54,898	0,357	0,355	7252,977	7700,184	79,822	8,002	510,948	6,964	11,074	4,296	2017-09-15 13:27
201,833	54,897	0,357	0,354	7251,269	7690,450	56,783	8,267	510,854	7,122	10,942	4,271	2017-09-15 13:27
202,000	54,896	0,357	0,354	7251,488	7700,949	46,046	8,531	510,948	7,576	11,043	4,290	2017-09-15 13:27
202,167	54,890	0,357	0,355	7258,085	7701,490	48,162	8,672	510,854	6,998	10,916	4,265	2017-09-15 13:27
202,333	54,894	0,357	0,355	7258,684	7701,848	33,747	8,826	510,948	6,920	10,924	4,267	2017-09-15 13:28
202,500	54,890	0,358	0,355	7270,115	7737,017	29,362	8,991	510,854	6,854	10,945	4,271	2017-09-15 13:28
202,667	54,889	0,358	0,355	7263,283	7738,648	23,192	8,827	510,948	7,054	10,833	4,249	2017-09-15 13:28
202,833	54,892	0,357	0,355	7258,847	7761,266	24,453	8,811	510,854	7,191	10,861	4,255	2017-09-15 13:28

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
203,000	0,204	0,551	0,525	0,171	0,275	70,478	19,900	22,834	21,264	21,207	20,965	20,751	21,814	20,463	77,059	58,090	72,746
203,167	0,205	0,536	0,525	0,184	0,278	70,456	19,912	18,733	21,260	21,193	20,976	20,749	21,823	20,465	77,048	58,094	72,762
203,333	0,207	0,532	0,525	0,183	0,275	70,385	19,927	25,562	21,264	21,182	20,967	20,754	21,814	20,461	77,078	58,090	72,777
203,500	0,206	0,543	0,525	0,178	0,270	70,325	19,907	20,229	21,254	21,193	20,952	20,759	21,825	20,463	77,082	58,080	72,797
203,667	0,206	0,555	0,525	0,172	0,269	70,396	19,943	24,180	21,262	21,195	20,967	20,758	21,829	20,464	77,097	58,090	72,812
203,833	0,206	0,552	0,525	0,178	0,271	70,417	19,956	17,847	21,271	21,197	20,964	20,765	21,827	20,464	77,131	58,080	72,827
204,000	0,208	0,546	0,525	0,176	0,272	70,366	19,952	21,122	21,263	21,194	20,951	20,761	21,825	20,461	77,168	58,078	72,836
204,167	0,208	0,535	0,525	0,176	0,274	70,373	19,939	16,791	21,259	21,179	20,951	20,758	21,811	20,456	77,124	58,076	72,852
204,334	0,211	0,517	0,525	0,172	0,276	70,416	19,944	14,858	21,264	21,189	20,948	20,762	21,830	20,460	77,114	58,079	72,874
204,500	0,209	0,507	0,525	0,184	0,272	70,448	19,944	23,445	21,276	21,203	20,955	20,760	21,829	20,459	77,114	58,087	72,885
204,667	0,210	0,506	0,525	0,181	0,274	70,416	19,952	24,277	21,273	21,199	20,964	20,751	21,823	20,461	77,101	58,099	72,900
204,834	0,209	0,515	0,524	0,179	0,271	70,406	19,963	19,908	21,276	21,194	20,946	20,772	21,827	20,460	77,089	58,096	72,898
205,000	0,208	0,535	0,525	0,179	0,278	70,342	19,956	23,471	21,268	21,190	20,948	20,754	21,827	20,459	77,109	58,106	72,898
205,167	0,206	0,541	0,525	0,177	0,280	70,315	19,976	15,642	21,266	21,203	20,948	20,763	21,823	20,461	77,104	58,110	72,892
205,334	0,206	0,534	0,524	0,184	0,276	70,303	19,987	25,723	21,271	21,198	20,958	20,763	21,798	20,459	77,124	58,117	72,888
205,500	0,206	0,524	0,524	0,184	0,272	70,298	19,990	25,270	21,271	21,203	20,956	20,749	21,804	20,460	77,149	58,111	72,886
205,667	0,206	0,526	0,524	0,185	0,274	70,269	19,974	17,403	21,279	21,190	20,961	20,760	21,816	20,459	77,116	58,107	72,888
205,834	0,206	0,523	0,524	0,190	0,273	70,234	19,961	21,401	21,263	21,176	20,977	20,767	21,813	20,459	77,159	58,111	72,889
206,000	0,206	0,511	0,525	0,184	0,275	70,236	19,955	22,899	21,279	21,183	20,973	20,762	21,804	20,461	77,129	58,109	72,897
206,167	0,207	0,514	0,524	0,183	0,278	70,247	19,961	26,777	21,263	21,191	20,955	20,764	21,803	20,459	77,182	58,103	72,905
206,334	0,206	0,513	0,524	0,178	0,281	70,236	19,980	16,945	21,285	21,202	20,958	20,751	21,814	20,461	77,110	58,102	72,906
206,500	0,208	0,517	0,524	0,179	0,274	70,247	19,972	18,565	21,272	21,194	20,956	20,747	21,790	20,459	77,095	58,098	72,913
206,667	0,205	0,520	0,524	0,172	0,275	70,244	19,976	22,382	21,276	21,194	20,968	20,768	21,802	20,461	77,098	58,099	72,920
206,833	0,205	0,529	0,524	0,180	0,274	70,320	19,980	23,292	21,268	21,190	20,964	20,747	21,816	20,460	77,113	58,101	72,915
207,000	0,205	0,538	0,525	0,176	0,273	70,327	19,998	17,669	21,288	21,187	20,963	20,763	21,810	20,463	77,129	58,105	72,904
207,167	0,206	0,544	0,524	0,181	0,274	70,331	19,986	10,529	21,288	21,187	20,965	20,767	21,799	20,463	77,166	58,103	72,900
207,333	0,208	0,552	0,524	0,174	0,274	70,255	19,991	20,553	21,289	21,191	20,965	20,768	21,806	20,460	77,135	58,095	72,894
207,500	0,208	0,542	0,524	0,182	0,277	70,245	19,993	24,566	21,292	21,193	20,976	20,754	21,800	20,460	77,155	58,094	72,894
207,667	0,206	0,554	0,524	0,172	0,277	70,253	20,008	22,542	21,285	21,185	20,966	20,763	21,808	20,464	77,126	58,101	72,900
207,833	0,206	0,557	0,524	0,182	0,281	70,247	20,008	28,063	21,284	21,198	20,978	20,766	21,800	20,461	77,147	58,109	72,909
208,000	0,206	0,548	0,524	0,179	0,275	70,196	20,015	18,198	21,280	21,203	20,972	20,770	21,820	20,463	77,190	58,115	72,909
208,167	0,205	0,549	0,524	0,188	0,275	70,175	20,010	16,624	21,276	21,194	20,962	20,758	21,808	20,460	77,186	58,117	72,915
208,333	0,207	0,551	0,524	0,181	0,278	70,095	20,019	18,313	21,271	21,203	20,976	20,758	21,808	20,463	77,183	58,113	72,916
208,500	0,209	0,522	0,524	0,180	0,269	70,131	20,039	25,721	21,298	21,185	20,990	20,763	21,810	20,467	77,206	58,115	72,931
208,667	0,214	0,504	0,524	0,185	0,269	70,122	20,018	21,079	21,283	21,195	20,980	20,758	21,804	20,461	77,143	58,119	72,935
208,833	0,225	0,476	0,523	0,177	0,269	70,054	20,028	16,386	21,300	21,199	20,980	20,770	21,821	20,465	77,122	58,125	72,952
209,000	0,225	0,449	0,524	0,184	0,274	70,067	20,041	16,145	21,287	21,186	20,969	20,755	21,818	20,464	77,108	58,131	72,960

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
203,000	54,890	0,357	0,355	7264,015	7760,401	34,084	8,765	510,854	6,825	11,002	4,282	2017-09-15 13:28
203,167	54,889	0,358	0,355	7271,894	7765,788	41,015	8,395	510,854	7,348	11,118	4,305	2017-09-15 13:28
203,333	54,892	0,358	0,355	7273,524	7770,821	53,187	8,311	510,854	7,333	10,985	4,279	2017-09-15 13:29
203,500	54,892	0,358	0,355	7277,315	7781,151	44,375	8,574	510,854	7,112	10,815	4,246	2017-09-15 13:29
203,667	54,890	0,357	0,355	7296,147	7777,213	47,304	8,874	510,854	6,882	10,766	4,236	2017-09-15 13:29
203,833	54,892	0,358	0,355	7292,576	7798,939	45,626	8,797	510,854	7,123	10,850	4,253	2017-09-15 13:29
204,000	54,889	0,358	0,355	7299,540	7817,244	57,158	8,638	510,854	7,050	10,883	4,259	2017-09-15 13:29
204,167	54,888	0,358	0,355	7309,296	7797,279	56,098	8,364	510,854	7,056	10,977	4,277	2017-09-15 13:29
204,334	54,889	0,357	0,354	7306,402	7786,152	78,977	7,915	510,854	6,868	11,027	4,287	2017-09-15 13:30
204,500	54,888	0,357	0,355	7316,550	7785,506	67,022	7,664	510,854	7,364	10,872	4,257	2017-09-15 13:30
204,667	54,882	0,357	0,355	7325,523	7771,751	72,703	7,652	510,854	7,255	10,963	4,275	2017-09-15 13:30
204,834	54,882	0,358	0,355	7333,364	7775,140	61,678	7,880	510,761	7,146	10,823	4,247	2017-09-15 13:30
205,000	54,880	0,358	0,355	7324,028	7776,870	55,330	8,375	510,854	7,145	11,136	4,308	2017-09-15 13:30
205,167	54,881	0,358	0,355	7322,774	7780,476	47,728	8,517	510,854	7,082	11,181	4,317	2017-09-15 13:30
205,334	54,884	0,358	0,355	7333,629	7778,514	44,803	8,348	510,761	7,365	11,032	4,288	2017-09-15 13:31
205,500	54,881	0,358	0,355	7316,670	7797,378	43,156	8,091	510,761	7,364	10,893	4,261	2017-09-15 13:31
205,667	54,877	0,358	0,355	7331,164	7783,097	44,452	8,141	510,761	7,401	10,946	4,271	2017-09-15 13:31
205,834	54,878	0,358	0,354	7316,825	7795,102	43,983	8,075	510,761	7,606	10,911	4,264	2017-09-15 13:31
206,000	54,877	0,357	0,354	7313,579	7780,802	48,385	7,783	510,854	7,371	10,998	4,281	2017-09-15 13:31
206,167	54,874	0,357	0,354	7321,146	7803,791	50,261	7,857	510,761	7,304	11,122	4,305	2017-09-15 13:31
206,334	54,877	0,358	0,354	7324,509	7779,082	46,470	7,819	510,788	7,131	11,256	4,331	2017-09-15 13:32
206,500	54,876	0,358	0,355	7338,987	7775,444	57,592	7,926	510,761	7,158	10,956	4,273	2017-09-15 13:32
206,667	54,874	0,357	0,355	7337,637	7773,890	39,334	8,008	510,761	6,883	10,990	4,280	2017-09-15 13:32
206,833	54,880	0,357	0,355	7335,280	7778,841	38,761	8,232	510,761	7,200	10,942	4,270	2017-09-15 13:32
207,000	54,888	0,358	0,355	7322,946	7785,708	39,959	8,448	510,854	7,038	10,919	4,266	2017-09-15 13:32
207,167	54,892	0,357	0,354	7315,738	7798,509	44,796	8,609	510,761	7,225	10,975	4,277	2017-09-15 13:32
207,333	54,901	0,357	0,355	7313,045	7785,871	55,705	8,803	510,761	6,954	10,964	4,275	2017-09-15 13:33
207,500	54,905	0,357	0,355	7310,665	7785,865	56,953	8,539	510,761	7,270	11,087	4,299	2017-09-15 13:33
207,667	54,906	0,357	0,355	7314,340	7778,998	47,718	8,841	510,761	6,877	11,076	4,296	2017-09-15 13:33
207,833	54,909	0,358	0,355	7315,055	7791,229	47,315	8,935	510,761	7,273	11,253	4,331	2017-09-15 13:33
208,000	54,908	0,358	0,354	7310,396	7806,139	46,675	8,703	510,761	7,153	11,012	4,284	2017-09-15 13:33
208,167	54,912	0,357	0,354	7303,865	7792,616	41,210	8,716	510,761	7,538	10,993	4,280	2017-09-15 13:33
208,333	54,912	0,357	0,355	7315,404	7792,387	51,533	8,786	510,761	7,230	11,111	4,303	2017-09-15 13:34
208,500	54,913	0,357	0,355	7323,505	7804,701	67,209	8,061	510,760	7,202	10,774	4,237	2017-09-15 13:34
208,667	54,913	0,357	0,355	7331,107	7784,578	96,336	7,592	510,761	7,392	10,750	4,233	2017-09-15 13:34
208,833	54,917	0,357	0,354	7326,727	7765,245	166,183	6,903	510,621	7,067	10,775	4,238	2017-09-15 13:34
209,000	54,921	0,357	0,354	7321,289	7754,509	164,300	6,224	510,761	7,357	10,945	4,271	2017-09-15 13:34

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
209,167	0,228	0,455	0,523	0,182	0,275	70,088	20,016	15,823	21,294	21,199	20,971	20,771	21,803	20,463	77,090	58,130	72,966
209,333	0,217	0,481	0,524	0,179	0,276	70,062	20,015	22,485	21,275	21,187	20,973	20,766	21,814	20,460	77,037	58,130	72,965
209,500	0,215	0,501	0,523	0,180	0,276	70,055	20,023	19,176	21,274	21,203	20,981	20,761	21,816	20,464	77,004	58,134	72,952
209,667	0,211	0,511	0,523	0,184	0,275	70,030	20,028	23,617	21,290	21,191	20,978	20,763	21,803	20,461	77,016	58,134	72,929
209,833	0,208	0,524	0,523	0,177	0,276	70,030	20,022	21,266	21,279	21,190	20,981	20,780	21,812	20,465	77,016	58,143	72,915
210,000	0,207	0,537	0,523	0,185	0,275	70,022	20,021	20,310	21,290	21,208	20,986	20,757	21,799	20,463	77,071	58,148	72,886
210,167	0,207	0,550	0,523	0,176	0,279	69,999	20,024	13,445	21,277	21,213	20,986	20,772	21,802	20,464	77,059	58,149	72,867
210,333	0,204	0,570	0,523	0,180	0,277	69,997	20,033	24,102	21,292	21,190	20,989	20,758	21,805	20,467	77,068	58,143	72,862
210,500	0,205	0,591	0,523	0,182	0,276	69,983	20,016	16,960	21,301	21,210	20,983	20,771	21,816	20,465	77,087	58,139	72,846
210,667	0,205	0,598	0,523	0,177	0,272	70,021	20,012	24,612	21,284	21,204	20,988	20,780	21,801	20,465	77,171	58,145	72,851
210,834	0,207	0,578	0,523	0,174	0,271	70,023	20,024	24,458	21,298	21,210	20,974	20,769	21,824	20,471	77,148	58,141	72,867
211,000	0,206	0,548	0,523	0,182	0,269	70,003	20,008	19,585	21,292	21,199	20,986	20,772	21,816	20,465	77,118	58,138	72,870
211,167	0,207	0,534	0,523	0,177	0,274	69,975	20,023	25,162	21,301	21,191	20,990	20,763	21,816	20,467	77,163	58,148	72,885
211,334	0,207	0,528	0,523	0,173	0,269	70,006	20,024	23,971	21,293	21,201	20,972	20,783	21,828	20,469	77,147	58,150	72,902
211,500	0,207	0,536	0,523	0,176	0,269	69,989	20,020	22,630	21,279	21,191	20,985	20,755	21,802	20,463	77,153	58,143	72,911
211,667	0,205	0,545	0,523	0,177	0,271	69,993	20,027	20,297	21,300	21,201	20,980	20,769	21,797	20,469	77,143	58,153	72,917
211,834	0,207	0,547	0,523	0,174	0,272	69,982	20,012	13,917	21,296	21,194	20,989	20,771	21,818	20,471	77,136	58,153	72,925
212,000	0,210	0,532	0,524	0,177	0,275	69,979	20,016	29,547	21,291	21,186	20,992	20,759	21,816	20,468	77,172	58,154	72,928
212,167	0,208	0,533	0,523	0,175	0,274	69,950	20,042	24,407	21,292	21,199	20,983	20,767	21,806	20,467	77,147	58,161	72,938
212,334	0,207	0,547	0,523	0,179	0,275	69,964	20,040	26,487	21,301	21,191	20,989	20,769	21,795	20,468	77,145	58,172	72,935
212,500	0,207	0,550	0,523	0,182	0,277	70,009	19,971	20,285	21,302	21,194	20,980	20,767	21,806	20,468	77,232	58,176	72,933
212,667	0,208	0,533	0,523	0,183	0,278	70,023	20,057	14,807	21,293	21,206	20,980	20,762	21,812	20,468	77,193	58,184	72,943
212,834	0,211	0,509	0,523	0,186	0,268	70,060	20,054	23,348	21,293	21,211	20,994	20,769	21,810	20,473	77,140	58,181	72,939
213,000	0,208	0,503	0,523	0,182	0,270	70,075	20,063	20,907	21,274	21,216	20,985	20,740	21,810	20,467	77,145	58,181	72,946
213,167	0,207	0,516	0,523	0,187	0,280	70,095	20,062	21,385	21,296	21,204	20,996	20,771	21,810	20,469	77,155	58,185	72,955
213,333	0,205	0,537	0,523	0,181	0,278	70,084	20,070	18,601	21,296	21,220	21,007	20,784	21,799	20,471	77,211	58,186	72,950
213,500	0,206	0,541	0,523	0,178	0,272	70,090	20,058	17,942	21,290	21,199	20,979	20,761	21,814	20,465	77,234	58,193	72,939
213,667	0,205	0,542	0,523	0,175	0,273	70,167	20,052	16,687	21,297	21,219	20,985	20,767	21,807	20,468	77,189	58,203	72,935
213,833	0,204	0,549	0,523	0,180	0,274	70,157	20,067	25,505	21,302	21,212	20,990	20,766	21,829	20,467	77,282	58,196	72,935
214,000	0,205	0,560	0,523	0,177	0,277	70,122	20,080	26,421	21,306	21,212	20,994	20,759	21,797	20,467	77,298	58,196	72,946
214,167	0,209	0,558	0,523	0,180	0,276	70,134	20,070	23,875	21,304	21,191	20,973	20,775	21,803	20,465	77,263	58,192	72,960
214,333	0,211	0,549	0,523	0,176	0,271	70,165	20,071	21,544	21,294	21,202	21,002	20,765	21,810	20,465	77,287	58,195	72,978
214,500	0,209	0,542	0,523	0,187	0,275	70,166	20,065	17,181	21,304	21,199	20,988	20,776	21,807	20,465	77,300	58,205	72,996
214,667	0,206	0,554	0,523	0,183	0,273	70,235	20,078	17,590	21,297	21,208	20,983	20,779	21,811	20,468	77,287	58,209	73,008
214,833	0,205	0,565	0,523	0,181	0,273	70,218	20,076	14,373	21,304	21,203	20,989	20,772	21,805	20,469	77,367	58,207	73,023
215,000	0,204	0,585	0,523	0,178	0,272	70,208	20,070	24,886	21,302	21,199	20,975	20,759	21,799	20,467	77,365	58,205	73,037
215,167	0,205	0,580	0,523	0,174	0,271	70,209	20,069	26,509	21,308	21,208	20,990	20,780	21,807	20,468	77,443	58,209	73,048

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
209,167	54,928	0,357	0,354	7320,008	7743,102	184,452	6,371	510,621	7,280	10,993	4,280	2017-09-15 13:34
209,333	54,935	0,357	0,355	7327,166	7733,601	112,103	7,033	510,761	7,148	11,041	4,290	2017-09-15 13:35
209,500	54,939	0,358	0,355	7331,731	7725,556	102,037	7,524	510,621	7,217	11,026	4,287	2017-09-15 13:35
209,667	54,941	0,357	0,355	7311,436	7721,762	73,741	7,772	510,621	7,348	11,000	4,282	2017-09-15 13:35
209,833	54,945	0,357	0,354	7297,978	7702,682	60,365	8,089	510,621	7,071	11,045	4,290	2017-09-15 13:35
210,000	54,947	0,357	0,354	7278,671	7728,188	54,489	8,419	510,620	7,392	11,018	4,285	2017-09-15 13:35
210,167	54,948	0,357	0,354	7265,267	7725,328	49,962	8,758	510,620	7,054	11,155	4,312	2017-09-15 13:35
210,333	54,952	0,357	0,354	7269,929	7724,173	35,359	9,249	510,621	7,219	11,097	4,301	2017-09-15 13:36
210,500	54,953	0,357	0,354	7265,952	7742,139	37,416	9,775	510,621	7,263	11,051	4,292	2017-09-15 13:36
210,667	54,957	0,357	0,355	7270,382	7780,837	39,970	9,942	510,621	7,097	10,869	4,256	2017-09-15 13:36
210,834	54,956	0,357	0,354	7270,501	7776,173	48,989	9,439	510,621	6,961	10,850	4,253	2017-09-15 13:36
211,000	54,963	0,357	0,354	7274,025	7753,479	48,572	8,693	510,621	7,291	10,762	4,235	2017-09-15 13:36
211,167	54,965	0,357	0,354	7278,236	7771,048	49,229	8,345	510,621	7,098	10,959	4,274	2017-09-15 13:36
211,334	54,972	0,357	0,355	7285,230	7768,681	49,434	8,209	510,621	6,921	10,752	4,233	2017-09-15 13:37
211,500	54,976	0,357	0,354	7277,228	7766,947	50,987	8,396	510,621	7,039	10,744	4,232	2017-09-15 13:37
211,667	54,981	0,357	0,355	7295,228	7760,558	40,842	8,616	510,621	7,071	10,851	4,253	2017-09-15 13:37
211,834	54,985	0,357	0,354	7285,916	7757,236	52,801	8,682	510,621	6,956	10,868	4,256	2017-09-15 13:37
212,000	54,987	0,357	0,355	7293,531	7772,150	69,999	8,289	510,775	7,075	11,005	4,283	2017-09-15 13:37
212,167	54,987	0,357	0,354	7292,180	7756,210	58,676	8,321	510,527	7,003	10,967	4,275	2017-09-15 13:37
212,334	54,985	0,357	0,355	7292,366	7753,348	54,243	8,667	510,527	7,174	10,999	4,282	2017-09-15 13:38
212,500	54,989	0,357	0,355	7290,734	7792,940	50,869	8,741	510,527	7,278	11,083	4,298	2017-09-15 13:38
212,667	54,991	0,357	0,354	7282,331	7773,608	59,896	8,331	510,527	7,331	11,134	4,308	2017-09-15 13:38
212,834	54,991	0,357	0,354	7287,914	7740,578	79,172	7,727	510,528	7,420	10,712	4,225	2017-09-15 13:38
213,000	54,997	0,357	0,354	7281,987	7742,008	56,331	7,569	510,527	7,260	10,817	4,246	2017-09-15 13:38
213,167	54,997	0,357	0,354	7290,453	7748,994	49,205	7,898	510,528	7,474	11,196	4,320	2017-09-15 13:38
213,333	54,999	0,357	0,354	7289,589	7774,862	39,594	8,426	510,528	7,228	11,136	4,308	2017-09-15 13:39
213,500	55,000	0,358	0,354	7283,344	7792,217	47,374	8,525	510,527	7,127	10,870	4,256	2017-09-15 13:39
213,667	55,000	0,357	0,354	7279,839	7764,961	42,398	8,553	510,528	7,003	10,915	4,265	2017-09-15 13:39
213,833	54,997	0,357	0,354	7280,204	7796,981	30,752	8,723	510,527	7,181	10,976	4,277	2017-09-15 13:39
214,000	54,997	0,357	0,354	7291,080	7807,642	39,122	9,007	510,527	7,076	11,067	4,295	2017-09-15 13:39
214,167	54,995	0,357	0,354	7289,858	7786,324	63,033	8,959	510,527	7,189	11,037	4,289	2017-09-15 13:39
214,333	54,999	0,357	0,354	7293,315	7793,019	73,957	8,722	510,527	7,053	10,850	4,253	2017-09-15 13:40
214,500	55,000	0,357	0,354	7298,010	7809,702	61,758	8,543	510,527	7,483	11,016	4,285	2017-09-15 13:40
214,667	54,999	0,357	0,355	7318,412	7795,003	48,142	8,851	510,527	7,339	10,914	4,265	2017-09-15 13:40
214,833	55,006	0,357	0,355	7329,529	7838,134	41,794	9,130	510,528	7,239	10,900	4,262	2017-09-15 13:40
215,000	55,007	0,357	0,355	7330,544	7833,504	32,236	9,621	510,527	7,112	10,876	4,258	2017-09-15 13:40
215,167	55,011	0,357	0,354	7323,423	7867,152	38,330	9,502	510,527	6,975	10,856	4,254	2017-09-15 13:40

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
215,333	0,206	0,551	0,522	0,183	0,269	70,258	20,078	24,525	21,317	21,206	21,004	20,782	21,820	20,472	77,442	58,213	73,052
215,500	0,207	0,546	0,522	0,172	0,277	70,282	20,063	21,268	21,306	21,218	20,987	20,776	21,819	20,471	77,435	58,216	73,075
215,667	0,205	0,555	0,522	0,178	0,273	70,293	20,058	25,567	21,306	21,210	21,001	20,763	21,806	20,467	77,443	58,223	73,093
215,833	0,202	0,572	0,522	0,169	0,275	70,293	20,069	26,237	21,297	21,201	21,006	20,770	21,802	20,468	77,535	58,231	73,113
216,000	0,203	0,585	0,522	0,174	0,278	70,293	20,059	27,297	21,291	21,206	20,996	20,779	21,805	20,467	77,603	58,235	73,145
216,167	0,202	0,579	0,522	0,179	0,273	70,306	20,070	26,889	21,308	21,225	21,007	20,788	21,798	20,473	77,620	58,232	73,168
216,333	0,204	0,566	0,522	0,177	0,271	70,322	20,070	23,263	21,296	21,193	20,989	20,782	21,808	20,468	77,636	58,235	73,181
216,500	0,206	0,553	0,522	0,176	0,273	70,320	20,070	23,586	21,304	21,201	20,988	20,771	21,807	20,468	77,632	58,239	73,199
216,667	0,207	0,556	0,522	0,182	0,274	70,399	20,061	26,770	21,306	21,203	20,996	20,774	21,805	20,468	77,685	58,244	73,237
216,833	0,206	0,564	0,522	0,179	0,274	70,407	20,033	22,685	21,300	21,190	20,994	20,769	21,798	20,468	77,640	58,244	73,267
217,000	0,207	0,570	0,522	0,183	0,274	70,427	20,011	21,771	21,289	21,198	21,001	20,787	21,811	20,471	77,693	58,255	73,301
217,167	0,206	0,578	0,522	0,183	0,272	70,455	19,999	27,604	21,306	21,204	21,018	20,775	21,807	20,467	77,712	58,264	73,325
217,333	0,209	0,578	0,522	0,175	0,270	70,531	20,019	22,576	21,300	21,206	21,003	20,782	21,797	20,467	77,762	58,267	73,347
217,500	0,207	0,568	0,522	0,178	0,274	70,531	20,036	21,622	21,304	21,206	21,005	20,788	21,807	20,467	77,830	58,281	73,355
217,667	0,206	0,573	0,522	0,178	0,269	70,485	20,032	18,942	21,308	21,206	21,001	20,782	21,825	20,468	77,772	58,289	73,366
217,834	0,204	0,569	0,522	0,172	0,275	70,513	20,046	18,403	21,293	21,215	20,997	20,776	21,824	20,469	77,836	58,287	73,387
218,000	0,205	0,557	0,522	0,183	0,277	70,529	20,048	18,921	21,306	21,202	21,011	20,770	21,824	20,467	77,884	58,289	73,413
218,167	0,204	0,545	0,522	0,185	0,273	70,497	20,039	21,540	21,310	21,195	20,985	20,767	21,833	20,467	77,830	58,293	73,436
218,334	0,204	0,542	0,522	0,179	0,271	70,541	20,049	18,345	21,310	21,210	21,000	20,774	21,835	20,471	77,901	58,291	73,448
218,500	0,205	0,546	0,522	0,175	0,275	70,533	20,031	16,304	21,314	21,207	21,017	20,779	21,842	20,473	77,876	58,291	73,471
218,667	0,204	0,545	0,522	0,184	0,276	70,548	20,063	15,558	21,300	21,206	21,005	20,772	21,823	20,468	77,942	58,287	73,491
218,834	0,205	0,550	0,522	0,175	0,279	70,590	20,054	12,004	21,301	21,208	20,996	20,776	21,827	20,472	77,994	58,289	73,510
219,000	0,204	0,565	0,522	0,180	0,274	70,577	20,061	23,362	21,322	21,197	21,004	20,787	21,835	20,471	77,950	58,293	73,526
219,167	0,204	0,591	0,522	0,182	0,274	70,552	20,083	29,468	21,306	21,181	21,000	20,778	21,818	20,471	78,021	58,290	73,544
219,334	0,205	0,588	0,522	0,185	0,275	70,521	20,122	21,373	21,298	21,206	20,990	20,772	21,824	20,471	78,026	58,294	73,557
219,500	0,206	0,572	0,522	0,176	0,277	70,463	20,138	19,683	21,296	21,201	21,006	20,786	21,836	20,469	78,076	58,293	73,578
219,667	0,206	0,549	0,522	0,179	0,270	70,543	20,148	26,422	21,306	21,223	21,007	20,776	21,824	20,469	78,017	58,295	73,594
219,834	0,207	0,540	0,522	0,182	0,272	70,523	20,124	23,559	21,300	21,208	20,994	20,771	21,832	20,471	78,065	58,295	73,629
220,000	0,205	0,544	0,521	0,180	0,276	70,575	20,108	16,534	21,310	21,216	20,992	20,795	21,827	20,471	78,102	58,293	73,649
220,167	0,206	0,544	0,522	0,187	0,279	70,585	20,131	20,100	21,301	21,199	21,001	20,776	21,836	20,468	78,076	58,294	73,668
220,333	0,205	0,549	0,522	0,176	0,274	70,620	20,109	21,892	21,315	21,218	21,014	20,763	21,815	20,472	78,160	58,299	73,677
220,500	0,205	0,562	0,521	0,180	0,270	70,603	20,135	14,282	21,319	21,224	21,019	20,784	21,823	20,471	78,122	58,299	73,691
220,667	0,205	0,568	0,522	0,181	0,271	70,594	20,134	13,673	21,298	21,219	20,996	20,779	21,815	20,471	78,116	58,301	73,699
220,833	0,204	0,556	0,521	0,187	0,273	70,560	20,138	13,105	21,305	21,206	21,018	20,757	21,828	20,471	78,161	58,299	73,710
221,000	0,204	0,559	0,521	0,181	0,271	70,581	20,165	18,772	21,310	21,214	21,023	20,765	21,833	20,471	78,178	58,302	73,718
221,167	0,207	0,558	0,521	0,182	0,271	70,589	20,178	24,096	21,300	21,227	21,010	20,772	21,820	20,471	78,161	58,302	73,729
221,333	0,206	0,552	0,521	0,172	0,271	70,614	20,228	20,936	21,312	21,216	21,006	20,786	21,824	20,473	78,173	58,301	73,737

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
215,333	55,010	0,357	0,354	7326,358	7856,233	44,184	8,775	510,433	7,324	10,752	4,233	2017-09-15 13:41
215,500	55,012	0,356	0,354	7337,782	7840,726	51,772	8,641	510,433	6,873	11,096	4,300	2017-09-15 13:41
215,667	55,011	0,357	0,354	7340,231	7849,406	38,622	8,865	510,433	7,120	10,902	4,263	2017-09-15 13:41
215,833	55,012	0,358	0,354	7349,968	7900,732	22,167	9,300	510,433	6,749	10,993	4,280	2017-09-15 13:41
216,000	55,012	0,357	0,354	7359,777	7923,180	26,708	9,626	510,433	6,944	11,127	4,306	2017-09-15 13:41
216,167	55,008	0,357	0,354	7364,178	7924,635	20,273	9,484	510,433	7,173	10,913	4,265	2017-09-15 13:41
216,333	55,007	0,357	0,354	7376,975	7925,472	30,321	9,155	510,433	7,071	10,820	4,247	2017-09-15 13:42
216,500	55,008	0,357	0,354	7383,373	7924,093	48,183	8,821	510,433	7,052	10,900	4,262	2017-09-15 13:42
216,667	55,010	0,357	0,354	7397,610	7949,684	49,889	8,892	510,433	7,289	10,952	4,272	2017-09-15 13:42
216,833	55,008	0,357	0,354	7404,204	7923,829	44,573	9,093	510,433	7,156	10,971	4,276	2017-09-15 13:42
217,000	55,011	0,357	0,354	7423,427	7940,914	54,691	9,259	510,433	7,314	10,949	4,272	2017-09-15 13:42
217,167	55,003	0,357	0,354	7441,322	7949,672	43,934	9,460	510,433	7,320	10,884	4,259	2017-09-15 13:42
217,333	54,993	0,357	0,354	7451,864	7976,446	66,177	9,443	510,433	6,994	10,802	4,243	2017-09-15 13:43
217,500	54,987	0,357	0,354	7457,335	7991,215	52,787	9,206	510,433	7,127	10,957	4,273	2017-09-15 13:43
217,667	54,977	0,357	0,354	7463,471	7962,370	42,909	9,319	510,340	7,122	10,749	4,233	2017-09-15 13:43
217,834	54,975	0,357	0,354	7479,429	7985,536	35,776	9,222	510,340	6,865	10,989	4,280	2017-09-15 13:43
218,000	54,971	0,357	0,354	7480,080	8004,046	38,288	8,933	510,340	7,300	11,070	4,295	2017-09-15 13:43
218,167	54,967	0,357	0,354	7491,046	7977,556	33,243	8,627	510,340	7,395	10,908	4,264	2017-09-15 13:43
218,334	54,968	0,357	0,354	7501,538	8017,279	33,889	8,538	510,340	7,148	10,821	4,247	2017-09-15 13:44
218,500	54,967	0,357	0,354	7511,996	8007,914	38,069	8,655	510,340	7,002	11,014	4,284	2017-09-15 13:44
218,667	54,963	0,357	0,354	7525,312	8033,297	31,370	8,636	510,340	7,375	11,037	4,289	2017-09-15 13:44
218,834	54,963	0,357	0,354	7534,938	8058,475	38,528	8,756	510,340	6,988	11,169	4,315	2017-09-15 13:44
219,000	54,960	0,357	0,354	7535,904	8036,349	35,981	9,119	510,340	7,195	10,979	4,278	2017-09-15 13:44
219,167	54,952	0,357	0,354	7544,398	8060,031	30,953	9,784	510,340	7,275	10,964	4,275	2017-09-15 13:44
219,334	54,947	0,357	0,354	7554,010	8066,733	40,168	9,697	510,340	7,410	10,983	4,278	2017-09-15 13:45
219,500	54,945	0,357	0,354	7566,841	8076,551	43,764	9,303	510,425	7,028	11,098	4,301	2017-09-15 13:45
219,667	54,937	0,357	0,354	7569,375	8057,560	47,506	8,719	510,340	7,176	10,812	4,245	2017-09-15 13:45
219,834	54,933	0,357	0,355	7596,703	8082,187	51,925	8,490	510,339	7,276	10,886	4,259	2017-09-15 13:45
220,000	54,927	0,357	0,354	7600,319	8104,615	41,662	8,607	510,245	7,219	11,053	4,292	2017-09-15 13:45
220,167	54,925	0,358	0,354	7614,573	8099,724	46,689	8,607	510,340	7,482	11,152	4,311	2017-09-15 13:45
220,333	54,922	0,357	0,355	7622,227	8119,184	39,768	8,723	510,340	7,056	10,943	4,271	2017-09-15 13:46
220,500	54,925	0,357	0,354	7620,599	8105,938	36,554	9,048	510,245	7,187	10,803	4,243	2017-09-15 13:46
220,667	54,922	0,357	0,354	7625,589	8099,566	40,373	9,198	510,340	7,250	10,827	4,248	2017-09-15 13:46
220,833	54,921	0,357	0,355	7635,381	8116,351	33,889	8,909	510,245	7,482	10,924	4,267	2017-09-15 13:46
221,000	54,922	0,357	0,354	7631,913	8128,621	32,020	8,969	510,246	7,257	10,846	4,252	2017-09-15 13:46
221,167	54,918	0,357	0,354	7637,955	8121,436	51,328	8,956	510,245	7,264	10,835	4,249	2017-09-15 13:46
221,333	54,912	0,358	0,355	7655,662	8137,590	45,664	8,812	510,245	6,884	10,845	4,251	2017-09-15 13:47

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
221,500	0,205	0,562	0,521	0,186	0,276	70,641	20,205	16,817	21,317	21,227	21,000	20,775	21,823	20,473	78,213	58,303	73,754
221,667	0,205	0,563	0,521	0,184	0,269	70,694	20,191	17,008	21,304	21,223	21,018	20,773	21,820	20,475	78,293	58,303	73,765
221,833	0,204	0,562	0,521	0,187	0,274	70,673	20,181	11,225	21,312	21,223	21,007	20,765	21,823	20,473	78,269	58,303	73,772
222,000	0,204	0,569	0,521	0,178	0,270	70,686	20,201	20,010	21,318	21,235	21,014	20,782	21,824	20,475	78,367	58,307	73,781
222,167	0,203	0,588	0,521	0,181	0,269	70,694	20,124	24,692	21,312	21,228	21,014	20,780	21,842	20,473	78,325	58,305	73,802
222,333	0,202	0,600	0,521	0,182	0,274	70,700	20,143	19,189	21,306	21,224	21,006	20,766	21,810	20,473	78,425	58,302	73,822
222,500	0,203	0,602	0,521	0,183	0,276	70,719	20,154	18,332	21,310	21,228	21,022	20,782	21,835	20,476	78,443	58,302	73,835
222,667	0,202	0,598	0,521	0,179	0,274	70,697	20,229	24,557	21,319	21,231	21,009	20,774	21,811	20,475	78,514	58,303	73,861
222,833	0,202	0,592	0,521	0,174	0,273	70,694	20,241	21,134	21,325	21,252	21,025	20,775	21,824	20,476	78,563	58,301	73,880
223,000	0,202	0,602	0,521	0,183	0,270	70,687	20,224	16,927	21,312	21,220	21,022	20,784	21,812	20,473	78,590	58,303	73,907
223,167	0,202	0,607	0,521	0,178	0,280	70,704	20,212	23,793	21,310	21,232	21,021	20,773	21,812	20,475	78,614	58,305	73,938
223,333	0,203	0,600	0,521	0,181	0,276	70,772	20,231	19,061	21,318	21,232	21,010	20,780	21,823	20,475	78,691	58,306	73,966
223,500	0,204	0,582	0,521	0,186	0,274	70,846	20,194	12,769	21,325	21,223	21,022	20,782	21,835	20,479	78,790	58,310	73,999
223,667	0,203	0,571	0,521	0,174	0,276	70,831	20,206	16,080	21,301	21,254	20,994	20,780	21,831	20,476	78,726	58,310	74,031
223,833	0,204	0,552	0,521	0,179	0,273	70,769	20,219	16,482	21,298	21,235	21,030	20,774	21,829	20,475	78,733	58,314	74,083
224,000	0,205	0,530	0,521	0,182	0,276	70,776	20,278	19,261	21,309	21,228	21,017	20,769	21,827	20,473	78,651	58,317	74,137
224,167	0,206	0,528	0,521	0,173	0,273	70,762	20,259	19,474	21,302	21,232	21,024	20,778	21,828	20,475	78,679	58,328	74,177
224,334	0,205	0,546	0,521	0,174	0,275	70,754	20,253	19,818	21,295	21,236	21,017	20,763	21,827	20,475	78,668	58,332	74,201
224,500	0,205	0,568	0,521	0,175	0,275	70,796	20,296	18,453	21,310	21,246	21,015	20,778	21,824	20,477	78,757	58,338	74,216
224,667	0,204	0,583	0,521	0,182	0,266	70,866	20,283	15,206	21,317	21,250	20,996	20,775	21,828	20,477	78,803	58,344	74,212
224,834	0,203	0,585	0,521	0,181	0,271	70,850	20,304	16,018	21,295	21,236	21,022	20,774	21,831	20,473	78,764	58,349	74,210
225,000	0,204	0,571	0,521	0,181	0,269	70,801	20,279	19,344	21,297	21,244	21,023	20,786	21,823	20,477	78,850	58,349	74,216
225,167	0,206	0,552	0,521	0,183	0,269	70,810	20,293	14,134	21,306	21,248	21,005	20,778	21,832	20,477	78,780	58,356	74,222
225,334	0,213	0,524	0,521	0,176	0,272	70,814	20,331	19,463	21,316	21,235	21,017	20,779	21,833	20,477	78,830	58,354	74,234
225,500	0,216	0,506	0,521	0,182	0,275	70,821	20,338	19,294	21,314	21,242	21,023	20,778	21,829	20,476	78,753	58,353	74,250
225,667	0,214	0,508	0,520	0,188	0,271	70,817	20,330	15,402	21,306	21,262	21,008	20,769	21,823	20,477	78,703	58,360	74,261
225,834	0,213	0,518	0,520	0,176	0,272	70,869	20,322	21,459	21,310	21,240	21,018	20,788	21,818	20,479	78,653	58,358	74,270
226,000	0,214	0,527	0,520	0,171	0,268	70,839	20,303	17,786	21,312	21,260	21,023	20,778	21,832	20,484	78,637	58,360	74,276
226,167	0,211	0,531	0,521	0,177	0,270	70,884	20,300	16,671	21,316	21,261	21,017	20,786	21,835	20,480	78,668	58,362	74,269
226,334	0,209	0,544	0,520	0,180	0,268	70,896	20,304	19,828	21,325	21,248	21,026	20,795	21,822	20,479	78,632	58,371	74,251
226,500	0,208	0,560	0,520	0,176	0,280	70,912	20,296	18,533	21,314	21,245	21,021	20,777	21,833	20,479	78,625	58,372	74,230
226,667	0,210	0,586	0,520	0,180	0,278	70,945	20,287	14,699	21,314	21,267	21,021	20,774	21,833	20,480	78,642	58,377	74,212
226,833	0,208	0,586	0,520	0,178	0,273	70,955	20,295	17,689	21,323	21,254	21,038	20,783	21,835	20,483	78,620	58,377	74,196
227,000	0,205	0,571	0,520	0,181	0,272	70,984	20,305	14,306	21,309	21,250	21,021	20,794	21,827	20,480	78,672	58,380	74,187
227,167	0,204	0,556	0,520	0,178	0,272	71,003	20,313	19,084	21,326	21,254	21,025	20,784	21,833	20,481	78,688	58,380	74,178
227,333	0,204	0,552	0,520	0,171	0,275	71,067	20,327	18,265	21,321	21,252	21,022	20,775	21,828	20,481	78,705	58,383	74,176
227,500	0,204	0,558	0,520	0,180	0,273	71,045	20,341	18,640	21,321	21,269	21,027	20,786	21,839	20,483	78,734	58,384	74,170

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
221,500	54,908	0,358	0,355	7663,686	8155,061	38,319	9,038	510,245	7,426	11,026	4,287	2017-09-15 13:47
221,667	54,905	0,358	0,354	7659,628	8180,668	39,330	9,081	510,245	7,358	10,779	4,239	2017-09-15 13:47
221,833	54,901	0,357	0,355	7668,886	8157,447	34,136	9,040	510,245	7,482	10,950	4,272	2017-09-15 13:47
222,000	54,898	0,357	0,354	7670,325	8203,764	30,589	9,219	510,152	7,122	10,787	4,240	2017-09-15 13:47
222,167	54,900	0,357	0,354	7677,413	8182,908	27,813	9,707	510,152	7,225	10,744	4,232	2017-09-15 13:47
222,333	54,897	0,357	0,354	7683,238	8219,794	23,202	9,988	510,245	7,281	10,945	4,271	2017-09-15 13:48
222,500	54,896	0,357	0,354	7686,540	8222,709	23,848	10,062	510,152	7,320	11,035	4,289	2017-09-15 13:48
222,667	54,894	0,357	0,354	7695,551	8255,070	20,075	9,939	510,152	7,157	10,966	4,275	2017-09-15 13:48
222,833	54,894	0,357	0,354	7706,581	8283,795	20,301	9,809	510,152	6,960	10,937	4,269	2017-09-15 13:48
223,000	54,896	0,357	0,354	7715,028	8288,833	21,948	10,047	510,152	7,325	10,805	4,244	2017-09-15 13:48
223,167	54,893	0,357	0,354	7734,866	8291,664	21,729	10,171	510,152	7,105	11,215	4,323	2017-09-15 13:48
223,333	54,890	0,357	0,354	7743,347	8332,617	28,011	9,992	510,152	7,251	11,033	4,288	2017-09-15 13:49
223,500	54,889	0,357	0,354	7760,626	8366,338	32,861	9,556	510,152	7,427	10,966	4,275	2017-09-15 13:49
223,667	54,884	0,358	0,355	7782,144	8358,279	29,925	9,266	510,152	6,949	11,053	4,292	2017-09-15 13:49
223,833	54,882	0,358	0,355	7807,758	8357,947	33,062	8,802	510,152	7,164	10,908	4,264	2017-09-15 13:49
224,000	54,880	0,357	0,355	7826,063	8312,441	38,309	8,247	510,152	7,272	11,040	4,289	2017-09-15 13:49
224,167	54,881	0,357	0,354	7838,433	8320,221	45,015	8,210	510,152	6,904	10,940	4,270	2017-09-15 13:49
224,334	54,882	0,357	0,354	7845,774	8310,247	40,606	8,639	510,152	6,955	10,988	4,279	2017-09-15 13:50
224,500	54,882	0,357	0,355	7863,606	8352,149	37,544	9,201	510,153	6,986	11,014	4,284	2017-09-15 13:50
224,667	54,884	0,357	0,354	7852,392	8365,222	31,384	9,578	510,152	7,300	10,624	4,208	2017-09-15 13:50
224,834	54,885	0,357	0,354	7840,176	8344,712	27,621	9,622	510,152	7,256	10,854	4,253	2017-09-15 13:50
225,000	54,885	0,357	0,354	7843,705	8375,116	30,957	9,284	510,152	7,249	10,769	4,237	2017-09-15 13:50
225,167	54,888	0,357	0,354	7848,226	8342,804	45,004	8,797	510,153	7,328	10,776	4,238	2017-09-15 13:50
225,334	54,894	0,357	0,354	7849,022	8365,229	89,463	8,111	510,152	7,058	10,880	4,258	2017-09-15 13:51
225,500	54,897	0,357	0,354	7860,893	8335,144	105,915	7,652	510,152	7,281	10,999	4,281	2017-09-15 13:51
225,667	54,898	0,357	0,355	7868,165	8321,158	95,123	7,701	510,059	7,513	10,831	4,249	2017-09-15 13:51
225,834	54,902	0,357	0,354	7857,745	8282,657	88,084	7,952	510,058	7,053	10,876	4,257	2017-09-15 13:51
226,000	54,902	0,357	0,354	7860,733	8283,455	94,505	8,176	510,058	6,832	10,719	4,227	2017-09-15 13:51
226,167	54,904	0,357	0,354	7859,454	8294,216	75,374	8,272	510,152	7,088	10,800	4,243	2017-09-15 13:51
226,334	54,908	0,357	0,354	7858,472	8278,252	64,927	8,602	510,059	7,203	10,726	4,228	2017-09-15 13:52
226,500	54,909	0,357	0,354	7844,136	8274,108	59,076	9,004	510,058	7,027	11,195	4,320	2017-09-15 13:52
226,667	54,910	0,357	0,354	7840,633	8281,934	68,283	9,662	510,059	7,204	11,102	4,302	2017-09-15 13:52
226,833	54,912	0,357	0,354	7831,492	8271,949	58,436	9,641	510,059	7,114	10,932	4,269	2017-09-15 13:52
227,000	54,912	0,357	0,354	7819,890	8284,376	39,455	9,265	510,059	7,232	10,885	4,259	2017-09-15 13:52
227,167	54,916	0,357	0,354	7819,130	8296,724	33,695	8,899	510,059	7,135	10,891	4,260	2017-09-15 13:52
227,333	54,922	0,357	0,354	7813,288	8308,807	34,709	8,791	510,059	6,843	11,015	4,285	2017-09-15 13:53
227,500	54,927	0,357	0,354	7817,026	8315,283	35,779	8,948	510,058	7,203	10,935	4,269	2017-09-15 13:53

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
227,667	0,205	0,565	0,520	0,182	0,273	71,031	20,303	15,284	21,323	21,256	21,025	20,773	21,836	20,481	78,710	58,380	74,178
227,833	0,204	0,568	0,520	0,179	0,270	71,042	20,313	18,001	21,320	21,249	21,029	20,787	21,835	20,483	78,715	58,376	74,193
228,000	0,204	0,586	0,520	0,178	0,273	71,053	20,269	17,331	21,326	21,253	21,017	20,792	21,836	20,484	78,748	58,376	74,212
228,167	0,203	0,595	0,520	0,182	0,270	71,052	20,244	20,321	21,323	21,250	21,038	20,790	21,819	20,483	78,827	58,380	74,233
228,333	0,204	0,604	0,520	0,178	0,269	71,024	20,256	16,334	21,326	21,281	21,030	20,788	21,824	20,487	78,837	58,380	74,238
228,500	0,205	0,605	0,520	0,185	0,270	71,023	20,321	16,136	21,322	21,253	21,031	20,787	21,834	20,483	78,858	58,391	74,234
228,667	0,206	0,575	0,520	0,175	0,272	71,005	20,328	19,844	21,318	21,252	21,049	20,786	21,824	20,484	78,802	58,393	74,256
228,833	0,206	0,549	0,520	0,176	0,276	70,998	20,292	19,566	21,326	21,254	21,039	20,790	21,841	20,485	78,868	58,393	74,276
229,000	0,206	0,547	0,520	0,173	0,274	71,014	20,223	16,106	21,329	21,265	21,029	20,796	21,840	20,485	78,833	58,404	74,293
229,167	0,207	0,548	0,520	0,177	0,275	71,024	20,175	16,965	21,334	21,261	21,033	20,788	21,856	20,488	78,860	58,407	74,308
229,333	0,206	0,539	0,520	0,176	0,268	71,060	20,264	15,375	21,303	21,273	21,030	20,809	21,826	20,487	78,837	58,412	74,316
229,500	0,204	0,539	0,520	0,177	0,270	71,120	20,173	21,244	21,331	21,273	21,039	20,781	21,844	20,488	78,834	58,408	74,335
229,667	0,203	0,551	0,520	0,177	0,273	71,109	20,218	19,197	21,335	21,266	21,046	20,796	21,823	20,488	78,833	58,420	74,349
229,833	0,203	0,572	0,520	0,179	0,271	71,129	20,260	12,881	21,333	21,264	21,025	20,785	21,835	20,489	78,834	58,426	74,342
230,000	0,203	0,581	0,520	0,192	0,270	71,115	20,268	19,063	21,338	21,262	21,031	20,790	21,842	20,491	78,918	58,434	74,338
230,167	0,203	0,557	0,520	0,179	0,266	71,114	20,337	17,786	21,337	21,274	21,044	20,791	21,843	20,492	78,916	58,438	74,338
230,333	0,205	0,530	0,520	0,180	0,270	71,157	20,345	13,591	21,318	21,269	21,031	20,792	21,839	20,491	78,856	58,444	74,335
230,500	0,208	0,511	0,520	0,174	0,271	71,151	20,313	18,739	21,331	21,270	21,035	20,791	21,851	20,492	78,791	58,446	74,337
230,667	0,210	0,503	0,520	0,178	0,272	71,165	20,333	16,271	21,348	21,261	21,047	20,791	21,839	20,492	78,835	58,451	74,350
230,833	0,208	0,508	0,520	0,183	0,276	71,146	20,315	20,295	21,337	21,275	21,050	20,798	21,838	20,493	78,790	58,452	74,364
231,000	0,210	0,511	0,520	0,188	0,273	71,138	20,312	17,896	21,352	21,281	21,028	20,791	21,836	20,496	78,744	58,452	74,362
231,167	0,209	0,501	0,520	0,187	0,271	71,191	20,265	16,376	21,332	21,285	21,035	20,808	21,835	20,497	78,737	58,454	74,343
231,334	0,210	0,499	0,520	0,183	0,275	71,115	20,296	12,864	21,342	21,285	21,041	20,796	21,839	20,496	78,731	58,459	74,335
231,500	0,208	0,508	0,520	0,175	0,273	71,137	20,326	16,938	21,342	21,266	21,034	20,800	21,846	20,496	78,705	58,466	74,327
231,667	0,208	0,520	0,520	0,181	0,275	71,184	20,319	16,617	21,337	21,289	21,076	20,810	21,854	20,505	78,676	58,471	74,307
231,834	0,208	0,520	0,520	0,182	0,269	71,213	20,316	18,220	21,347	21,282	21,037	20,791	21,840	20,497	78,721	58,470	74,291
232,000	0,209	0,514	0,520	0,184	0,274	71,214	20,330	16,617	21,334	21,279	21,045	20,808	21,844	20,501	78,680	58,474	74,276
232,167	0,206	0,523	0,520	0,174	0,271	71,182	20,311	13,368	21,353	21,286	21,034	20,797	21,837	20,503	78,706	58,477	74,265
232,334	0,207	0,548	0,520	0,185	0,271	71,227	20,316	17,094	21,347	21,287	21,059	20,797	21,850	20,503	78,691	58,485	74,251
232,500	0,206	0,563	0,520	0,177	0,273	71,225	20,329	19,675	21,347	21,289	21,064	20,793	21,851	20,501	78,733	58,482	74,242
232,667	0,204	0,561	0,520	0,185	0,273	71,257	20,325	14,220	21,338	21,283	21,046	20,804	21,850	20,501	78,727	58,479	74,241
232,834	0,206	0,552	0,519	0,177	0,278	71,224	20,325	18,632	21,343	21,281	21,067	20,806	21,853	20,503	78,736	58,478	74,230
233,000	0,207	0,532	0,519	0,181	0,268	71,205	20,196	16,824	21,338	21,287	21,039	20,814	21,844	20,501	78,779	58,475	74,227
233,167	0,208	0,529	0,520	0,175	0,264	71,190	20,295	17,393	21,334	21,283	21,039	20,802	21,848	20,500	78,671	58,477	74,237
233,334	0,206	0,538	0,520	0,183	0,275	71,195	20,295	16,929	21,321	21,294	21,042	20,802	21,839	20,497	78,741	58,473	74,250
233,500	0,206	0,544	0,520	0,166	0,273	71,138	20,283	14,609	21,334	21,273	21,039	20,810	21,843	20,497	78,721	58,477	74,254
233,667	0,206	0,533	0,519	0,176	0,273	71,105	20,264	19,145	21,336	21,289	21,051	20,798	21,844	20,500	78,773	58,483	74,260

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
227,667	54,931	0,357	0,354	7818,057	8306,394	42,058	9,125	510,058	7,275	10,938	4,270	2017-09-15 13:53
227,833	54,932	0,357	0,354	7811,626	8305,126	34,296	9,201	510,058	7,161	10,820	4,246	2017-09-15 13:53
228,000	54,933	0,357	0,354	7815,959	8324,124	30,957	9,651	510,059	7,134	10,935	4,269	2017-09-15 13:53
228,167	54,937	0,357	0,354	7830,306	8354,429	27,743	9,863	510,058	7,285	10,798	4,242	2017-09-15 13:53
228,333	54,940	0,357	0,354	7834,821	8354,568	33,893	10,089	509,966	7,134	10,768	4,236	2017-09-15 13:54
228,500	54,943	0,357	0,354	7832,861	8361,262	37,475	10,134	510,059	7,400	10,807	4,244	2017-09-15 13:54
228,667	54,948	0,357	0,354	7844,268	8350,521	44,594	9,380	509,965	7,009	10,877	4,258	2017-09-15 13:54
228,833	54,952	0,357	0,354	7849,464	8374,723	44,587	8,722	509,966	7,036	11,057	4,293	2017-09-15 13:54
229,000	54,953	0,357	0,355	7861,032	8346,666	45,414	8,680	509,966	6,921	10,957	4,273	2017-09-15 13:54
229,167	54,955	0,357	0,354	7862,953	8362,969	52,349	8,696	510,058	7,083	11,011	4,284	2017-09-15 13:54
229,333	54,961	0,357	0,355	7870,515	8347,041	45,282	8,470	510,058	7,052	10,732	4,229	2017-09-15 13:55
229,500	54,967	0,357	0,354	7865,580	8348,440	35,370	8,479	509,966	7,075	10,801	4,243	2017-09-15 13:55
229,667	54,971	0,357	0,354	7864,431	8340,611	28,869	8,774	509,966	7,096	10,928	4,268	2017-09-15 13:55
229,833	54,973	0,357	0,354	7868,389	8341,230	26,364	9,289	509,966	7,169	10,851	4,253	2017-09-15 13:55
230,000	54,977	0,357	0,354	7860,098	8369,860	27,184	9,526	509,966	7,697	10,816	4,246	2017-09-15 13:55
230,167	54,977	0,357	0,355	7867,105	8369,105	29,831	8,918	509,966	7,165	10,649	4,213	2017-09-15 13:55
230,333	54,983	0,357	0,355	7863,203	8348,075	38,080	8,244	510,059	7,209	10,798	4,242	2017-09-15 13:56
230,500	54,984	0,357	0,354	7862,417	8320,149	56,143	7,771	509,966	6,956	10,842	4,251	2017-09-15 13:56
230,667	54,987	0,357	0,355	7873,211	8331,258	70,795	7,575	509,966	7,122	10,863	4,255	2017-09-15 13:56
230,833	54,993	0,357	0,354	7865,363	8308,212	58,423	7,711	509,966	7,335	11,025	4,287	2017-09-15 13:56
231,000	54,996	0,357	0,354	7858,108	8286,584	67,859	7,786	509,966	7,514	10,926	4,267	2017-09-15 13:56
231,167	54,996	0,357	0,354	7852,634	8283,689	61,570	7,516	510,058	7,492	10,843	4,251	2017-09-15 13:56
231,334	55,000	0,357	0,354	7855,280	8293,140	67,435	7,483	509,966	7,332	11,001	4,282	2017-09-15 13:57
231,500	55,004	0,357	0,354	7846,920	8277,283	60,653	7,700	509,966	7,012	10,905	4,263	2017-09-15 13:57
231,667	55,006	0,358	0,354	7833,163	8269,767	59,791	8,005	509,966	7,235	11,002	4,282	2017-09-15 13:57
231,834	55,007	0,357	0,354	7828,204	8280,829	60,747	8,012	509,966	7,280	10,761	4,235	2017-09-15 13:57
232,000	55,011	0,357	0,354	7826,712	8261,758	61,358	7,842	509,966	7,356	10,948	4,272	2017-09-15 13:57
232,167	55,012	0,357	0,354	7813,411	8271,145	46,488	8,075	509,966	6,966	10,837	4,250	2017-09-15 13:57
232,334	55,018	0,358	0,354	7806,504	8273,973	51,519	8,712	509,966	7,400	10,824	4,247	2017-09-15 13:58
232,500	55,020	0,357	0,354	7807,744	8277,125	44,476	9,073	509,966	7,064	10,928	4,268	2017-09-15 13:58
232,667	55,026	0,357	0,354	7803,000	8281,140	32,635	9,020	509,966	7,413	10,905	4,263	2017-09-15 13:58
232,834	55,028	0,357	0,354	7793,949	8284,179	44,851	8,809	509,824	7,097	11,109	4,303	2017-09-15 13:58
233,000	55,030	0,357	0,354	7786,742	8290,079	53,808	8,312	509,823	7,235	10,719	4,227	2017-09-15 13:58
233,167	55,035	0,357	0,354	7794,739	8251,910	55,052	8,224	509,965	7,006	10,552	4,194	2017-09-15 13:58
233,334	55,039	0,357	0,354	7801,967	8282,892	46,877	8,440	509,960	7,321	11,001	4,282	2017-09-15 13:59
233,500	55,039	0,358	0,354	7800,836	8284,366	45,425	8,605	509,966	6,644	10,909	4,264	2017-09-15 13:59
233,667	55,042	0,358	0,355	7809,670	8305,417	43,531	8,329	509,840	7,034	10,926	4,267	2017-09-15 13:59

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
233,833	0,208	0,533	0,519	0,179	0,272	71,097	20,256	19,479	21,341	21,296	21,056	20,798	21,850	20,501	78,780	58,486	74,256
234,000	0,207	0,532	0,519	0,180	0,276	71,117	20,304	16,925	21,354	21,298	21,050	20,800	21,833	20,500	78,729	58,489	74,257
234,167	0,206	0,527	0,520	0,184	0,274	71,145	20,306	18,722	21,342	21,298	21,059	20,797	21,843	20,500	78,736	58,495	74,270
234,333	0,206	0,539	0,519	0,176	0,277	71,170	20,312	19,238	21,347	21,314	21,072	20,806	21,857	20,507	78,698	58,494	74,270
234,500	0,203	0,549	0,519	0,179	0,269	71,172	20,332	15,206	21,358	21,306	21,052	20,812	21,848	20,504	78,705	58,498	74,274
234,667	0,203	0,553	0,519	0,179	0,267	71,175	20,328	18,666	21,377	21,310	21,056	20,823	21,843	20,507	78,748	58,497	74,260
234,833	0,203	0,558	0,519	0,182	0,273	71,190	20,320	12,800	21,368	21,300	21,049	20,812	21,847	20,507	78,744	58,497	74,257
235,000	0,204	0,564	0,519	0,179	0,267	71,233	20,324	16,438	21,366	21,302	21,052	20,814	21,843	20,504	78,713	58,498	74,254
235,167	0,204	0,572	0,519	0,181	0,265	71,257	20,324	18,544	21,351	21,304	21,051	20,802	21,851	20,504	78,709	58,495	74,254
235,333	0,204	0,579	0,519	0,182	0,271	71,252	20,334	16,176	21,356	21,300	21,062	20,800	21,844	20,501	78,811	58,491	74,254
235,500	0,205	0,585	0,519	0,175	0,267	71,232	20,298	15,934	21,350	21,293	21,060	20,812	21,842	20,503	78,781	58,491	74,251
235,667	0,204	0,593	0,519	0,180	0,271	71,272	20,277	19,705	21,370	21,303	21,055	20,797	21,842	20,501	78,794	58,486	74,251
235,833	0,205	0,607	0,519	0,179	0,281	71,277	20,355	17,929	21,358	21,307	21,060	20,808	21,840	20,504	78,838	58,485	74,249
236,000	0,204	0,601	0,519	0,173	0,276	71,286	20,363	15,466	21,379	21,319	21,055	20,820	21,848	20,503	78,829	58,491	74,265
236,167	0,204	0,597	0,519	0,176	0,278	71,299	20,277	17,950	21,375	21,311	21,067	20,808	21,842	20,507	78,850	58,487	74,283
236,333	0,204	0,604	0,519	0,182	0,273	71,285	20,250	14,529	21,366	21,293	21,055	20,801	21,851	20,505	78,856	58,487	74,291
236,500	0,204	0,599	0,519	0,177	0,269	71,266	20,282	14,396	21,363	21,317	21,049	20,812	21,843	20,504	78,907	58,490	74,304
236,667	0,202	0,589	0,519	0,175	0,275	71,276	20,314	16,820	21,366	21,310	21,049	20,799	21,855	20,505	78,911	58,489	74,324
236,833	0,202	0,577	0,519	0,184	0,276	71,285	20,329	17,297	21,355	21,308	21,070	20,801	21,843	20,509	78,919	58,486	74,338
237,000	0,203	0,554	0,519	0,187	0,268	71,296	20,316	17,170	21,349	21,304	21,062	20,807	21,859	20,507	78,968	58,481	74,351
237,167	0,204	0,535	0,518	0,179	0,273	71,348	20,310	16,278	21,362	21,310	21,064	20,811	21,846	20,507	78,923	58,477	74,372
237,333	0,205	0,536	0,519	0,177	0,271	71,417	20,314	14,111	21,370	21,316	21,062	20,809	21,848	20,512	78,938	58,482	74,388
237,500	0,203	0,548	0,519	0,180	0,265	71,421	20,289	18,022	21,355	21,317	21,055	20,808	21,861	20,509	79,001	58,478	74,396
237,667	0,202	0,569	0,518	0,185	0,269	71,426	20,303	17,166	21,381	21,328	21,059	20,812	21,843	20,512	78,931	58,482	74,407
237,833	0,203	0,581	0,519	0,184	0,270	71,402	20,301	17,704	21,370	21,306	21,057	20,811	21,855	20,511	78,968	58,470	74,412
238,000	0,203	0,580	0,518	0,179	0,276	71,408	20,275	14,587	21,354	21,301	21,079	20,822	21,859	20,511	79,012	58,458	74,415
238,167	0,203	0,581	0,518	0,187	0,275	71,429	20,218	4,359	21,367	21,314	21,049	20,820	21,854	20,515	79,005	58,455	74,424
238,334	0,203	0,588	0,519	0,186	0,278	71,431	20,264	15,573	21,368	21,321	21,059	20,820	21,864	20,515	79,046	58,455	74,424
238,500	0,206	0,593	0,518	0,178	0,274	71,396	20,305	17,371	21,354	21,311	21,081	20,809	21,846	20,512	79,076	58,457	74,430
238,667	0,205	0,600	0,518	0,179	0,268	71,405	20,298	17,429	21,359	21,312	21,057	20,810	21,867	20,513	79,103	58,450	74,446
238,834	0,204	0,595	0,519	0,178	0,271	71,411	20,316	16,328	21,370	21,318	21,064	20,823	21,851	20,513	79,148	58,447	74,462
239,000	0,205	0,594	0,518	0,175	0,274	71,462	20,310	17,060	21,378	21,312	21,072	20,819	21,860	20,519	79,151	58,431	74,484
239,167	0,205	0,596	0,518	0,174	0,275	71,492	20,298	14,894	21,376	21,312	21,055	20,816	21,855	20,515	79,158	58,422	74,496
239,334	0,206	0,613	0,518	0,180	0,274	71,460	20,292	14,882	21,378	21,306	21,055	20,813	21,854	20,516	79,242	58,420	74,516
239,500	0,205	0,612	0,518	0,178	0,274	71,426	20,245	16,439	21,363	21,316	21,063	20,818	21,854	20,512	79,237	58,416	74,538
239,667	0,204	0,602	0,518	0,185	0,271	71,406	20,265	18,981	21,357	21,310	21,060	20,811	21,856	20,512	79,279	58,419	74,558
239,834	0,203	0,606	0,518	0,181	0,272	71,443	20,285	13,686	21,379	21,314	21,058	20,824	21,867	20,517	79,318	58,411	74,574

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
233,833	55,036	0,357	0,354	7802,484	8287,634	55,650	8,332	509,824	7,174	10,891	4,260	2017-09-15 13:59
234,000	55,034	0,357	0,354	7803,511	8266,384	50,681	8,300	509,823	7,212	11,044	4,290	2017-09-15 13:59
234,167	55,022	0,357	0,354	7813,161	8266,973	46,470	8,164	509,965	7,364	10,974	4,277	2017-09-15 13:59
234,333	55,018	0,357	0,355	7823,158	8254,914	43,361	8,477	509,823	7,035	11,098	4,301	2017-09-15 14:00
234,500	55,018	0,357	0,354	7818,623	8263,975	25,519	8,724	509,824	7,179	10,745	4,232	2017-09-15 14:00
234,667	55,018	0,357	0,354	7817,366	8278,531	25,700	8,832	509,823	7,162	10,684	4,220	2017-09-15 14:00
234,833	55,015	0,357	0,354	7814,590	8281,155	29,070	8,943	509,823	7,286	10,935	4,269	2017-09-15 14:00
235,000	55,014	0,357	0,355	7825,959	8265,869	31,145	9,104	509,824	7,156	10,675	4,218	2017-09-15 14:00
235,167	55,016	0,357	0,354	7810,155	8261,637	30,557	9,310	509,824	7,241	10,613	4,206	2017-09-15 14:00
235,333	55,019	0,357	0,354	7812,627	8308,983	30,332	9,485	509,824	7,271	10,835	4,249	2017-09-15 14:01
235,500	55,016	0,357	0,354	7810,452	8295,997	37,520	9,628	509,730	6,983	10,671	4,217	2017-09-15 14:01
235,667	55,019	0,358	0,355	7817,709	8314,639	35,376	9,829	509,730	7,200	10,842	4,251	2017-09-15 14:01
235,833	55,016	0,357	0,355	7822,666	8327,116	39,445	10,177	509,730	7,174	11,243	4,329	2017-09-15 14:01
236,000	55,012	0,357	0,354	7816,198	8319,640	33,069	10,027	509,730	6,918	11,028	4,287	2017-09-15 14:01
236,167	55,003	0,357	0,354	7822,376	8310,859	30,564	9,934	509,823	7,055	11,111	4,303	2017-09-15 14:01
236,333	55,000	0,357	0,354	7828,766	8323,732	32,649	10,096	509,730	7,266	10,918	4,266	2017-09-15 14:02
236,500	55,000	0,357	0,355	7849,624	8352,245	31,631	9,970	509,730	7,094	10,760	4,235	2017-09-15 14:02
236,667	54,999	0,357	0,355	7859,215	8346,658	23,636	9,737	509,730	7,019	11,000	4,282	2017-09-15 14:02
236,833	54,991	0,357	0,355	7863,017	8351,688	21,531	9,424	509,730	7,359	11,056	4,293	2017-09-15 14:02
237,000	54,975	0,357	0,354	7865,293	8376,671	27,615	8,842	509,730	7,473	10,712	4,225	2017-09-15 14:02
237,167	54,961	0,357	0,354	7878,395	8358,063	32,434	8,387	509,636	7,144	10,916	4,265	2017-09-15 14:02
237,333	54,949	0,357	0,355	7907,413	8361,082	39,539	8,398	509,730	7,089	10,829	4,248	2017-09-15 14:03
237,500	54,940	0,358	0,355	7905,496	8401,131	24,474	8,702	509,730	7,194	10,618	4,207	2017-09-15 14:03
237,667	54,935	0,357	0,354	7907,077	8366,975	22,597	9,234	509,636	7,403	10,764	4,235	2017-09-15 14:03
237,833	54,928	0,357	0,355	7920,474	8381,110	26,784	9,536	509,729	7,378	10,813	4,245	2017-09-15 14:03
238,000	54,922	0,357	0,354	7907,651	8406,208	24,904	9,490	509,636	7,143	11,046	4,291	2017-09-15 14:03
238,167	54,912	0,357	0,354	7914,448	8394,835	24,050	9,524	509,636	7,466	11,001	4,282	2017-09-15 14:03
238,334	54,909	0,356	0,354	7916,162	8400,388	28,914	9,700	509,730	7,426	11,114	4,304	2017-09-15 14:04
238,500	54,904	0,357	0,354	7926,193	8426,503	43,343	9,829	509,636	7,101	10,951	4,272	2017-09-15 14:04
238,667	54,897	0,357	0,355	7944,807	8442,624	41,669	9,994	509,636	7,147	10,711	4,225	2017-09-15 14:04
238,834	54,886	0,357	0,355	7963,502	8461,676	35,991	9,884	509,730	7,103	10,854	4,253	2017-09-15 14:04
239,000	54,877	0,357	0,354	7966,221	8470,903	38,754	9,846	509,592	7,000	10,945	4,271	2017-09-15 14:04
239,167	54,865	0,358	0,355	7982,592	8487,172	39,348	9,890	509,636	6,961	11,015	4,285	2017-09-15 14:04
239,334	54,854	0,357	0,354	7987,323	8519,696	44,605	10,333	509,637	7,205	10,959	4,274	2017-09-15 14:05
239,500	54,850	0,357	0,355	8002,834	8519,086	37,468	10,299	509,636	7,116	10,963	4,274	2017-09-15 14:05
239,667	54,844	0,357	0,354	8005,891	8518,086	31,798	10,041	509,636	7,407	10,838	4,250	2017-09-15 14:05
239,834	54,838	0,357	0,354	8008,967	8541,840	27,396	10,145	509,637	7,250	10,889	4,260	2017-09-15 14:05

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
240,000	0,203	0,606	0,518	0,181	0,278	71,478	20,312	14,105	21,359	21,314	21,071	20,826	21,859	20,515	79,317	58,411	74,586
240,167	0,203	0,600	0,518	0,189	0,280	71,499	20,255	18,128	21,362	21,314	21,075	20,817	21,869	20,517	79,344	58,416	74,616
240,333	0,203	0,583	0,518	0,178	0,276	71,464	20,256	18,665	21,367	21,324	21,067	20,811	21,846	20,515	79,351	58,414	74,658
240,500	0,203	0,578	0,518	0,182	0,271	71,494	20,283	12,802	21,375	21,316	21,066	20,822	21,867	20,520	79,349	58,415	74,682
240,667	0,204	0,581	0,518	0,182	0,277	71,579	20,251	16,546	21,368	21,311	21,063	20,823	21,854	20,515	79,366	58,414	74,700
240,833	0,204	0,587	0,518	0,177	0,276	71,551	20,255	19,237	21,374	21,319	21,080	20,831	21,862	20,517	79,428	58,415	74,716
241,000	0,203	0,604	0,518	0,175	0,274	71,621	20,262	13,129	21,384	21,328	21,084	20,822	21,858	20,521	79,441	58,412	74,724
241,167	0,204	0,607	0,518	0,173	0,280	71,594	20,241	17,339	21,389	21,314	21,074	20,820	21,856	20,516	79,474	58,414	74,730
241,333	0,203	0,606	0,518	0,186	0,274	71,624	20,199	19,978	21,375	21,305	21,071	20,819	21,875	20,517	79,486	58,414	74,734
241,500	0,203	0,619	0,518	0,176	0,273	71,600	20,224	13,846	21,371	21,314	21,083	20,831	21,863	20,516	79,505	58,401	74,751
241,667	0,202	0,614	0,518	0,186	0,276	71,641	20,238	20,250	21,378	21,306	21,076	20,831	21,864	20,519	79,621	58,400	74,788
241,833	0,203	0,600	0,518	0,187	0,274	71,656	20,224	20,038	21,372	21,307	21,088	20,839	21,855	20,517	79,582	58,399	74,801
242,000	0,204	0,588	0,518	0,182	0,273	71,674	20,249	12,257	21,384	21,309	21,057	20,832	21,862	20,519	79,609	58,391	74,816
242,167	0,206	0,577	0,518	0,183	0,280	71,666	20,241	18,459	21,371	21,319	21,071	20,835	21,875	20,520	79,703	58,387	74,834
242,333	0,207	0,581	0,518	0,179	0,277	71,681	20,216	21,102	21,378	21,322	21,082	20,827	21,879	20,523	79,683	58,392	74,865
242,500	0,207	0,574	0,517	0,179	0,273	71,708	20,191	16,421	21,379	21,306	21,071	20,819	21,884	20,521	79,687	58,399	74,894
242,667	0,208	0,574	0,517	0,181	0,277	71,676	20,199	15,982	21,354	21,327	21,078	20,835	21,883	20,521	79,679	58,409	74,916
242,833	0,207	0,568	0,517	0,171	0,270	71,626	20,209	15,589	21,363	21,314	21,061	20,834	21,864	20,520	79,667	58,409	74,938
243,000	0,206	0,570	0,518	0,182	0,264	71,599	20,195	21,271	21,378	21,301	21,071	20,837	21,892	20,523	79,706	58,408	74,959
243,167	0,206	0,578	0,517	0,176	0,273	71,667	20,208	16,036	21,366	21,316	21,061	20,832	21,873	20,523	79,658	58,411	74,988
243,333	0,206	0,576	0,517	0,184	0,273	71,646	20,191	20,746	21,359	21,295	21,081	20,828	21,868	20,519	79,707	58,416	75,001
243,500	0,206	0,570	0,517	0,188	0,271	71,667	20,199	15,972	21,373	21,302	21,084	20,839	21,868	20,523	79,718	58,418	75,000
243,667	0,205	0,551	0,517	0,188	0,271	71,715	20,204	15,465	21,377	21,313	21,069	20,827	21,887	20,525	79,645	58,420	75,001
243,833	0,205	0,557	0,517	0,178	0,275	71,661	20,198	18,283	21,375	21,281	21,066	20,840	21,887	20,524	79,644	58,419	75,011
244,000	0,205	0,560	0,517	0,178	0,274	71,630	20,190	20,277	21,374	21,301	21,078	20,823	21,877	20,523	79,606	58,424	75,015
244,167	0,204	0,564	0,517	0,175	0,275	71,652	20,194	18,741	21,378	21,284	21,087	20,822	21,870	20,523	79,611	58,422	75,011
244,333	0,204	0,567	0,517	0,182	0,268	71,662	20,160	14,458	21,363	21,289	21,067	20,815	21,866	20,521	79,649	58,423	74,993
244,500	0,203	0,566	0,517	0,180	0,270	71,665	20,159	17,321	21,374	21,288	21,080	20,845	21,879	20,528	79,664	58,418	74,981
244,667	0,203	0,566	0,517	0,185	0,268	71,635	20,132	14,371	21,373	21,293	21,079	20,822	21,880	20,527	79,735	58,419	74,973
244,834	0,204	0,561	0,517	0,187	0,267	71,666	20,105	18,125	21,369	21,277	21,091	20,835	21,876	20,529	79,692	58,422	74,973
245,000	0,203	0,551	0,517	0,183	0,275	71,724	20,130	18,207	21,367	21,287	21,091	20,823	21,887	20,528	79,723	58,430	74,982
245,167	0,204	0,554	0,517	0,182	0,272	71,801	20,125	13,686	21,356	21,283	21,087	20,827	21,875	20,528	79,746	58,431	74,993
245,334	0,203	0,563	0,517	0,179	0,275	71,796	20,125	20,315	21,364	21,277	21,075	20,841	21,879	20,527	79,727	58,432	75,004
245,500	0,203	0,559	0,517	0,181	0,278	71,829	20,135	20,650	21,364	21,276	21,093	20,845	21,880	20,528	79,707	58,440	75,015
245,667	0,204	0,560	0,517	0,184	0,274	71,794	20,148	13,698	21,348	21,275	21,082	20,830	21,875	20,523	79,749	58,448	75,019
245,834	0,204	0,549	0,517	0,184	0,271	71,819	20,136	19,062	21,362	21,293	21,088	20,847	21,893	20,531	79,765	58,458	75,028
246,000	0,205	0,537	0,517	0,185	0,272	71,751	20,114	15,111	21,345	21,279	21,075	20,828	21,877	20,524	79,741	58,463	75,040

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
240,000	54,831	0,356	0,354	8013,163	8531,833	25,266	10,156	509,637	7,234	11,121	4,305	2017-09-15 14:05
240,167	54,827	0,357	0,354	8036,107	8547,163	26,555	9,999	509,542	7,575	11,201	4,321	2017-09-15 14:05
240,333	54,822	0,357	0,354	8047,513	8553,363	23,824	9,584	509,637	7,121	11,037	4,289	2017-09-15 14:06
240,500	54,815	0,357	0,354	8066,518	8557,309	29,470	9,447	509,636	7,274	10,849	4,252	2017-09-15 14:06
240,667	54,810	0,357	0,354	8078,731	8570,398	32,639	9,528	509,542	7,274	11,073	4,296	2017-09-15 14:06
240,833	54,802	0,358	0,354	8090,871	8600,596	30,776	9,680	509,542	7,085	11,046	4,291	2017-09-15 14:06
241,000	54,794	0,358	0,355	8106,759	8615,276	29,706	10,100	509,543	7,014	10,942	4,270	2017-09-15 14:06
241,167	54,787	0,357	0,355	8105,929	8617,603	31,377	10,183	509,542	6,912	11,219	4,324	2017-09-15 14:06
241,333	54,786	0,357	0,354	8104,603	8616,008	26,141	10,138	509,542	7,454	10,967	4,275	2017-09-15 14:07
241,500	54,790	0,357	0,354	8100,621	8627,888	23,761	10,464	509,543	7,041	10,918	4,266	2017-09-15 14:07
241,667	54,791	0,357	0,354	8117,161	8669,345	21,322	10,344	509,543	7,441	11,038	4,289	2017-09-15 14:07
241,833	54,793	0,357	0,354	8128,529	8657,508	28,886	10,002	509,542	7,489	10,957	4,273	2017-09-15 14:07
242,000	54,799	0,357	0,354	8128,927	8668,896	32,406	9,702	509,543	7,280	10,908	4,264	2017-09-15 14:07
242,167	54,799	0,357	0,354	8131,085	8707,079	44,361	9,429	509,543	7,330	11,188	4,318	2017-09-15 14:07
242,333	54,795	0,357	0,354	8143,095	8697,214	51,227	9,513	509,543	7,145	11,066	4,295	2017-09-15 14:08
242,500	54,797	0,357	0,354	8160,438	8705,112	49,827	9,353	509,449	7,160	10,940	4,270	2017-09-15 14:08
242,667	54,793	0,357	0,355	8178,982	8695,220	56,119	9,361	509,449	7,231	11,087	4,299	2017-09-15 14:08
242,833	54,785	0,357	0,354	8182,959	8690,879	49,622	9,207	509,449	6,828	10,817	4,246	2017-09-15 14:08
243,000	54,778	0,357	0,354	8199,698	8712,843	43,979	9,256	509,542	7,295	10,552	4,194	2017-09-15 14:08
243,167	54,773	0,357	0,355	8215,524	8685,511	45,008	9,438	509,449	7,037	10,913	4,265	2017-09-15 14:08
243,333	54,775	0,357	0,355	8219,923	8704,687	45,838	9,411	509,449	7,367	10,919	4,266	2017-09-15 14:09
243,500	54,778	0,357	0,355	8220,571	8698,916	42,582	9,252	509,449	7,514	10,853	4,253	2017-09-15 14:09
243,667	54,782	0,357	0,355	8218,642	8670,105	38,722	8,782	509,449	7,521	10,825	4,248	2017-09-15 14:09
243,833	54,783	0,357	0,354	8218,374	8675,478	38,298	8,932	509,449	7,119	11,009	4,283	2017-09-15 14:09
244,000	54,785	0,357	0,354	8218,648	8647,958	39,789	8,992	509,449	7,131	10,953	4,273	2017-09-15 14:09
244,167	54,797	0,357	0,355	8216,452	8660,235	34,734	9,100	509,449	6,998	10,980	4,278	2017-09-15 14:09
244,333	54,809	0,357	0,354	8194,959	8679,013	30,106	9,180	509,449	7,281	10,733	4,229	2017-09-15 14:10
244,500	54,822	0,357	0,355	8195,381	8677,461	28,243	9,148	509,449	7,219	10,803	4,243	2017-09-15 14:10
244,667	54,831	0,357	0,355	8189,705	8712,173	25,499	9,139	509,449	7,389	10,717	4,226	2017-09-15 14:10
244,834	54,835	0,358	0,355	8190,327	8710,301	30,325	9,036	509,449	7,473	10,664	4,216	2017-09-15 14:10
245,000	54,839	0,357	0,355	8189,612	8703,637	28,025	8,782	509,449	7,323	11,006	4,283	2017-09-15 14:10
245,167	54,841	0,357	0,355	8189,732	8719,126	35,779	8,854	509,449	7,275	10,865	4,255	2017-09-15 14:10
245,334	54,845	0,357	0,355	8205,614	8703,318	28,042	9,064	509,449	7,173	11,017	4,285	2017-09-15 14:11
245,500	54,848	0,357	0,354	8193,673	8683,567	25,724	8,965	509,449	7,249	11,122	4,305	2017-09-15 14:11
245,667	54,849	0,357	0,354	8186,649	8699,489	33,264	8,996	509,449	7,362	10,972	4,276	2017-09-15 14:11
245,834	54,856	0,357	0,355	8200,250	8704,621	34,230	8,728	509,355	7,348	10,825	4,248	2017-09-15 14:11
246,000	54,860	0,357	0,354	8199,810	8700,588	42,266	8,428	509,356	7,388	10,896	4,261	2017-09-15 14:11

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
246,167	0,207	0,530	0,517	0,187	0,271	71,804	20,121	19,875	21,358	21,281	21,079	20,831	21,885	20,524	79,696	58,458	75,044
246,334	0,206	0,529	0,517	0,180	0,273	71,872	20,105	20,438	21,346	21,281	21,084	20,836	21,879	20,525	79,654	58,465	75,040
246,500	0,208	0,534	0,517	0,186	0,271	71,987	20,115	21,035	21,370	21,276	21,092	20,830	21,881	20,527	79,712	58,463	75,047
246,667	0,210	0,535	0,517	0,182	0,274	72,203	20,109	19,443	21,367	21,287	21,099	20,834	21,880	20,527	79,626	58,469	75,047
246,834	0,208	0,519	0,517	0,190	0,266	72,364	20,123	18,457	21,362	21,272	21,086	20,827	21,883	20,527	79,637	58,477	75,039
247,000	0,207	0,519	0,517	0,192	0,277	72,490	20,104	15,142	21,362	21,264	21,092	20,835	21,876	20,525	79,622	58,486	75,021
247,167	0,206	0,524	0,517	0,186	0,272	72,575	20,097	16,927	21,364	21,281	21,093	20,842	21,889	20,528	79,689	58,501	75,016
247,333	0,205	0,542	0,517	0,178	0,270	72,664	20,070	15,961	21,361	21,271	21,076	20,834	21,881	20,521	79,642	58,499	74,998
247,500	0,204	0,541	0,517	0,187	0,272	72,782	20,016	19,572	21,369	21,266	21,097	20,838	21,885	20,525	79,766	58,502	74,993
247,667	0,203	0,541	0,517	0,189	0,271	72,929	20,097	19,064	21,370	21,264	21,108	20,838	21,888	20,524	79,780	58,509	74,988
247,833	0,203	0,535	0,517	0,182	0,271	73,058	20,173	18,197	21,364	21,283	21,089	20,843	21,896	20,528	79,824	58,516	74,996
248,000	0,203	0,527	0,517	0,184	0,275	73,184	20,175	19,203	21,365	21,273	21,093	20,821	21,880	20,523	79,855	58,522	75,007
248,167	0,203	0,533	0,516	0,189	0,269	73,193	20,132	18,047	21,358	21,288	21,091	20,835	21,876	20,527	79,806	58,524	75,039
248,333	0,203	0,531	0,516	0,180	0,274	73,250	20,176	15,620	21,378	21,289	21,109	20,842	21,887	20,533	79,908	58,529	75,058
248,500	0,204	0,518	0,516	0,195	0,270	73,315	20,125	20,776	21,371	21,280	21,095	20,831	21,904	20,528	79,926	58,536	75,085
248,667	0,203	0,521	0,516	0,183	0,272	73,318	20,002	15,562	21,362	21,287	21,096	20,843	21,894	20,529	79,892	58,544	75,094
248,833	0,204	0,520	0,516	0,182	0,270	73,371	19,954	16,538	21,382	21,284	21,104	20,850	21,889	20,536	79,908	58,549	75,115
249,000	0,206	0,509	0,516	0,185	0,269	73,290	20,087	21,649	21,362	21,266	21,102	20,819	21,887	20,524	79,973	58,560	75,144
249,167	0,206	0,505	0,516	0,185	0,269	73,304	20,122	20,244	21,370	21,281	21,114	20,857	21,893	20,536	79,985	58,572	75,173
249,333	0,208	0,504	0,516	0,185	0,267	73,290	20,144	17,948	21,353	21,273	21,110	20,831	21,876	20,528	79,967	58,581	75,185
249,500	0,207	0,502	0,516	0,184	0,271	73,258	20,178	18,453	21,358	21,280	21,102	20,839	21,888	20,525	79,962	58,589	75,196
249,667	0,207	0,524	0,516	0,188	0,276	73,237	20,195	19,078	21,371	21,271	21,099	20,822	21,883	20,524	79,967	58,604	75,220
249,833	0,207	0,543	0,516	0,187	0,271	73,151	20,206	14,191	21,361	21,271	21,099	20,832	21,883	20,524	79,970	58,610	75,237
250,000	0,205	0,559	0,516	0,187	0,271	73,107	20,191	20,900	21,375	21,289	21,116	20,838	21,900	20,537	80,021	58,614	75,247
250,167	0,204	0,556	0,516	0,187	0,272	73,083	20,122	19,909	21,356	21,271	21,101	20,838	21,881	20,524	79,990	58,619	75,251
250,333	0,205	0,558	0,516	0,192	0,275	73,007	20,131	16,424	21,344	21,255	21,114	20,827	21,881	20,521	80,004	58,624	75,255
250,500	0,205	0,561	0,516	0,190	0,266	72,946	20,152	15,568	21,347	21,267	21,113	20,830	21,880	20,527	79,994	58,631	75,260
250,667	0,205	0,568	0,516	0,184	0,266	72,903	20,153	12,931	21,365	21,276	21,089	20,838	21,897	20,525	80,012	58,632	75,275
250,833	0,205	0,577	0,515	0,183	0,272	72,904	20,164	15,765	21,357	21,258	21,097	20,830	21,883	20,523	80,012	58,637	75,281
251,000	0,206	0,587	0,516	0,189	0,265	72,948	20,178	15,828	21,358	21,263	21,092	20,845	21,880	20,523	80,021	58,645	75,282
251,167	0,208	0,596	0,516	0,182	0,269	72,908	20,211	16,216	21,360	21,263	21,102	20,838	21,889	20,525	80,050	58,654	75,287
251,333	0,207	0,594	0,515	0,193	0,274	72,919	20,186	18,139	21,339	21,263	21,113	20,820	21,881	20,521	80,021	58,657	75,294
251,500	0,206	0,589	0,515	0,178	0,269	72,917	20,186	16,381	21,352	21,268	21,091	20,835	21,885	20,523	80,069	58,666	75,297
251,667	0,204	0,599	0,515	0,183	0,272	72,945	20,187	18,119	21,352	21,267	21,110	20,820	21,869	20,519	80,086	58,671	75,310
251,834	0,204	0,615	0,515	0,184	0,265	72,891	20,225	17,149	21,359	21,249	21,118	20,837	21,876	20,521	80,148	58,674	75,321
252,000	0,205	0,622	0,515	0,185	0,270	72,900	20,240	14,620	21,337	21,266	21,106	20,841	21,897	20,525	80,224	58,681	75,331
252,167	0,205	0,607	0,515	0,181	0,271	72,877	20,236	17,715	21,352	21,258	21,106	20,841	21,884	20,525	80,142	58,682	75,340

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
246,167	54,873	0,357	0,355	8201,811	8689,064	50,862	8,260	509,355	7,490	10,840	4,251	2017-09-15 14:11
246,334	54,889	0,358	0,354	8184,178	8675,986	48,562	8,226	509,356	7,190	10,911	4,264	2017-09-15 14:12
246,500	54,894	0,357	0,355	8192,666	8688,975	60,476	8,351	509,355	7,439	10,823	4,247	2017-09-15 14:12
246,667	54,901	0,358	0,355	8189,920	8660,340	70,354	8,383	509,355	7,282	10,974	4,277	2017-09-15 14:12
246,834	54,908	0,357	0,355	8189,069	8645,885	60,591	7,986	509,355	7,596	10,653	4,214	2017-09-15 14:12
247,000	54,912	0,357	0,354	8169,251	8641,018	52,582	7,987	509,355	7,677	11,064	4,294	2017-09-15 14:12
247,167	54,914	0,356	0,354	8152,227	8646,972	43,962	8,104	509,355	7,445	10,896	4,261	2017-09-15 14:12
247,333	54,918	0,357	0,354	8152,810	8631,830	37,888	8,541	509,355	7,101	10,810	4,245	2017-09-15 14:13
247,500	54,925	0,357	0,354	8149,328	8686,000	32,850	8,517	509,355	7,480	10,900	4,262	2017-09-15 14:13
247,667	54,932	0,357	0,354	8148,101	8685,120	28,886	8,522	509,355	7,559	10,855	4,253	2017-09-15 14:13
247,833	54,939	0,357	0,354	8146,389	8698,194	24,640	8,386	509,355	7,290	10,846	4,252	2017-09-15 14:13
248,000	54,948	0,357	0,354	8149,850	8720,158	24,637	8,187	509,355	7,354	10,993	4,280	2017-09-15 14:13
248,167	54,953	0,357	0,354	8158,737	8695,510	29,678	8,326	509,262	7,558	10,773	4,237	2017-09-15 14:13
248,333	54,965	0,356	0,354	8154,863	8719,328	29,671	8,268	509,262	7,219	10,948	4,272	2017-09-15 14:14
248,500	54,971	0,357	0,354	8170,281	8747,240	34,299	7,942	509,262	7,801	10,788	4,240	2017-09-15 14:14
248,667	54,979	0,357	0,355	8175,844	8733,727	27,173	8,034	509,262	7,336	10,871	4,257	2017-09-15 14:14
248,833	54,984	0,357	0,355	8180,427	8735,132	32,079	7,994	509,262	7,291	10,813	4,245	2017-09-15 14:14
249,000	54,989	0,357	0,355	8196,978	8762,643	46,884	7,720	509,262	7,410	10,759	4,235	2017-09-15 14:14
249,167	54,995	0,357	0,355	8201,134	8754,194	46,467	7,637	509,262	7,405	10,758	4,234	2017-09-15 14:14
249,333	54,996	0,357	0,355	8206,345	8745,498	59,899	7,606	509,262	7,419	10,700	4,223	2017-09-15 14:15
249,500	54,997	0,357	0,355	8209,369	8739,092	50,261	7,551	509,262	7,376	10,849	4,252	2017-09-15 14:15
249,667	54,995	0,357	0,355	8223,299	8739,711	52,975	8,100	509,262	7,528	11,024	4,286	2017-09-15 14:15
249,833	54,995	0,357	0,354	8223,935	8727,430	52,030	8,567	509,262	7,496	10,853	4,253	2017-09-15 14:15
250,000	55,004	0,357	0,354	8221,649	8751,912	42,284	8,984	509,262	7,467	10,851	4,253	2017-09-15 14:15
250,167	55,007	0,357	0,354	8220,728	8733,978	32,222	8,896	509,262	7,463	10,879	4,258	2017-09-15 14:15
250,333	55,016	0,357	0,354	8220,826	8748,711	41,224	8,952	509,262	7,667	10,995	4,281	2017-09-15 14:16
250,500	55,026	0,358	0,354	8219,832	8747,205	39,761	9,025	509,262	7,608	10,633	4,210	2017-09-15 14:16
250,667	55,028	0,357	0,355	8229,993	8738,141	40,185	9,195	509,262	7,370	10,629	4,209	2017-09-15 14:16
250,833	55,034	0,357	0,355	8235,033	8731,077	42,061	9,430	509,117	7,308	10,889	4,260	2017-09-15 14:16
251,000	55,036	0,357	0,355	8228,617	8743,673	47,676	9,674	509,262	7,580	10,585	4,200	2017-09-15 14:16
251,167	55,042	0,358	0,355	8230,919	8756,812	55,893	9,894	509,262	7,281	10,774	4,238	2017-09-15 14:16
251,333	55,042	0,357	0,355	8232,844	8735,667	48,802	9,858	509,117	7,731	10,955	4,273	2017-09-15 14:17
251,500	55,046	0,357	0,355	8230,188	8744,028	46,463	9,728	509,118	7,121	10,770	4,237	2017-09-15 14:17
251,667	55,047	0,357	0,354	8228,434	8748,545	33,465	9,983	509,117	7,339	10,870	4,256	2017-09-15 14:17
251,834	55,046	0,357	0,355	8248,884	8779,790	33,691	10,375	509,118	7,352	10,610	4,205	2017-09-15 14:17
252,000	55,042	0,358	0,355	8249,153	8820,762	38,910	10,554	509,118	7,394	10,811	4,245	2017-09-15 14:17
252,167	55,038	0,357	0,355	8250,231	8769,786	37,253	10,166	509,117	7,253	10,848	4,252	2017-09-15 14:17

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
252,334	0,204	0,580	0,515	0,173	0,269	72,861	20,213	14,506	21,349	21,271	21,112	20,844	21,894	20,525	80,121	58,686	75,364
252,500	0,203	0,564	0,515	0,185	0,270	72,810	20,203	18,781	21,352	21,267	21,109	20,820	21,868	20,519	80,128	58,686	75,385
252,667	0,204	0,549	0,515	0,188	0,274	72,768	20,198	18,188	21,354	21,275	21,116	20,848	21,898	20,532	80,124	58,682	75,401
252,834	0,205	0,535	0,515	0,184	0,275	72,775	20,138	13,364	21,348	21,260	21,114	20,819	21,879	20,521	80,132	58,685	75,413
253,000	0,210	0,528	0,515	0,189	0,274	72,731	20,105	16,952	21,358	21,269	21,110	20,826	21,889	20,521	80,124	58,688	75,414
253,167	0,205	0,530	0,515	0,179	0,272	72,758	20,038	18,581	21,353	21,264	21,126	20,823	21,880	20,521	80,128	58,689	75,414
253,334	0,206	0,536	0,515	0,184	0,266	72,728	20,077	15,501	21,349	21,250	21,115	20,837	21,876	20,515	80,116	58,689	75,417
253,500	0,208	0,550	0,515	0,186	0,270	72,737	20,100	15,918	21,338	21,251	21,096	20,823	21,867	20,515	80,086	58,690	75,416
253,667	0,205	0,564	0,515	0,175	0,268	72,736	20,152	13,888	21,329	21,254	21,117	20,816	21,862	20,513	80,094	58,692	75,412
253,834	0,205	0,584	0,515	0,179	0,267	72,740	20,211	18,192	21,333	21,250	21,121	20,823	21,877	20,517	80,146	58,694	75,399
254,000	0,205	0,600	0,515	0,178	0,274	72,754	20,197	15,492	21,327	21,258	21,097	20,827	21,872	20,512	80,155	58,698	75,397
254,167	0,204	0,594	0,515	0,178	0,275	72,774	20,168	18,606	21,342	21,242	21,101	20,826	21,872	20,516	80,088	58,706	75,393
254,333	0,204	0,571	0,515	0,182	0,270	72,800	20,152	17,799	21,327	21,251	21,120	20,822	21,867	20,512	80,138	58,701	75,393
254,500	0,204	0,548	0,515	0,190	0,273	72,786	20,208	17,221	21,327	21,261	21,121	20,831	21,876	20,513	80,104	58,702	75,394
254,667	0,206	0,542	0,515	0,171	0,270	72,774	20,148	15,718	21,329	21,252	21,097	20,828	21,872	20,515	80,119	58,705	75,406
254,833	0,204	0,554	0,515	0,185	0,268	72,751	20,102	16,776	21,355	21,259	21,107	20,819	21,862	20,515	80,166	58,706	75,402
255,000	0,203	0,568	0,515	0,178	0,270	72,717	20,117	16,061	21,345	21,258	21,119	20,823	21,877	20,516	80,131	58,704	75,406
255,167	0,203	0,582	0,515	0,190	0,274	72,735	20,134	18,594	21,338	21,260	21,118	20,824	21,872	20,515	80,170	58,705	75,405
255,333	0,203	0,585	0,515	0,175	0,265	72,704	20,203	18,117	21,329	21,267	21,115	20,823	21,875	20,515	80,213	58,709	75,402
255,500	0,204	0,563	0,515	0,184	0,261	72,697	20,199	17,005	21,346	21,269	21,117	20,832	21,869	20,517	80,205	58,709	75,412
255,667	0,204	0,537	0,515	0,182	0,267	72,701	20,226	17,219	21,341	21,254	21,115	20,822	21,860	20,516	80,224	58,701	75,430
255,833	0,207	0,514	0,515	0,187	0,276	72,728	20,214	14,666	21,337	21,264	21,109	20,818	21,858	20,513	80,165	58,696	75,440
256,000	0,209	0,495	0,515	0,184	0,268	72,766	20,255	19,696	21,350	21,256	21,111	20,818	21,876	20,519	80,175	58,690	75,443
256,167	0,208	0,499	0,515	0,182	0,270	72,742	20,269	20,263	21,338	21,273	21,117	20,822	21,863	20,515	80,125	58,684	75,452
256,333	0,208	0,515	0,515	0,189	0,269	72,727	20,273	20,173	21,366	21,284	21,122	20,844	21,877	20,523	80,082	58,674	75,462
256,500	0,205	0,532	0,515	0,186	0,265	72,712	20,264	18,026	21,344	21,263	21,117	20,823	21,866	20,520	80,075	58,665	75,456
256,667	0,206	0,545	0,515	0,183	0,269	72,692	20,249	13,522	21,324	21,272	21,105	20,833	21,875	20,519	80,080	58,665	75,448
256,833	0,207	0,547	0,515	0,184	0,267	72,653	20,256	18,152	21,337	21,272	21,130	20,827	21,858	20,516	80,027	58,662	75,433
257,000	0,206	0,552	0,514	0,187	0,265	72,608	20,264	19,054	21,342	21,273	21,124	20,810	21,875	20,513	79,993	58,653	75,412
257,167	0,209	0,551	0,515	0,179	0,270	72,634	20,191	16,159	21,340	21,262	21,119	20,811	21,873	20,519	79,973	58,649	75,395
257,333	0,208	0,552	0,514	0,179	0,271	72,643	20,115	19,503	21,340	21,286	21,118	20,813	21,863	20,523	79,955	58,645	75,376
257,500	0,208	0,546	0,514	0,179	0,267	72,621	20,116	15,128	21,354	21,289	21,122	20,851	21,876	20,531	79,965	58,643	75,352
257,667	0,208	0,541	0,514	0,180	0,270	72,621	20,162	18,994	21,332	21,276	21,131	20,828	21,868	20,519	79,897	58,638	75,329
257,833	0,209	0,542	0,514	0,185	0,268	72,590	20,164	19,333	21,331	21,279	21,119	20,831	21,862	20,520	79,876	58,634	75,312
258,000	0,206	0,558	0,514	0,177	0,269	72,634	20,160	16,137	21,337	21,272	21,123	20,818	21,863	20,515	79,880	58,614	75,301
258,167	0,203	0,581	0,514	0,178	0,266	72,648	20,196	16,988	21,349	21,277	21,142	20,823	21,871	20,521	79,887	58,608	75,281
258,334	0,204	0,596	0,514	0,186	0,271	72,624	20,101	19,625	21,333	21,284	21,123	20,823	21,863	20,517	79,922	58,603	75,255

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
252,334	55,034	0,357	0,354	8252,299	8757,696	31,857	9,506	509,118	6,909	10,746	4,232	2017-09-15 14:18
252,500	55,031	0,357	0,355	8275,533	8761,093	29,091	9,095	509,117	7,391	10,798	4,242	2017-09-15 14:18
252,667	55,034	0,357	0,355	8278,913	8760,453	34,532	8,736	509,118	7,523	10,955	4,273	2017-09-15 14:18
252,834	55,035	0,357	0,354	8276,584	8764,813	38,976	8,372	509,117	7,367	10,988	4,279	2017-09-15 14:18
253,000	55,036	0,357	0,354	8278,059	8754,338	73,133	8,212	509,117	7,570	10,942	4,270	2017-09-15 14:18
253,167	55,040	0,357	0,354	8277,239	8763,877	41,068	8,250	509,117	7,178	10,875	4,257	2017-09-15 14:18
253,334	55,042	0,357	0,354	8275,489	8756,508	47,933	8,397	509,117	7,372	10,630	4,209	2017-09-15 14:19
253,500	55,042	0,357	0,354	8277,246	8746,197	58,846	8,747	509,118	7,452	10,796	4,242	2017-09-15 14:19
253,667	55,039	0,357	0,354	8274,392	8751,095	42,423	9,107	509,024	7,007	10,732	4,229	2017-09-15 14:19
253,834	55,036	0,357	0,354	8264,642	8754,354	39,803	9,589	509,117	7,172	10,681	4,219	2017-09-15 14:19
254,000	55,034	0,357	0,354	8262,521	8758,942	36,391	10,005	509,024	7,127	10,971	4,276	2017-09-15 14:19
254,167	55,031	0,357	0,354	8259,666	8733,184	33,910	9,847	509,024	7,127	11,011	4,284	2017-09-15 14:19
254,333	55,031	0,357	0,354	8271,457	8766,414	34,949	9,284	509,024	7,284	10,816	4,246	2017-09-15 14:20
254,500	55,031	0,357	0,355	8274,313	8748,378	32,215	8,699	509,024	7,605	10,938	4,270	2017-09-15 14:20
254,667	55,031	0,357	0,355	8279,900	8753,989	46,258	8,548	509,024	6,846	10,808	4,244	2017-09-15 14:20
254,833	55,024	0,357	0,354	8277,398	8778,207	30,332	8,840	509,024	7,405	10,700	4,223	2017-09-15 14:20
255,000	55,011	0,357	0,354	8283,708	8761,030	28,414	9,209	509,024	7,132	10,810	4,245	2017-09-15 14:20
255,167	54,996	0,357	0,354	8283,298	8770,443	26,996	9,555	509,024	7,582	10,952	4,272	2017-09-15 14:20
255,333	54,985	0,357	0,354	8291,845	8785,818	29,925	9,617	509,117	6,993	10,607	4,204	2017-09-15 14:21
255,500	54,972	0,357	0,355	8306,274	8793,760	34,730	9,073	509,024	7,379	10,445	4,172	2017-09-15 14:21
255,667	54,965	0,357	0,355	8324,117	8801,799	34,737	8,414	509,024	7,282	10,668	4,217	2017-09-15 14:21
255,833	54,961	0,357	0,354	8315,625	8771,482	50,046	7,842	509,024	7,479	11,043	4,290	2017-09-15 14:21
256,000	54,957	0,357	0,354	8314,560	8777,248	61,574	7,375	509,024	7,370	10,713	4,226	2017-09-15 14:21
256,167	54,952	0,357	0,354	8328,865	8761,975	56,779	7,475	509,024	7,270	10,792	4,241	2017-09-15 14:21
256,333	54,948	0,357	0,355	8339,464	8759,369	60,948	7,881	509,023	7,577	10,767	4,236	2017-09-15 14:22
256,500	54,948	0,357	0,355	8337,258	8758,978	37,489	8,304	509,024	7,433	10,606	4,204	2017-09-15 14:22
256,667	54,943	0,357	0,354	8320,664	8753,964	43,124	8,628	509,024	7,326	10,757	4,234	2017-09-15 14:22
256,833	54,937	0,357	0,354	8318,947	8728,124	50,143	8,670	509,023	7,355	10,697	4,222	2017-09-15 14:22
257,000	54,929	0,357	0,354	8317,264	8720,583	46,689	8,803	508,930	7,494	10,617	4,206	2017-09-15 14:22
257,167	54,916	0,357	0,354	8319,768	8717,590	62,606	8,765	509,024	7,143	10,812	4,245	2017-09-15 14:22
257,333	54,908	0,358	0,354	8315,379	8727,101	56,532	8,806	508,930	7,177	10,859	4,254	2017-09-15 14:23
257,500	54,901	0,357	0,354	8303,142	8715,865	58,652	8,656	508,929	7,179	10,696	4,222	2017-09-15 14:23
257,667	54,893	0,357	0,354	8297,745	8680,577	57,439	8,533	508,930	7,210	10,813	4,245	2017-09-15 14:23
257,833	54,886	0,357	0,354	8288,912	8677,910	66,125	8,540	508,930	7,402	10,703	4,223	2017-09-15 14:23
258,000	54,885	0,357	0,354	8287,390	8691,746	42,725	8,960	508,929	7,089	10,756	4,234	2017-09-15 14:23
258,167	54,880	0,357	0,354	8276,087	8695,852	26,975	9,524	508,930	7,102	10,648	4,213	2017-09-15 14:23
258,334	54,877	0,357	0,354	8264,661	8711,380	33,886	9,901	508,930	7,440	10,837	4,250	2017-09-15 14:24

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
258,500	0,206	0,590	0,514	0,186	0,272	72,563	20,115	14,759	21,345	21,281	21,114	20,831	21,864	20,516	79,919	58,594	75,235
258,667	0,206	0,571	0,514	0,178	0,276	72,582	20,171	19,770	21,342	21,273	21,122	20,814	21,869	20,516	79,904	58,583	75,225
258,834	0,206	0,564	0,514	0,188	0,271	72,622	20,190	17,465	21,331	21,269	21,125	20,822	21,885	20,517	79,908	58,577	75,235
259,000	0,205	0,560	0,514	0,178	0,272	72,708	20,205	16,678	21,348	21,301	21,125	20,822	21,881	20,519	79,877	58,581	75,233
259,167	0,206	0,573	0,514	0,183	0,276	72,663	20,178	17,702	21,329	21,282	21,131	20,831	21,876	20,519	79,868	58,567	75,229
259,334	0,206	0,582	0,514	0,178	0,270	72,606	20,200	15,951	21,339	21,277	21,115	20,818	21,881	20,519	79,909	58,556	75,221
259,500	0,206	0,554	0,514	0,180	0,267	72,578	20,174	19,393	21,331	21,281	21,110	20,822	21,877	20,515	79,891	58,549	75,213
259,667	0,207	0,526	0,514	0,180	0,272	72,568	20,198	18,000	21,333	21,297	21,123	20,827	21,880	20,521	79,893	58,548	75,208
259,834	0,212	0,516	0,514	0,181	0,273	72,573	20,177	14,839	21,341	21,264	21,121	20,824	21,880	20,516	79,854	58,544	75,208
260,000	0,211	0,524	0,514	0,185	0,262	72,562	20,221	18,194	21,336	21,265	21,132	20,826	21,868	20,516	79,822	58,536	75,205
260,167	0,209	0,535	0,514	0,187	0,268	72,541	20,207	16,310	21,366	21,284	21,135	20,834	21,881	20,527	79,819	58,534	75,204
260,334	0,207	0,538	0,514	0,190	0,276	72,566	20,271	16,753	21,345	21,267	21,114	20,830	21,876	20,521	79,815	58,536	75,198
260,500	0,209	0,532	0,514	0,181	0,273	72,556	20,290	14,194	21,340	21,294	21,123	20,831	21,887	20,524	79,758	58,532	75,183
260,667	0,206	0,535	0,514	0,182	0,270	72,591	20,266	16,927	21,341	21,279	21,117	20,823	21,868	20,517	79,729	58,529	75,159
260,833	0,205	0,554	0,514	0,185	0,271	72,626	20,258	16,542	21,343	21,293	21,136	20,822	21,891	20,527	79,743	58,522	75,147
261,000	0,205	0,572	0,514	0,185	0,266	72,554	20,204	14,856	21,332	21,289	21,121	20,820	21,860	20,521	79,715	58,516	75,133
261,167	0,205	0,566	0,514	0,183	0,276	72,488	20,233	15,563	21,344	21,276	21,127	20,832	21,880	20,520	79,738	58,518	75,115
261,333	0,205	0,543	0,514	0,189	0,273	72,518	20,208	15,218	21,333	21,284	21,110	20,817	21,870	20,523	79,750	58,517	75,102
261,500	0,208	0,528	0,514	0,185	0,268	72,499	20,206	16,618	21,343	21,280	21,131	20,835	21,888	20,524	79,681	58,512	75,100
261,667	0,208	0,524	0,514	0,185	0,264	72,501	20,270	19,381	21,339	21,283	21,135	20,831	21,876	20,523	79,642	58,516	75,085
261,833	0,205	0,533	0,514	0,180	0,268	72,485	20,275	14,826	21,354	21,285	21,130	20,826	21,894	20,528	79,636	58,513	75,075
262,000	0,205	0,540	0,514	0,183	0,268	72,476	20,301	21,674	21,346	21,294	21,142	20,838	21,884	20,525	79,656	58,516	75,071
262,167	0,204	0,555	0,514	0,179	0,271	72,453	20,246	15,867	21,340	21,281	21,127	20,822	21,864	20,517	79,665	58,509	75,054
262,333	0,204	0,573	0,514	0,180	0,272	72,423	20,228	19,709	21,342	21,286	21,139	20,806	21,870	20,521	79,700	58,501	75,035
262,500	0,204	0,582	0,514	0,185	0,271	72,409	20,221	16,220	21,346	21,288	21,123	20,834	21,879	20,523	79,664	58,491	75,019
262,667	0,203	0,581	0,514	0,183	0,271	72,433	20,234	15,942	21,350	21,290	21,114	20,819	21,862	20,520	79,708	58,485	75,007
262,833	0,203	0,577	0,514	0,182	0,265	72,512	20,260	18,024	21,354	21,289	21,135	20,826	21,874	20,527	79,727	58,477	75,008
263,000	0,203	0,583	0,514	0,180	0,265	72,557	20,308	15,917	21,362	21,300	21,126	20,843	21,875	20,538	79,699	58,489	75,015
263,167	0,203	0,579	0,514	0,183	0,267	72,500	20,302	19,839	21,344	21,288	21,137	20,834	21,861	20,529	79,749	58,489	75,016
263,333	0,203	0,569	0,513	0,183	0,268	72,532	20,310	17,824	21,336	21,288	21,133	20,830	21,864	20,528	79,718	58,490	75,015
263,500	0,203	0,577	0,514	0,181	0,263	72,515	20,328	13,683	21,331	21,277	21,127	20,802	21,855	20,520	79,729	58,487	75,027
263,667	0,203	0,583	0,514	0,185	0,272	72,583	20,345	16,941	21,335	21,297	21,118	20,810	21,855	20,521	79,708	58,486	75,032
263,833	0,203	0,594	0,514	0,179	0,272	72,625	20,328	17,414	21,348	21,311	21,123	20,828	21,863	20,527	79,784	58,482	75,040
264,000	0,204	0,581	0,514	0,179	0,275	72,682	20,303	17,091	21,341	21,292	21,122	20,827	21,858	20,523	79,802	58,477	75,051
264,167	0,205	0,560	0,513	0,186	0,270	72,737	20,315	18,746	21,349	21,290	21,127	20,819	21,850	20,519	79,811	58,481	75,051
264,333	0,206	0,552	0,513	0,185	0,272	72,756	20,293	16,070	21,341	21,289	21,122	20,828	21,855	20,520	79,780	58,479	75,059
264,500	0,204	0,563	0,513	0,173	0,270	72,761	20,276	16,929	21,335	21,282	21,115	20,823	21,858	20,521	79,802	58,482	75,083

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
258,500	54,876	0,357	0,354	8259,075	8713,720	43,743	9,760	508,930	7,450	10,885	4,259	2017-09-15 14:24
258,667	54,873	0,357	0,354	8260,105	8715,958	45,425	9,285	508,929	7,126	11,041	4,290	2017-09-15 14:24
258,834	54,869	0,357	0,354	8260,342	8708,427	42,534	9,095	508,929	7,512	10,822	4,247	2017-09-15 14:24
259,000	54,862	0,357	0,354	8269,266	8700,945	37,100	9,010	508,930	7,128	10,861	4,255	2017-09-15 14:24
259,167	54,853	0,357	0,354	8266,202	8702,312	42,920	9,327	508,930	7,310	11,026	4,287	2017-09-15 14:24
259,334	54,848	0,357	0,354	8272,479	8726,889	45,438	9,549	508,929	7,123	10,785	4,240	2017-09-15 14:25
259,500	54,839	0,356	0,354	8262,980	8707,739	44,580	8,838	508,837	7,186	10,683	4,220	2017-09-15 14:25
259,667	54,835	0,357	0,354	8263,074	8716,043	53,166	8,156	508,930	7,215	10,874	4,257	2017-09-15 14:25
259,834	54,833	0,357	0,354	8270,067	8710,721	82,737	7,892	508,930	7,240	10,910	4,264	2017-09-15 14:25
260,000	54,834	0,357	0,354	8261,883	8689,653	75,663	8,095	508,930	7,411	10,496	4,182	2017-09-15 14:25
260,167	54,842	0,357	0,354	8251,316	8694,224	62,911	8,379	508,929	7,490	10,727	4,228	2017-09-15 14:25
260,334	54,848	0,357	0,354	8253,667	8691,404	54,034	8,442	508,930	7,596	11,029	4,287	2017-09-15 14:26
260,500	54,850	0,357	0,354	8248,638	8674,993	64,666	8,296	508,836	7,250	10,901	4,262	2017-09-15 14:26
260,667	54,853	0,357	0,354	8240,618	8669,917	46,265	8,380	508,837	7,271	10,785	4,240	2017-09-15 14:26
260,833	54,852	0,357	0,354	8241,457	8669,168	38,093	8,862	508,836	7,396	10,825	4,248	2017-09-15 14:26
261,000	54,848	0,356	0,354	8227,979	8650,498	37,656	9,289	508,837	7,414	10,637	4,210	2017-09-15 14:26
261,167	54,841	0,356	0,354	8219,465	8659,647	38,295	9,150	508,929	7,333	11,030	4,288	2017-09-15 14:26
261,333	54,837	0,357	0,354	8218,271	8670,278	41,853	8,579	508,836	7,550	10,914	4,265	2017-09-15 14:27
261,500	54,831	0,357	0,354	8228,178	8653,303	56,112	8,194	508,836	7,411	10,725	4,228	2017-09-15 14:27
261,667	54,833	0,357	0,354	8218,018	8627,539	56,946	8,092	508,836	7,387	10,551	4,194	2017-09-15 14:27
261,833	54,831	0,357	0,354	8216,829	8636,940	39,157	8,313	508,836	7,217	10,713	4,225	2017-09-15 14:27
262,000	54,833	0,357	0,354	8205,848	8627,721	37,677	8,510	508,836	7,325	10,720	4,227	2017-09-15 14:27
262,167	54,834	0,356	0,354	8197,534	8629,245	33,333	8,879	508,836	7,149	10,845	4,252	2017-09-15 14:27
262,333	54,835	0,356	0,354	8189,944	8650,521	30,960	9,325	508,836	7,182	10,866	4,256	2017-09-15 14:28
262,500	54,839	0,357	0,354	8178,158	8641,872	30,345	9,548	508,836	7,412	10,843	4,251	2017-09-15 14:28
262,667	54,841	0,356	0,354	8182,089	8660,477	29,498	9,529	508,836	7,304	10,852	4,253	2017-09-15 14:28
262,833	54,838	0,357	0,354	8180,805	8674,521	26,795	9,437	508,836	7,295	10,585	4,200	2017-09-15 14:28
263,000	54,837	0,357	0,354	8179,065	8657,318	23,859	9,579	508,837	7,181	10,587	4,201	2017-09-15 14:28
263,167	54,835	0,357	0,354	8183,733	8676,864	27,194	9,479	508,836	7,322	10,678	4,219	2017-09-15 14:28
263,333	54,830	0,357	0,354	8186,829	8671,111	25,738	9,236	508,742	7,323	10,718	4,226	2017-09-15 14:29
263,500	54,830	0,357	0,354	8199,902	8684,988	28,976	9,414	508,836	7,247	10,530	4,189	2017-09-15 14:29
263,667	54,827	0,357	0,354	8196,528	8665,907	28,247	9,579	508,836	7,413	10,893	4,261	2017-09-15 14:29
263,833	54,831	0,357	0,354	8209,239	8705,374	28,459	9,859	508,836	7,168	10,869	4,256	2017-09-15 14:29
264,000	54,830	0,357	0,354	8208,965	8709,386	32,031	9,533	508,836	7,154	11,015	4,285	2017-09-15 14:29
264,167	54,831	0,357	0,354	8204,031	8711,585	36,850	9,011	508,750	7,455	10,783	4,239	2017-09-15 14:29
264,333	54,833	0,357	0,354	8197,336	8697,307	43,177	8,807	508,742	7,416	10,874	4,257	2017-09-15 14:30
264,500	54,834	0,357	0,354	8219,032	8707,174	35,550	9,072	508,742	6,920	10,816	4,246	2017-09-15 14:30

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
264,667	0,203	0,574	0,513	0,184	0,269	72,755	20,318	18,673	21,348	21,312	21,159	20,851	21,869	20,536	79,862	58,485	75,100
264,833	0,203	0,585	0,513	0,186	0,269	72,725	20,285	19,441	21,343	21,297	21,129	20,826	21,858	20,525	79,839	58,486	75,106
265,000	0,203	0,580	0,513	0,186	0,274	72,659	20,289	15,862	21,333	21,288	21,125	20,828	21,843	20,519	79,885	58,486	75,104
265,167	0,204	0,562	0,513	0,189	0,272	72,678	20,185	15,804	21,335	21,286	21,126	20,835	21,859	20,525	79,841	58,490	75,120
265,334	0,205	0,555	0,513	0,183	0,269	72,727	20,225	17,864	21,327	21,293	21,136	20,834	21,854	20,527	79,901	58,497	75,131
265,500	0,207	0,552	0,513	0,182	0,273	72,717	20,272	18,520	21,328	21,284	21,129	20,836	21,854	20,521	79,853	58,494	75,136
265,667	0,206	0,554	0,513	0,175	0,266	72,716	20,294	20,711	21,324	21,297	21,119	20,827	21,849	20,520	79,874	58,495	75,150
265,834	0,203	0,559	0,513	0,173	0,269	72,736	20,286	15,229	21,336	21,288	21,123	20,824	21,853	20,521	79,866	58,497	75,159
266,000	0,203	0,582	0,513	0,183	0,271	72,727	20,280	21,906	21,336	21,292	21,135	20,841	21,854	20,524	79,889	58,502	75,159
266,167	0,202	0,608	0,513	0,182	0,271	72,746	20,277	14,969	21,335	21,294	21,118	20,837	21,849	20,523	79,878	58,508	75,158
266,334	0,202	0,616	0,513	0,174	0,268	72,794	20,292	20,334	21,339	21,314	21,116	20,831	21,850	20,527	79,963	58,505	75,159
266,500	0,202	0,603	0,513	0,181	0,268	72,761	20,315	22,185	21,337	21,309	21,130	20,826	21,845	20,524	80,005	58,508	75,164
266,667	0,202	0,595	0,513	0,192	0,271	72,768	20,351	16,386	21,339	21,296	21,135	20,810	21,849	20,525	80,043	58,509	75,173
266,834	0,204	0,582	0,513	0,184	0,269	72,809	20,315	20,596	21,341	21,294	21,140	20,818	21,859	20,525	80,059	58,505	75,197
267,000	0,204	0,580	0,513	0,184	0,274	72,794	20,301	17,663	21,345	21,300	21,127	20,838	21,840	20,525	80,096	58,505	75,232
267,167	0,205	0,590	0,513	0,179	0,272	72,750	20,311	18,480	21,347	21,292	21,146	20,832	21,854	20,527	80,066	58,505	75,258
267,334	0,204	0,592	0,513	0,178	0,273	72,801	20,220	13,177	21,349	21,288	21,138	20,827	21,848	20,531	80,132	58,505	75,279
267,500	0,204	0,588	0,513	0,185	0,270	72,739	20,233	18,385	21,351	21,298	21,138	20,832	21,857	20,531	80,138	58,506	75,291
267,667	0,204	0,577	0,513	0,183	0,273	72,726	20,290	17,551	21,363	21,312	21,149	20,850	21,867	20,545	80,119	58,508	75,312
267,833	0,204	0,557	0,513	0,177	0,273	72,688	20,264	15,827	21,339	21,311	21,121	20,830	21,859	20,528	80,100	58,512	75,321
268,000	0,205	0,551	0,513	0,179	0,264	72,668	20,270	18,903	21,331	21,293	21,139	20,830	21,849	20,527	80,077	58,513	75,341
268,167	0,203	0,564	0,513	0,182	0,274	72,682	20,298	14,500	21,339	21,293	21,131	20,826	21,846	20,527	80,131	58,520	75,347
268,333	0,203	0,585	0,513	0,186	0,272	72,677	20,242	18,415	21,339	21,304	21,144	20,836	21,846	20,534	80,179	58,526	75,349
268,500	0,203	0,600	0,513	0,185	0,268	72,725	20,253	16,711	21,339	21,302	21,131	20,815	21,855	20,531	80,178	58,533	75,352
268,667	0,203	0,602	0,513	0,181	0,272	72,758	20,272	20,810	21,336	21,303	21,138	20,822	21,853	20,527	80,205	58,534	75,354
268,833	0,204	0,591	0,513	0,179	0,272	72,721	20,331	17,758	21,343	21,310	21,123	20,838	21,849	20,531	80,198	58,530	75,366
269,000	0,203	0,575	0,512	0,185	0,268	72,799	20,326	21,368	21,357	21,311	21,152	20,827	21,857	20,534	80,156	58,532	75,378
269,167	0,203	0,575	0,512	0,183	0,267	72,801	20,231	15,675	21,340	21,294	21,124	20,834	21,861	20,533	80,179	58,532	75,387
269,333	0,204	0,562	0,513	0,180	0,267	72,711	20,268	17,796	21,348	21,308	21,147	20,830	21,854	20,532	80,209	58,530	75,398
269,500	0,205	0,549	0,512	0,186	0,272	72,697	20,309	16,820	21,351	21,301	21,141	20,838	21,855	20,533	80,170	58,529	75,406
269,667	0,204	0,554	0,512	0,184	0,271	72,659	20,336	19,745	21,340	21,297	21,154	20,836	21,867	20,536	80,205	58,537	75,401
269,833	0,203	0,571	0,512	0,181	0,275	72,694	20,352	14,104	21,355	21,313	21,146	20,839	21,858	20,541	80,173	58,542	75,409
270,000	0,204	0,605	0,512	0,186	0,275	72,671	20,342	17,084	21,349	21,302	21,147	20,829	21,844	20,533	80,212	58,553	75,416
270,167	0,205	0,606	0,512	0,179	0,272	72,647	20,361	19,125	21,359	21,314	21,162	20,844	21,869	20,540	80,189	58,567	75,420
270,333	0,206	0,597	0,512	0,191	0,265	72,610	20,343	16,638	21,360	21,314	21,163	20,830	21,852	20,541	80,198	58,577	75,414
270,500	0,204	0,581	0,512	0,189	0,272	72,619	20,357	19,702	21,348	21,315	21,158	20,846	21,854	20,538	80,212	58,580	75,418
270,667	0,203	0,582	0,512	0,178	0,272	72,606	20,374	19,596	21,343	21,309	21,146	20,819	21,845	20,532	80,236	58,587	75,433

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
264,667	54,835	0,357	0,354	8233,222	8731,790	26,353	9,343	508,742	7,354	10,748	4,232	2017-09-15 14:30
264,833	54,834	0,357	0,354	8232,763	8716,442	28,035	9,636	508,742	7,423	10,766	4,236	2017-09-15 14:30
265,000	54,833	0,357	0,354	8220,470	8745,780	27,809	9,510	508,742	7,452	10,963	4,274	2017-09-15 14:30
265,167	54,833	0,356	0,354	8230,837	8709,771	34,966	9,061	508,742	7,543	10,891	4,260	2017-09-15 14:30
265,334	54,830	0,356	0,354	8226,653	8734,380	39,348	8,882	508,742	7,306	10,763	4,235	2017-09-15 14:31
265,500	54,829	0,357	0,354	8234,627	8722,520	48,784	8,790	508,742	7,260	10,928	4,268	2017-09-15 14:31
265,667	54,827	0,357	0,354	8245,722	8735,969	45,244	8,853	508,741	6,992	10,657	4,214	2017-09-15 14:31
265,834	54,827	0,357	0,354	8245,981	8723,920	28,563	8,964	508,741	6,904	10,775	4,238	2017-09-15 14:31
266,000	54,825	0,356	0,354	8246,249	8725,700	25,717	9,538	508,742	7,336	10,828	4,248	2017-09-15 14:31
266,167	54,833	0,357	0,354	8237,991	8723,586	22,570	10,205	508,648	7,276	10,827	4,248	2017-09-15 14:31
266,334	54,830	0,356	0,354	8243,405	8755,811	19,835	10,402	508,742	6,975	10,712	4,225	2017-09-15 14:32
266,500	54,833	0,357	0,354	8251,034	8780,010	19,609	10,084	508,648	7,240	10,737	4,230	2017-09-15 14:32
266,667	54,833	0,357	0,354	8247,794	8794,289	23,195	9,885	508,648	7,679	10,843	4,251	2017-09-15 14:32
266,834	54,827	0,356	0,354	8260,502	8794,094	32,621	9,550	508,648	7,354	10,746	4,232	2017-09-15 14:32
267,000	54,830	0,356	0,354	8276,613	8810,509	33,677	9,491	508,648	7,364	10,968	4,275	2017-09-15 14:32
267,167	54,829	0,356	0,353	8276,589	8791,656	36,356	9,745	508,648	7,161	10,884	4,259	2017-09-15 14:32
267,334	54,827	0,356	0,354	8288,036	8823,890	33,677	9,795	508,648	7,103	10,928	4,268	2017-09-15 14:33
267,500	54,825	0,357	0,354	8302,947	8830,112	30,530	9,688	508,648	7,412	10,809	4,244	2017-09-15 14:33
267,667	54,829	0,357	0,354	8305,912	8822,714	30,328	9,426	508,648	7,301	10,928	4,268	2017-09-15 14:33
267,833	54,826	0,357	0,354	8318,923	8812,443	30,113	8,917	508,648	7,091	10,925	4,267	2017-09-15 14:33
268,000	54,827	0,357	0,354	8322,993	8803,386	39,667	8,765	508,648	7,156	10,544	4,192	2017-09-15 14:33
268,167	54,827	0,357	0,354	8321,379	8827,910	24,463	9,110	508,648	7,290	10,958	4,274	2017-09-15 14:33
268,333	54,829	0,356	0,354	8324,893	8835,851	28,653	9,616	508,648	7,422	10,865	4,255	2017-09-15 14:34
268,500	54,826	0,356	0,354	8326,430	8831,895	24,880	10,012	508,648	7,397	10,723	4,227	2017-09-15 14:34
268,667	54,826	0,357	0,354	8327,635	8849,129	28,660	10,051	508,648	7,251	10,869	4,256	2017-09-15 14:34
268,833	54,830	0,356	0,354	8328,782	8842,805	33,330	9,763	508,648	7,164	10,868	4,256	2017-09-15 14:34
269,000	54,835	0,357	0,354	8335,164	8827,313	27,611	9,378	508,554	7,405	10,714	4,226	2017-09-15 14:34
269,167	54,849	0,357	0,353	8320,139	8836,694	29,077	9,373	508,554	7,325	10,691	4,221	2017-09-15 14:34
269,333	54,864	0,357	0,354	8332,711	8862,516	29,970	9,046	508,648	7,215	10,673	4,218	2017-09-15 14:35
269,500	54,880	0,357	0,354	8338,986	8855,311	38,740	8,716	508,554	7,449	10,869	4,256	2017-09-15 14:35
269,667	54,890	0,357	0,355	8335,368	8866,364	33,497	8,849	508,554	7,353	10,835	4,250	2017-09-15 14:35
269,833	54,894	0,357	0,354	8325,974	8844,118	23,876	9,286	508,554	7,249	11,006	4,283	2017-09-15 14:35
270,000	54,901	0,357	0,354	8328,112	8847,190	35,158	10,119	508,554	7,457	10,985	4,279	2017-09-15 14:35
270,167	54,906	0,357	0,354	8328,394	8836,194	39,261	10,145	508,554	7,174	10,874	4,257	2017-09-15 14:35
270,333	54,909	0,357	0,354	8330,211	8828,635	48,294	9,919	508,554	7,659	10,609	4,205	2017-09-15 14:36
270,500	54,910	0,357	0,354	8316,463	8831,524	32,447	9,521	508,554	7,548	10,884	4,259	2017-09-15 14:36
270,667	54,917	0,357	0,354	8325,038	8841,105	29,925	9,543	508,555	7,128	10,882	4,259	2017-09-15 14:36

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
270,833	0,204	0,583	0,512	0,189	0,277	72,596	20,322	15,933	21,332	21,309	21,134	20,828	21,850	20,529	80,248	58,587	75,440
271,000	0,204	0,577	0,512	0,188	0,274	72,669	20,339	18,662	21,334	21,310	21,139	20,835	21,845	20,531	80,237	58,594	75,444
271,167	0,204	0,563	0,512	0,185	0,274	72,673	20,327	16,965	21,337	21,305	21,147	20,826	21,840	20,532	80,201	58,599	75,445
271,333	0,204	0,565	0,512	0,183	0,272	72,705	20,306	21,151	21,337	21,305	21,138	20,840	21,842	20,528	80,259	58,603	75,456
271,500	0,203	0,578	0,512	0,188	0,273	72,666	20,309	17,686	21,347	21,304	21,142	20,831	21,854	20,532	80,260	58,608	75,467
271,667	0,203	0,579	0,512	0,181	0,266	72,591	20,297	16,765	21,352	21,302	21,146	20,818	21,848	20,532	80,224	58,618	75,467
271,833	0,202	0,573	0,512	0,179	0,272	72,619	20,332	16,449	21,349	21,296	21,117	20,826	21,844	20,531	80,227	58,612	75,467
272,000	0,202	0,558	0,512	0,189	0,271	72,615	20,347	17,282	21,369	21,306	21,137	20,825	21,841	20,532	80,167	58,620	75,467
272,167	0,203	0,547	0,512	0,192	0,273	72,624	20,370	15,854	21,366	21,322	21,138	20,836	21,844	20,537	80,202	58,623	75,467
272,334	0,203	0,552	0,512	0,187	0,266	72,644	20,334	17,741	21,352	21,322	21,130	20,829	21,837	20,533	80,196	58,637	75,476
272,500	0,203	0,562	0,512	0,180	0,269	72,636	20,263	20,915	21,364	21,317	21,147	20,843	21,849	20,542	80,171	58,645	75,475
272,667	0,203	0,578	0,512	0,184	0,268	72,638	20,314	26,160	21,365	21,327	21,151	20,847	21,850	20,546	80,247	58,649	75,466
272,834	0,203	0,590	0,512	0,178	0,268	72,661	20,309	16,164	21,357	21,319	21,142	20,827	21,839	20,537	80,232	58,658	75,459
273,000	0,203	0,594	0,511	0,177	0,268	72,647	20,344	17,323	21,356	21,313	21,144	20,842	21,835	20,536	80,244	58,666	75,452
273,167	0,203	0,598	0,512	0,178	0,271	72,615	20,301	18,766	21,358	21,319	21,137	20,839	21,852	20,536	80,210	58,674	75,452
273,334	0,203	0,590	0,512	0,175	0,269	72,651	20,368	23,108	21,348	21,313	21,126	20,832	21,846	20,533	80,263	58,678	75,468
273,500	0,204	0,578	0,512	0,194	0,269	72,591	20,387	17,422	21,355	21,325	21,141	20,833	21,848	20,541	80,279	58,673	75,479
273,667	0,204	0,556	0,512	0,197	0,272	72,561	20,330	18,248	21,354	21,319	21,152	20,827	21,861	20,533	80,243	58,680	75,486
273,834	0,204	0,556	0,511	0,183	0,273	72,574	20,343	18,409	21,357	21,314	21,133	20,834	21,842	20,534	80,268	58,681	75,493
274,000	0,203	0,577	0,512	0,178	0,276	72,589	20,350	20,013	21,364	21,317	21,147	20,851	21,832	20,538	80,223	58,689	75,507
274,167	0,203	0,592	0,512	0,188	0,273	72,521	20,359	18,164	21,352	21,319	21,142	20,831	21,836	20,534	80,264	58,693	75,517
274,333	0,205	0,594	0,511	0,187	0,269	72,538	20,323	21,177	21,349	21,325	21,154	20,825	21,839	20,536	80,273	58,704	75,514
274,500	0,204	0,574	0,512	0,181	0,271	72,551	20,343	23,451	21,356	21,318	21,142	20,835	21,832	20,536	80,251	58,712	75,518
274,667	0,204	0,555	0,512	0,186	0,275	72,507	20,376	24,107	21,351	21,316	21,158	20,835	21,844	20,541	80,255	58,718	75,521
274,833	0,205	0,549	0,511	0,186	0,272	72,416	20,380	19,374	21,362	21,321	21,146	20,833	21,836	20,537	80,209	58,724	75,518
275,000	0,205	0,554	0,511	0,178	0,274	72,422	20,373	17,155	21,364	21,334	21,146	20,847	21,841	20,537	80,254	58,718	75,517
275,167	0,204	0,571	0,512	0,179	0,273	72,411	20,342	13,659	21,358	21,332	21,137	20,844	21,845	20,534	80,258	58,716	75,514
275,333	0,203	0,603	0,511	0,172	0,267	72,412	20,338	18,894	21,372	21,330	21,158	20,839	21,841	20,540	80,233	58,721	75,514
275,500	0,204	0,619	0,511	0,187	0,268	72,405	20,344	18,017	21,365	21,334	21,135	20,833	21,853	20,534	80,262	58,723	75,498
275,667	0,205	0,609	0,511	0,185	0,275	72,420	20,357	17,319	21,364	21,319	21,148	20,829	21,846	20,534	80,255	58,721	75,495
275,833	0,204	0,580	0,511	0,181	0,267	72,397	20,368	25,562	21,369	21,336	21,137	20,834	21,842	20,534	80,255	58,714	75,497
276,000	0,206	0,552	0,511	0,178	0,270	72,437	20,380	23,815	21,362	21,334	21,150	20,843	21,841	20,538	80,251	58,725	75,505
276,167	0,205	0,549	0,511	0,190	0,269	72,497	20,332	17,270	21,372	21,335	21,130	20,833	21,853	20,536	80,189	58,727	75,507
276,333	0,204	0,561	0,511	0,187	0,266	72,493	20,298	21,114	21,362	21,332	21,137	20,830	21,832	20,534	80,183	58,729	75,511
276,500	0,205	0,568	0,511	0,181	0,268	72,503	20,286	23,759	21,368	21,339	21,148	20,851	21,840	20,538	80,219	58,732	75,517
276,667	0,204	0,569	0,511	0,180	0,273	72,482	20,348	23,349	21,379	21,351	21,142	20,842	21,857	20,538	80,209	58,725	75,513
276,833	0,204	0,560	0,511	0,179	0,271	72,446	20,378	25,202	21,375	21,332	21,139	20,843	21,826	20,537	80,144	58,721	75,507

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
270,833	54,920	0,357	0,354	8330,310	8843,657	31,596	9,563	508,554	7,549	11,090	4,299	2017-09-15 14:36
271,000	54,927	0,357	0,354	8332,187	8850,208	36,009	9,419	508,554	7,530	10,978	4,278	2017-09-15 14:36
271,167	54,932	0,357	0,354	8329,898	8833,951	32,639	9,076	508,554	7,390	10,952	4,272	2017-09-15 14:36
271,333	54,944	0,357	0,354	8329,989	8846,011	33,486	9,115	508,554	7,316	10,895	4,261	2017-09-15 14:37
271,500	54,955	0,357	0,354	8327,867	8851,329	27,820	9,439	508,554	7,523	10,905	4,263	2017-09-15 14:37
271,667	54,961	0,357	0,354	8319,837	8825,543	23,803	9,480	508,554	7,258	10,655	4,214	2017-09-15 14:37
271,833	54,967	0,357	0,354	8314,670	8842,591	22,351	9,336	508,461	7,163	10,871	4,256	2017-09-15 14:37
272,000	54,972	0,357	0,354	8320,751	8806,240	22,361	8,942	508,461	7,548	10,856	4,254	2017-09-15 14:37
272,167	54,976	0,357	0,354	8317,601	8816,904	25,071	8,665	508,554	7,669	10,931	4,268	2017-09-15 14:37
272,334	54,981	0,357	0,354	8311,001	8809,234	27,173	8,802	508,461	7,493	10,624	4,208	2017-09-15 14:38
272,500	54,983	0,357	0,354	8321,773	8789,882	26,843	9,053	508,461	7,195	10,742	4,231	2017-09-15 14:38
272,667	54,987	0,357	0,354	8315,633	8832,202	24,654	9,447	508,461	7,351	10,737	4,230	2017-09-15 14:38
272,834	54,995	0,357	0,355	8319,138	8822,881	24,849	9,752	508,554	7,137	10,737	4,230	2017-09-15 14:38
273,000	55,000	0,358	0,354	8305,303	8832,140	23,824	9,855	508,319	7,094	10,710	4,225	2017-09-15 14:38
273,167	55,008	0,357	0,354	8296,928	8808,253	28,205	9,948	508,461	7,133	10,847	4,252	2017-09-15 14:38
273,334	55,018	0,357	0,354	8301,794	8825,754	29,682	9,747	508,461	7,004	10,758	4,234	2017-09-15 14:39
273,500	55,026	0,357	0,354	8290,408	8840,071	30,113	9,447	508,461	7,758	10,749	4,233	2017-09-15 14:39
273,667	55,030	0,357	0,354	8302,520	8803,223	34,716	8,912	508,462	7,879	10,890	4,260	2017-09-15 14:39
273,834	55,030	0,357	0,354	8303,783	8828,376	30,283	8,901	508,319	7,324	10,915	4,265	2017-09-15 14:39
274,000	55,027	0,356	0,353	8296,920	8787,385	29,279	9,421	508,461	7,106	11,052	4,292	2017-09-15 14:39
274,167	55,018	0,357	0,354	8309,681	8809,551	26,735	9,792	508,461	7,528	10,909	4,264	2017-09-15 14:39
274,333	55,018	0,357	0,354	8313,870	8812,358	37,023	9,856	508,319	7,492	10,778	4,238	2017-09-15 14:40
274,500	55,015	0,357	0,354	8324,695	8799,301	31,846	9,340	508,461	7,255	10,849	4,252	2017-09-15 14:40
274,667	55,015	0,357	0,354	8316,885	8798,188	32,420	8,870	508,461	7,442	10,995	4,281	2017-09-15 14:40
274,833	55,018	0,357	0,354	8325,906	8770,498	37,242	8,731	508,319	7,453	10,879	4,258	2017-09-15 14:40
275,000	55,019	0,357	0,354	8310,623	8796,112	39,542	8,861	508,319	7,121	10,957	4,273	2017-09-15 14:40
275,167	55,024	0,357	0,354	8323,646	8798,878	35,978	9,276	508,461	7,175	10,917	4,266	2017-09-15 14:40
275,333	55,030	0,357	0,355	8323,770	8789,118	29,894	10,077	508,319	6,878	10,672	4,217	2017-09-15 14:41
275,500	55,032	0,357	0,354	8306,361	8802,323	30,755	10,478	508,319	7,469	10,705	4,224	2017-09-15 14:41
275,667	55,034	0,357	0,354	8308,506	8805,557	36,394	10,227	508,393	7,393	11,010	4,284	2017-09-15 14:41
275,833	55,030	0,357	0,354	8308,384	8810,489	35,762	9,502	508,319	7,245	10,670	4,217	2017-09-15 14:41
276,000	55,014	0,357	0,354	8304,914	8796,792	47,082	8,810	508,319	7,106	10,797	4,242	2017-09-15 14:41
276,167	54,993	0,357	0,354	8334,362	8765,654	41,234	8,726	508,319	7,594	10,752	4,233	2017-09-15 14:41
276,333	54,980	0,357	0,354	8324,320	8759,931	35,978	9,029	508,319	7,499	10,630	4,209	2017-09-15 14:42
276,500	54,969	0,357	0,354	8339,818	8779,246	40,008	9,207	508,325	7,226	10,726	4,228	2017-09-15 14:42
276,667	54,963	0,358	0,354	8341,758	8794,188	31,860	9,218	508,319	7,208	10,908	4,264	2017-09-15 14:42
276,833	54,960	0,358	0,354	8338,328	8768,408	30,008	9,004	508,319	7,179	10,834	4,249	2017-09-15 14:42

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
277,000	0,203	0,567	0,511	0,187	0,271	72,447	20,369	17,823	21,366	21,360	21,139	20,840	21,824	20,538	80,187	58,714	75,489
277,167	0,203	0,579	0,511	0,180	0,276	72,413	20,282	22,756	21,379	21,339	21,143	20,847	21,835	20,540	80,186	58,709	75,486
277,333	0,203	0,595	0,511	0,183	0,270	72,424	20,322	21,267	21,385	21,352	21,155	20,842	21,843	20,540	80,178	58,698	75,480
277,500	0,203	0,597	0,511	0,187	0,272	72,426	20,331	20,309	21,377	21,351	21,156	20,839	21,836	20,540	80,201	58,688	75,463
277,667	0,205	0,595	0,511	0,188	0,277	72,418	20,347	19,983	21,386	21,361	21,143	20,833	21,829	20,538	80,197	58,682	75,457
277,833	0,204	0,579	0,511	0,178	0,272	72,459	20,322	22,084	21,378	21,351	21,151	20,844	21,850	20,542	80,182	58,673	75,453
278,000	0,204	0,571	0,511	0,181	0,269	72,470	20,351	18,797	21,385	21,361	21,152	20,827	21,839	20,544	80,196	58,671	75,444
278,167	0,204	0,578	0,511	0,178	0,273	72,460	20,381	18,094	21,383	21,357	21,145	20,838	21,841	20,542	80,182	58,666	75,453
278,333	0,204	0,571	0,511	0,178	0,273	72,448	20,373	23,404	21,378	21,352	21,150	20,859	21,857	20,542	80,147	58,665	75,449
278,500	0,206	0,561	0,511	0,180	0,274	72,429	20,351	21,292	21,383	21,353	21,159	20,844	21,835	20,541	80,109	58,661	75,445
278,667	0,206	0,542	0,511	0,181	0,271	72,403	20,356	12,469	21,393	21,355	21,129	20,844	21,854	20,544	80,159	58,659	75,439
278,834	0,207	0,525	0,511	0,184	0,270	72,378	20,380	18,803	21,389	21,374	21,150	20,854	21,844	20,548	80,128	58,657	75,433
279,000	0,209	0,510	0,511	0,176	0,275	72,407	20,347	18,541	21,406	21,367	21,147	20,846	21,855	20,554	80,024	58,651	75,432
279,167	0,208	0,501	0,511	0,179	0,275	72,437	20,407	15,998	21,422	21,372	21,159	20,860	21,849	20,557	80,039	58,645	75,416
279,334	0,206	0,502	0,511	0,186	0,271	72,396	20,392	13,861	21,414	21,384	21,155	20,871	21,859	20,562	79,970	58,631	75,406
279,500	0,205	0,517	0,511	0,183	0,272	72,400	20,322	20,502	21,389	21,381	21,146	20,851	21,845	20,548	79,938	58,620	75,405
279,667	0,205	0,536	0,511	0,182	0,274	72,356	20,370	20,402	21,399	21,382	21,175	20,871	21,859	20,560	79,912	58,622	75,379
279,834	0,205	0,556	0,511	0,181	0,271	72,349	20,398	14,540	21,408	21,368	21,151	20,862	21,847	20,556	79,909	58,618	75,355
280,000	0,203	0,559	0,511	0,180	0,271	72,304	20,419	16,664	21,425	21,380	21,155	20,849	21,853	20,557	79,962	58,622	75,329
280,167	0,204	0,555	0,511	0,180	0,276	72,350	20,396	16,586	21,422	21,365	21,178	20,862	21,846	20,560	79,963	58,616	75,301
280,334	0,204	0,551	0,511	0,170	0,273	72,315	20,401	18,002	21,412	21,372	21,143	20,861	21,841	20,548	79,969	58,610	75,277
280,500	0,204	0,542	0,511	0,180	0,270	72,280	20,403	19,425	21,407	21,386	21,162	20,859	21,853	20,561	79,981	58,611	75,264
280,667	0,205	0,534	0,511	0,186	0,271	72,299	20,393	18,121	21,415	21,378	21,147	20,851	21,841	20,553	79,996	58,596	75,270
280,834	0,205	0,534	0,511	0,179	0,272	72,318	20,399	16,469	21,412	21,397	21,176	20,845	21,856	20,553	79,907	58,594	75,268
281,000	0,205	0,544	0,510	0,176	0,272	72,280	20,411	19,387	21,424	21,391	21,164	20,860	21,858	20,552	79,882	58,584	75,270
281,167	0,204	0,576	0,510	0,174	0,268	72,266	20,446	17,548	21,415	21,368	21,146	20,839	21,843	20,544	79,881	58,575	75,260
281,333	0,204	0,604	0,510	0,183	0,272	72,243	20,420	14,774	21,403	21,372	21,146	20,858	21,835	20,545	79,916	58,569	75,259
281,500	0,204	0,621	0,511	0,180	0,274	72,263	20,399	20,377	21,402	21,382	21,139	20,858	21,844	20,545	79,930	58,565	75,241
281,667	0,203	0,625	0,510	0,185	0,268	72,289	20,402	18,112	21,415	21,389	21,153	20,850	21,844	20,548	79,901	58,568	75,221
281,833	0,204	0,609	0,511	0,190	0,270	72,310	20,401	15,836	21,417	21,384	21,136	20,858	21,857	20,550	79,885	58,564	75,214
282,000	0,204	0,611	0,510	0,177	0,275	72,315	20,394	18,761	21,416	21,377	21,153	20,856	21,849	20,553	79,930	58,557	75,214
282,167	0,204	0,604	0,510	0,189	0,270	72,274	20,411	15,464	21,415	21,402	21,159	20,871	21,860	20,556	79,982	58,552	75,217
282,333	0,204	0,581	0,510	0,180	0,270	72,357	20,354	17,899	21,428	21,395	21,155	20,868	21,848	20,557	80,003	58,547	75,216
282,500	0,206	0,551	0,510	0,180	0,268	72,358	20,389	20,461	21,416	21,391	21,155	20,848	21,835	20,548	79,976	58,544	75,212
282,667	0,205	0,546	0,510	0,181	0,269	72,337	20,388	17,507	21,421	21,386	21,151	20,854	21,849	20,552	79,985	58,540	75,223
282,833	0,203	0,568	0,510	0,186	0,267	72,341	20,368	17,706	21,410	21,402	21,164	20,863	21,848	20,553	79,949	58,541	75,232
283,000	0,204	0,583	0,510	0,180	0,274	72,391	20,351	20,108	21,433	21,399	21,171	20,876	21,856	20,557	79,976	58,537	75,236

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
277,000	54,963	0,357	0,354	8330,388	8771,597	28,014	9,183	508,319	7,464	10,843	4,251	2017-09-15 14:42
277,167	54,960	0,357	0,354	8322,124	8775,405	27,597	9,467	508,319	7,213	11,042	4,290	2017-09-15 14:42
277,333	54,961	0,357	0,354	8334,236	8778,050	29,265	9,881	508,319	7,322	10,801	4,243	2017-09-15 14:43
277,500	54,961	0,357	0,354	8321,990	8800,350	29,477	9,923	508,319	7,496	10,888	4,260	2017-09-15 14:43
277,667	54,961	0,357	0,354	8323,416	8796,989	40,800	9,876	508,225	7,505	11,094	4,300	2017-09-15 14:43
277,833	54,951	0,357	0,354	8313,624	8786,584	33,674	9,482	508,319	7,140	10,886	4,260	2017-09-15 14:43
278,000	54,937	0,357	0,354	8317,403	8785,702	32,017	9,271	508,226	7,242	10,753	4,233	2017-09-15 14:43
278,167	54,929	0,357	0,354	8323,048	8789,993	30,742	9,439	508,226	7,113	10,934	4,269	2017-09-15 14:43
278,333	54,917	0,357	0,354	8333,108	8774,023	31,791	9,264	508,225	7,135	10,905	4,263	2017-09-15 14:44
278,500	54,910	0,357	0,354	8328,918	8757,832	43,937	9,015	508,225	7,193	10,972	4,276	2017-09-15 14:44
278,667	54,904	0,357	0,354	8328,916	8784,893	43,732	8,551	508,225	7,235	10,838	4,250	2017-09-15 14:44
278,834	54,902	0,357	0,354	8331,100	8775,244	54,632	8,115	508,225	7,379	10,789	4,240	2017-09-15 14:44
279,000	54,902	0,357	0,354	8332,018	8739,872	63,982	7,743	508,225	7,022	11,005	4,283	2017-09-15 14:44
279,167	54,905	0,357	0,354	8323,495	8741,810	58,419	7,535	508,226	7,143	10,996	4,281	2017-09-15 14:44
279,334	54,904	0,357	0,354	8324,650	8716,176	47,683	7,559	508,225	7,429	10,836	4,250	2017-09-15 14:45
279,500	54,901	0,357	0,354	8321,593	8708,224	38,302	7,929	508,225	7,316	10,885	4,259	2017-09-15 14:45
279,667	54,900	0,357	0,354	8312,351	8708,319	41,248	8,404	508,226	7,300	10,970	4,276	2017-09-15 14:45
279,834	54,896	0,357	0,354	8296,071	8697,739	36,454	8,897	508,225	7,257	10,828	4,248	2017-09-15 14:45
280,000	54,886	0,357	0,354	8293,089	8710,715	29,915	8,975	508,225	7,190	10,846	4,252	2017-09-15 14:45
280,167	54,881	0,357	0,354	8291,165	8722,528	33,476	8,877	508,225	7,196	11,045	4,290	2017-09-15 14:45
280,334	54,870	0,357	0,354	8279,103	8720,847	34,741	8,774	508,226	6,802	10,915	4,265	2017-09-15 14:46
280,500	54,865	0,357	0,354	8277,006	8725,886	34,296	8,544	508,226	7,201	10,802	4,243	2017-09-15 14:46
280,667	54,860	0,357	0,354	8284,351	8739,572	38,083	8,340	508,225	7,420	10,855	4,253	2017-09-15 14:46
280,834	54,858	0,357	0,354	8282,231	8700,599	41,033	8,354	508,225	7,145	10,861	4,255	2017-09-15 14:46
281,000	54,854	0,357	0,354	8289,507	8702,685	39,977	8,596	508,132	7,027	10,861	4,255	2017-09-15 14:46
281,167	54,852	0,357	0,354	8289,068	8703,874	32,076	9,404	508,132	6,945	10,716	4,226	2017-09-15 14:46
281,333	54,850	0,357	0,354	8285,272	8724,106	31,183	10,112	508,132	7,315	10,878	4,258	2017-09-15 14:47
281,500	54,853	0,357	0,354	8275,562	8720,749	31,176	10,536	508,226	7,181	10,956	4,273	2017-09-15 14:47
281,667	54,846	0,357	0,354	8264,999	8719,445	28,876	10,623	508,132	7,409	10,718	4,227	2017-09-15 14:47
281,833	54,842	0,356	0,354	8257,177	8697,066	30,335	10,236	508,225	7,599	10,819	4,246	2017-09-15 14:47
282,000	54,837	0,356	0,354	8260,190	8714,386	31,186	10,275	508,132	7,071	10,992	4,280	2017-09-15 14:47
282,167	54,829	0,357	0,354	8274,079	8746,296	32,430	10,111	508,132	7,568	10,806	4,244	2017-09-15 14:47
282,333	54,823	0,357	0,354	8277,202	8767,379	34,094	9,520	508,132	7,200	10,795	4,242	2017-09-15 14:48
282,500	54,817	0,357	0,354	8280,601	8752,266	47,725	8,778	508,132	7,204	10,726	4,228	2017-09-15 14:48
282,667	54,813	0,356	0,354	8273,994	8749,353	36,391	8,641	508,132	7,255	10,769	4,236	2017-09-15 14:48
282,833	54,807	0,356	0,354	8288,898	8732,393	28,410	9,191	508,132	7,439	10,696	4,222	2017-09-15 14:48
283,000	54,806	0,356	0,354	8286,002	8745,963	31,158	9,571	508,132	7,211	10,959	4,274	2017-09-15 14:48

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
283,167	0,205	0,582	0,510	0,180	0,280	72,397	20,361	14,525	21,412	21,389	21,136	20,859	21,854	20,549	79,932	58,529	75,235
283,333	0,205	0,582	0,510	0,179	0,283	72,387	20,355	18,605	21,432	21,398	21,157	20,865	21,865	20,552	79,963	58,520	75,239
283,500	0,205	0,573	0,510	0,184	0,271	72,372	20,371	19,085	21,432	21,394	21,162	20,869	21,858	20,556	79,901	58,518	75,236
283,667	0,205	0,558	0,510	0,184	0,271	72,308	20,368	17,519	21,428	21,394	21,151	20,871	21,855	20,557	79,947	58,517	75,241
283,833	0,206	0,543	0,510	0,179	0,277	72,300	20,362	17,990	21,428	21,384	21,159	20,873	21,851	20,556	79,860	58,506	75,236
284,000	0,205	0,546	0,510	0,176	0,272	72,215	20,367	16,032	21,440	21,399	21,155	20,859	21,844	20,560	79,854	58,509	75,231
284,167	0,206	0,553	0,510	0,180	0,275	72,211	20,333	19,499	21,431	21,385	21,149	20,876	21,853	20,553	79,857	58,509	75,227
284,333	0,204	0,557	0,510	0,190	0,269	72,213	20,346	19,266	21,438	21,389	21,178	20,871	21,873	20,558	79,842	58,509	75,218
284,500	0,204	0,564	0,510	0,181	0,269	72,232	20,361	15,708	21,434	21,418	21,160	20,882	21,873	20,569	79,842	58,512	75,204
284,667	0,204	0,578	0,510	0,177	0,271	72,237	20,353	15,476	21,447	21,426	21,162	20,871	21,869	20,570	79,861	58,498	75,185
284,833	0,204	0,592	0,510	0,182	0,272	72,212	20,302	18,884	21,427	21,404	21,162	20,869	21,844	20,553	79,835	58,495	75,164
285,000	0,203	0,597	0,510	0,177	0,278	72,156	20,328	20,064	21,412	21,406	21,160	20,872	21,853	20,553	79,887	58,494	75,156
285,167	0,203	0,599	0,510	0,183	0,273	72,196	20,328	15,370	21,444	21,418	21,159	20,876	21,852	20,562	79,839	58,483	75,148
285,333	0,205	0,592	0,510	0,181	0,275	72,136	20,340	17,790	21,429	21,401	21,167	20,879	21,860	20,562	79,874	58,477	75,140
285,500	0,204	0,572	0,510	0,189	0,277	72,103	20,305	15,901	21,448	21,397	21,142	20,876	21,855	20,553	79,847	58,466	75,129
285,667	0,204	0,560	0,510	0,180	0,271	72,083	20,326	19,737	21,429	21,389	21,140	20,876	21,852	20,550	79,835	58,461	75,133
285,834	0,203	0,567	0,510	0,184	0,277	72,126	20,330	17,586	21,432	21,406	21,157	20,875	21,864	20,556	79,897	58,462	75,139
286,000	0,203	0,572	0,510	0,187	0,275	72,139	20,308	19,030	21,438	21,415	21,150	20,873	21,855	20,554	79,829	58,446	75,142
286,167	0,203	0,574	0,510	0,181	0,270	72,058	20,364	19,812	21,428	21,410	21,176	20,865	21,845	20,552	79,831	58,446	75,143
286,334	0,203	0,567	0,510	0,183	0,275	72,035	20,360	14,115	21,433	21,397	21,145	20,894	21,844	20,554	79,831	58,439	75,143
286,500	0,204	0,544	0,510	0,183	0,272	72,028	20,345	18,899	21,429	21,393	21,147	20,875	21,843	20,554	79,816	58,434	75,142
286,667	0,208	0,515	0,510	0,182	0,271	72,068	20,330	16,963	21,432	21,406	21,171	20,885	21,855	20,558	79,765	58,435	75,137
286,834	0,208	0,498	0,510	0,185	0,262	72,088	20,308	18,645	21,461	21,410	21,158	20,892	21,835	20,561	79,719	58,435	75,132
287,000	0,208	0,508	0,510	0,184	0,270	72,097	20,312	21,088	21,450	21,414	21,178	20,888	21,870	20,564	79,667	58,439	75,124
287,167	0,204	0,541	0,510	0,184	0,274	72,107	20,360	19,345	21,456	21,423	21,170	20,884	21,861	20,564	79,681	58,434	75,113
287,334	0,204	0,574	0,510	0,178	0,271	72,095	20,337	17,625	21,450	21,407	21,170	20,881	21,857	20,561	79,652	58,435	75,093
287,500	0,203	0,598	0,509	0,190	0,279	72,102	20,330	13,132	21,450	21,415	21,142	20,884	21,844	20,560	79,734	58,430	75,067
287,667	0,202	0,603	0,510	0,189	0,272	72,095	20,296	18,847	21,453	21,419	21,166	20,884	21,855	20,560	79,696	58,434	75,042
287,834	0,204	0,599	0,510	0,176	0,267	72,109	20,346	17,369	21,452	21,426	21,187	20,901	21,874	20,568	79,721	58,423	75,027
288,000	0,204	0,581	0,509	0,188	0,264	72,130	20,358	16,342	21,454	21,436	21,170	20,889	21,868	20,566	79,707	58,418	75,013
288,167	0,205	0,576	0,509	0,178	0,268	72,116	20,358	16,971	21,456	21,448	21,174	20,901	21,871	20,570	79,714	58,415	75,008
288,333	0,205	0,563	0,509	0,183	0,270	72,081	20,336	18,780	21,460	21,449	21,203	20,901	21,886	20,578	79,766	58,408	75,015
288,500	0,205	0,549	0,509	0,179	0,269	72,076	20,337	18,875	21,458	21,431	21,165	20,892	21,861	20,568	79,691	58,400	75,020
288,667	0,205	0,553	0,509	0,184	0,269	72,154	20,332	18,481	21,462	21,430	21,178	20,883	21,866	20,564	79,754	58,399	75,009
288,833	0,204	0,580	0,509	0,180	0,269	72,123	20,345	13,858	21,471	21,440	21,177	20,892	21,865	20,573	79,716	58,400	75,016
289,000	0,203	0,609	0,509	0,182	0,268	72,130	20,295	14,607	21,453	21,431	21,167	20,883	21,869	20,565	79,735	58,401	75,015
289,167	0,203	0,608	0,509	0,173	0,270	72,123	20,274	18,773	21,470	21,436	21,184	20,896	21,878	20,569	79,742	58,399	75,015

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
283,167	54,802	0,357	0,354	8286,266	8735,295	37,228	9,547	508,132	7,181	11,196	4,320	2017-09-15 14:48
283,333	54,802	0,357	0,354	8296,141	8754,253	40,380	9,562	508,132	7,146	11,310	4,342	2017-09-15 14:49
283,500	54,801	0,357	0,354	8285,892	8734,576	39,657	9,318	508,132	7,365	10,831	4,249	2017-09-15 14:49
283,667	54,797	0,356	0,353	8282,316	8737,269	38,906	8,956	508,132	7,347	10,834	4,249	2017-09-15 14:49
283,833	54,791	0,356	0,354	8290,555	8705,233	43,131	8,577	508,132	7,158	11,064	4,294	2017-09-15 14:49
284,000	54,787	0,356	0,354	8295,091	8704,068	37,875	8,638	508,132	7,027	10,895	4,261	2017-09-15 14:49
284,167	54,783	0,357	0,354	8295,089	8715,710	43,111	8,816	508,132	7,180	11,001	4,282	2017-09-15 14:49
284,333	54,777	0,357	0,353	8282,045	8707,507	33,257	8,921	508,132	7,590	10,775	4,238	2017-09-15 14:50
284,500	54,770	0,357	0,354	8291,236	8708,539	30,610	9,094	508,038	7,243	10,770	4,237	2017-09-15 14:50
284,667	54,769	0,357	0,354	8286,418	8727,197	32,416	9,448	508,132	7,089	10,850	4,252	2017-09-15 14:50
284,833	54,766	0,357	0,354	8276,975	8721,457	32,857	9,800	508,132	7,281	10,883	4,259	2017-09-15 14:50
285,000	54,762	0,357	0,354	8267,943	8739,976	27,576	9,936	508,132	7,097	11,114	4,304	2017-09-15 14:50
285,167	54,763	0,357	0,354	8275,267	8716,915	25,082	9,963	508,038	7,310	10,925	4,267	2017-09-15 14:50
285,333	54,760	0,357	0,354	8264,870	8743,728	36,200	9,790	508,038	7,235	10,988	4,279	2017-09-15 14:51
285,500	54,756	0,357	0,354	8262,976	8734,544	33,889	9,312	508,038	7,546	11,084	4,298	2017-09-15 14:51
285,667	54,751	0,357	0,354	8265,961	8725,316	30,116	9,006	508,038	7,209	10,858	4,254	2017-09-15 14:51
285,834	54,746	0,357	0,354	8277,083	8755,563	28,219	9,169	508,038	7,366	11,076	4,296	2017-09-15 14:51
286,000	54,738	0,356	0,354	8271,782	8724,129	29,473	9,289	508,038	7,475	11,000	4,282	2017-09-15 14:51
286,167	54,735	0,356	0,354	8273,417	8726,739	26,117	9,339	508,038	7,243	10,787	4,240	2017-09-15 14:51
286,334	54,730	0,357	0,354	8276,432	8736,419	24,230	9,171	508,038	7,314	11,016	4,285	2017-09-15 14:52
286,500	54,726	0,357	0,354	8281,141	8731,679	33,844	8,593	508,038	7,340	10,889	4,260	2017-09-15 14:52
286,667	54,718	0,357	0,354	8292,486	8723,072	55,900	7,866	508,038	7,295	10,860	4,254	2017-09-15 14:52
286,834	54,716	0,357	0,354	8291,484	8700,393	57,808	7,441	508,038	7,419	10,480	4,179	2017-09-15 14:52
287,000	54,715	0,357	0,354	8285,783	8669,691	56,977	7,707	508,038	7,353	10,784	4,239	2017-09-15 14:52
287,167	54,712	0,357	0,354	8277,405	8677,341	33,000	8,521	508,038	7,362	10,962	4,274	2017-09-15 14:52
287,334	54,707	0,357	0,354	8276,449	8671,265	30,127	9,342	508,038	7,107	10,834	4,249	2017-09-15 14:53
287,500	54,707	0,357	0,354	8266,857	8696,043	24,692	9,945	507,944	7,609	11,147	4,310	2017-09-15 14:53
287,667	54,714	0,357	0,354	8246,957	8682,549	22,577	10,067	508,038	7,545	10,870	4,256	2017-09-15 14:53
287,834	54,716	0,357	0,354	8238,354	8704,435	33,243	9,967	508,038	7,022	10,677	4,218	2017-09-15 14:53
288,000	54,720	0,357	0,354	8230,589	8699,002	31,256	9,520	507,944	7,500	10,550	4,193	2017-09-15 14:53
288,167	54,724	0,357	0,354	8227,387	8694,487	38,503	9,394	507,944	7,132	10,708	4,225	2017-09-15 14:53
288,333	54,724	0,356	0,354	8236,005	8714,256	40,390	9,086	507,944	7,329	10,786	4,240	2017-09-15 14:54
288,500	54,723	0,357	0,354	8233,696	8690,563	40,425	8,714	507,944	7,154	10,745	4,232	2017-09-15 14:54
288,667	54,720	0,357	0,354	8242,805	8720,702	41,036	8,821	507,944	7,361	10,754	4,234	2017-09-15 14:54
288,833	54,716	0,357	0,354	8243,607	8713,074	30,398	9,497	507,944	7,214	10,763	4,235	2017-09-15 14:54
289,000	54,714	0,357	0,354	8233,046	8717,880	25,297	10,236	507,944	7,265	10,720	4,227	2017-09-15 14:54
289,167	54,711	0,357	0,354	8234,140	8712,715	29,161	10,204	507,944	6,939	10,800	4,243	2017-09-15 14:54

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
289,333	0,205	0,575	0,509	0,178	0,273	72,163	20,297	16,874	21,469	21,443	21,176	20,889	21,867	20,570	79,729	58,397	75,020
289,500	0,207	0,541	0,509	0,180	0,271	72,131	20,308	15,898	21,461	21,437	21,173	20,888	21,880	20,572	79,748	58,397	75,029
289,667	0,209	0,533	0,509	0,180	0,269	72,143	20,272	14,735	21,470	21,436	21,167	20,895	21,859	20,569	79,722	58,396	75,028
289,833	0,207	0,533	0,509	0,182	0,269	72,165	20,269	17,461	21,478	21,420	21,178	20,887	21,864	20,561	79,688	58,391	75,025
290,000	0,205	0,540	0,509	0,178	0,267	72,188	20,289	14,499	21,476	21,437	21,161	20,891	21,873	20,565	79,695	58,395	75,028
290,167	0,205	0,544	0,509	0,189	0,272	72,165	20,268	15,948	21,462	21,439	21,163	20,892	21,866	20,561	79,634	58,392	75,024
290,333	0,205	0,545	0,509	0,182	0,270	72,146	20,272	15,585	21,467	21,435	21,150	20,892	21,874	20,561	79,606	58,387	75,024
290,500	0,204	0,543	0,509	0,186	0,265	72,186	20,294	14,885	21,482	21,440	21,176	20,887	21,861	20,568	79,575	58,388	75,011
290,667	0,204	0,540	0,509	0,182	0,274	72,210	20,283	18,919	21,478	21,453	21,172	20,892	21,870	20,565	79,529	58,388	74,998
290,833	0,205	0,533	0,509	0,180	0,272	72,211	20,278	16,367	21,488	21,454	21,191	20,895	21,863	20,568	79,495	58,391	74,982
291,000	0,204	0,537	0,509	0,189	0,276	72,096	20,243	18,550	21,466	21,426	21,179	20,889	21,859	20,560	79,488	58,392	74,957
291,167	0,204	0,543	0,509	0,181	0,274	72,114	20,175	17,898	21,478	21,435	21,183	20,881	21,861	20,560	79,524	58,395	74,942
291,333	0,204	0,546	0,509	0,177	0,269	72,120	20,233	12,038	21,475	21,452	21,159	20,883	21,874	20,565	79,490	58,397	74,920
291,500	0,204	0,544	0,509	0,186	0,267	72,080	20,294	19,628	21,467	21,443	21,165	20,891	21,870	20,565	79,482	58,384	74,903
291,667	0,205	0,542	0,509	0,193	0,270	72,205	20,317	19,051	21,474	21,443	21,186	20,898	21,877	20,568	79,478	58,377	74,889
291,833	0,205	0,537	0,509	0,180	0,267	72,187	20,269	13,553	21,470	21,443	21,161	20,891	21,869	20,568	79,509	58,362	74,871
292,000	0,204	0,532	0,509	0,175	0,269	72,182	20,183	16,602	21,466	21,436	21,153	20,884	21,872	20,562	79,453	58,362	74,857
292,167	0,204	0,546	0,509	0,180	0,265	72,259	20,189	14,931	21,466	21,436	21,168	20,896	21,872	20,562	79,424	58,356	74,846
292,334	0,203	0,554	0,509	0,176	0,272	72,322	20,240	19,822	21,463	21,439	21,175	20,900	21,857	20,561	79,444	58,356	74,835
292,500	0,203	0,550	0,509	0,173	0,273	72,404	20,239	18,889	21,483	21,441	21,175	20,893	21,864	20,565	79,430	58,354	74,830
292,667	0,203	0,540	0,509	0,182	0,274	72,569	20,264	14,743	21,482	21,449	21,182	20,896	21,874	20,565	79,438	58,358	74,816
292,834	0,203	0,525	0,509	0,182	0,268	72,671	20,212	16,706	21,482	21,454	21,163	20,891	21,866	20,564	79,478	58,354	74,801
293,000	0,203	0,514	0,509	0,184	0,266	72,781	20,242	14,088	21,476	21,452	21,166	20,891	21,865	20,562	79,491	58,356	74,799
293,167	0,204	0,501	0,509	0,184	0,269	72,886	20,042	20,512	21,491	21,448	21,178	20,892	21,864	20,566	79,467	58,358	74,796
293,334	0,207	0,483	0,509	0,187	0,270	72,955	20,064	19,633	21,496	21,461	21,166	20,898	21,869	20,565	79,499	58,354	74,801
293,500	0,213	0,472	0,509	0,179	0,270	73,064	20,140	16,493	21,480	21,447	21,178	20,900	21,865	20,568	79,460	58,350	74,808
293,667	0,216	0,478	0,508	0,188	0,278	73,181	20,192	19,409	21,490	21,443	21,161	20,889	21,865	20,564	79,478	58,356	74,812
293,834	0,210	0,505	0,509	0,174	0,270	73,258	20,195	18,125	21,483	21,445	21,167	20,893	21,859	20,565	79,457	58,353	74,811
294,000	0,205	0,538	0,509	0,186	0,272	73,279	20,188	19,389	21,506	21,453	21,182	20,897	21,868	20,565	79,499	58,352	74,813
294,167	0,203	0,551	0,508	0,187	0,269	73,336	20,206	19,243	21,480	21,456	21,178	20,884	21,869	20,562	79,501	58,350	74,809
294,334	0,203	0,558	0,508	0,183	0,271	73,440	20,146	20,806	21,484	21,469	21,182	20,885	21,859	20,566	79,611	58,356	74,813
294,500	0,203	0,554	0,508	0,190	0,266	73,433	20,173	17,961	21,514	21,458	21,176	20,895	21,865	20,569	79,611	58,358	74,811
294,667	0,202	0,555	0,508	0,188	0,272	73,560	20,065	13,445	21,503	21,465	21,171	20,895	21,861	20,566	79,640	58,362	74,819
294,833	0,202	0,555	0,508	0,191	0,267	73,600	20,120	18,381	21,512	21,457	21,179	20,901	21,869	20,566	79,688	58,372	74,836
295,000	0,204	0,541	0,508	0,177	0,267	73,700	20,221	16,944	21,503	21,471	21,167	20,902	21,872	20,569	79,688	58,380	74,862
295,167	0,205	0,545	0,508	0,185	0,276	73,775	20,298	12,061	21,508	21,474	21,190	20,905	21,874	20,570	79,687	58,389	74,890
295,333	0,203	0,551	0,508	0,188	0,269	73,794	20,276	18,557	21,518	21,449	21,175	20,898	21,877	20,568	79,722	58,397	74,911

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
289,333	54,707	0,357	0,354	8243,223	8711,637	37,030	9,382	507,944	7,132	10,927	4,268	2017-09-15 14:55
289,500	54,710	0,357	0,354	8242,189	8716,994	53,576	8,533	507,944	7,214	10,839	4,250	2017-09-15 14:55
289,667	54,708	0,357	0,354	8250,370	8707,919	62,397	8,337	507,944	7,215	10,752	4,233	2017-09-15 14:55
289,833	54,715	0,357	0,354	8232,472	8699,977	51,922	8,320	507,944	7,286	10,762	4,235	2017-09-15 14:55
290,000	54,718	0,357	0,354	8239,825	8696,566	39,136	8,508	507,944	7,136	10,690	4,221	2017-09-15 14:55
290,167	54,719	0,357	0,354	8242,870	8678,198	37,239	8,592	507,944	7,548	10,875	4,257	2017-09-15 14:55
290,333	54,714	0,357	0,354	8242,775	8661,964	37,857	8,614	507,944	7,265	10,813	4,245	2017-09-15 14:56
290,500	54,718	0,357	0,354	8232,702	8654,700	32,204	8,587	507,944	7,446	10,617	4,206	2017-09-15 14:56
290,667	54,716	0,357	0,354	8233,529	8633,811	33,667	8,490	507,944	7,276	10,952	4,272	2017-09-15 14:56
290,833	54,715	0,357	0,354	8226,674	8629,950	38,917	8,331	507,851	7,191	10,887	4,260	2017-09-15 14:56
291,000	54,710	0,357	0,354	8222,194	8618,561	34,091	8,434	507,944	7,565	11,033	4,288	2017-09-15 14:56
291,167	54,707	0,357	0,354	8210,571	8627,962	32,840	8,571	507,944	7,251	10,944	4,271	2017-09-15 14:56
291,333	54,708	0,357	0,354	8196,851	8619,007	30,953	8,649	507,944	7,098	10,765	4,236	2017-09-15 14:57
291,500	54,706	0,357	0,354	8204,790	8622,107	31,377	8,588	507,944	7,422	10,690	4,221	2017-09-15 14:57
291,667	54,708	0,357	0,354	8190,072	8617,891	37,232	8,558	507,851	7,724	10,819	4,246	2017-09-15 14:57
291,833	54,711	0,357	0,354	8184,756	8632,206	37,673	8,423	507,944	7,203	10,670	4,217	2017-09-15 14:57
292,000	54,712	0,357	0,354	8176,059	8608,952	33,518	8,297	507,851	7,007	10,761	4,235	2017-09-15 14:57
292,167	54,710	0,357	0,354	8171,951	8603,181	30,314	8,640	507,851	7,200	10,617	4,206	2017-09-15 14:57
292,334	54,712	0,357	0,354	8165,848	8610,417	29,883	8,859	507,851	7,038	10,883	4,259	2017-09-15 14:58
292,500	54,710	0,357	0,354	8165,353	8603,526	26,120	8,748	507,851	6,938	10,924	4,267	2017-09-15 14:58
292,667	54,712	0,357	0,354	8159,585	8611,977	29,275	8,496	507,851	7,300	10,968	4,276	2017-09-15 14:58
292,834	54,706	0,357	0,354	8148,202	8624,329	26,965	8,113	507,851	7,263	10,721	4,227	2017-09-15 14:58
293,000	54,707	0,357	0,354	8154,654	8642,084	29,685	7,854	507,851	7,349	10,630	4,209	2017-09-15 14:58
293,167	54,704	0,357	0,354	8150,917	8627,182	35,578	7,531	507,850	7,344	10,769	4,236	2017-09-15 14:58
293,334	54,703	0,357	0,354	8156,570	8630,171	49,406	7,076	507,850	7,489	10,783	4,239	2017-09-15 14:59
293,500	54,703	0,357	0,354	8168,866	8618,180	90,495	6,807	507,851	7,149	10,803	4,243	2017-09-15 14:59
293,667	54,704	0,357	0,354	8167,701	8620,791	105,967	6,958	507,772	7,510	11,105	4,302	2017-09-15 14:59
293,834	54,719	0,357	0,354	8156,744	8615,109	71,004	7,615	507,851	6,970	10,814	4,245	2017-09-15 14:59
294,000	54,738	0,357	0,354	8156,795	8638,108	40,619	8,456	507,851	7,449	10,870	4,256	2017-09-15 14:59
294,167	54,754	0,357	0,354	8144,840	8644,315	28,657	8,767	507,758	7,487	10,745	4,232	2017-09-15 14:59
294,334	54,762	0,357	0,354	8142,564	8688,282	29,327	8,938	507,757	7,304	10,828	4,248	2017-09-15 15:00
294,500	54,770	0,357	0,354	8138,801	8686,298	25,075	8,847	507,757	7,613	10,631	4,209	2017-09-15 15:00
294,667	54,774	0,357	0,354	8133,210	8685,733	22,559	8,866	507,757	7,518	10,867	4,256	2017-09-15 15:00
294,833	54,779	0,357	0,354	8137,501	8704,094	21,305	8,874	507,758	7,659	10,674	4,218	2017-09-15 15:00
295,000	54,779	0,357	0,354	8151,483	8699,894	31,544	8,535	507,757	7,086	10,679	4,219	2017-09-15 15:00
295,167	54,782	0,357	0,354	8156,909	8693,338	37,041	8,634	507,758	7,406	11,053	4,292	2017-09-15 15:00
295,333	54,781	0,356	0,354	8164,876	8698,978	28,007	8,780	507,757	7,539	10,764	4,236	2017-09-15 15:01

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
295,500	0,203	0,556	0,508	0,181	0,269	73,850	20,266	19,641	21,501	21,478	21,193	20,892	21,873	20,565	79,718	58,399	74,935
295,667	0,202	0,557	0,508	0,182	0,273	73,888	20,253	17,669	21,505	21,461	21,174	20,898	21,877	20,568	79,762	58,404	74,965
295,833	0,203	0,546	0,508	0,192	0,272	73,918	20,250	17,253	21,516	21,464	21,173	20,897	21,874	20,570	79,812	58,418	74,980
296,000	0,203	0,550	0,508	0,183	0,271	73,919	20,265	18,229	21,506	21,480	21,176	20,900	21,870	20,565	79,851	58,415	74,990
296,167	0,204	0,573	0,508	0,189	0,280	73,931	20,263	18,417	21,509	21,474	21,188	20,897	21,871	20,572	79,907	58,422	75,012
296,333	0,202	0,593	0,508	0,181	0,270	73,980	20,234	20,878	21,524	21,484	21,182	20,902	21,885	20,569	80,032	58,428	75,035
296,500	0,201	0,611	0,508	0,178	0,269	74,038	20,247	18,330	21,517	21,470	21,192	20,901	21,871	20,570	80,140	58,438	75,061
296,667	0,202	0,604	0,507	0,182	0,267	74,022	20,280	16,019	21,520	21,487	21,200	20,925	21,897	20,586	80,124	58,451	75,086
296,833	0,203	0,587	0,508	0,187	0,272	74,100	20,204	12,181	21,508	21,487	21,171	20,908	21,878	20,573	80,221	58,459	75,119
297,000	0,203	0,579	0,507	0,188	0,267	74,031	20,208	16,054	21,511	21,471	21,187	20,915	21,874	20,570	80,236	58,473	75,169
297,167	0,203	0,572	0,507	0,174	0,263	73,944	20,195	19,287	21,514	21,480	21,182	20,893	21,884	20,569	80,297	58,483	75,224
297,333	0,205	0,571	0,507	0,191	0,262	73,890	20,201	13,103	21,509	21,469	21,162	20,884	21,860	20,565	80,252	58,494	75,281
297,500	0,205	0,558	0,508	0,175	0,268	73,836	20,063	19,220	21,509	21,466	21,183	20,912	21,874	20,573	80,273	58,516	75,331
297,667	0,205	0,554	0,507	0,181	0,268	73,714	20,175	17,348	21,512	21,464	21,184	20,902	21,872	20,570	80,320	58,521	75,371
297,833	0,204	0,567	0,507	0,183	0,264	73,596	20,216	13,137	21,504	21,465	21,187	20,909	21,867	20,566	80,358	58,532	75,417
298,000	0,204	0,585	0,507	0,180	0,270	73,581	20,239	19,697	21,498	21,470	21,177	20,904	21,886	20,577	80,378	58,548	75,449
298,167	0,203	0,606	0,507	0,190	0,268	73,499	20,226	15,878	21,493	21,466	21,191	20,905	21,869	20,565	80,471	58,549	75,466
298,333	0,203	0,618	0,507	0,182	0,268	73,536	20,229	20,975	21,490	21,466	21,193	20,900	21,861	20,569	80,482	58,563	75,491
298,500	0,204	0,605	0,507	0,185	0,275	73,473	20,193	21,050	21,497	21,457	21,184	20,896	21,868	20,566	80,493	58,569	75,510
298,667	0,203	0,574	0,507	0,187	0,272	73,406	20,086	15,341	21,487	21,457	21,182	20,902	21,882	20,569	80,515	58,572	75,537
298,833	0,204	0,544	0,507	0,194	0,263	73,372	20,157	17,831	21,482	21,462	21,172	20,891	21,882	20,566	80,582	58,580	75,582
299,000	0,207	0,521	0,507	0,182	0,269	73,314	20,116	22,861	21,501	21,465	21,187	20,892	21,887	20,566	80,536	58,600	75,610
299,167	0,207	0,512	0,507	0,184	0,269	73,306	20,146	18,331	21,505	21,474	21,192	20,916	21,884	20,573	80,472	58,611	75,636
299,334	0,207	0,515	0,507	0,182	0,270	73,302	20,052	18,998	21,503	21,475	21,191	20,910	21,890	20,574	80,488	58,616	75,653
299,500	0,205	0,533	0,507	0,179	0,270	73,315	20,157	17,086	21,499	21,477	21,187	20,901	21,878	20,569	80,416	58,626	75,675
299,667	0,204	0,547	0,507	0,187	0,265	73,234	20,208	13,084	21,495	21,469	21,174	20,887	21,891	20,569	80,408	58,631	75,686
299,834	0,203	0,552	0,507	0,185	0,271	73,167	20,184	18,623	21,487	21,465	21,182	20,897	21,876	20,569	80,422	58,645	75,680
300,000	0,203	0,545	0,507	0,188	0,270	73,192	20,192	14,071	21,483	21,461	21,178	20,904	21,883	20,568	80,375	58,657	75,664
300,167	0,203	0,538	0,507	0,180	0,270	73,208	20,196	18,442	21,475	21,471	21,176	20,891	21,877	20,564	80,335	58,661	75,648
300,334	0,205	0,540	0,507	0,170	0,269	73,211	20,221	17,607	21,396	21,390	21,191	20,893	21,880	20,565	80,393	58,661	75,640
300,500	0,204	0,546	0,466	0,186	0,266	73,879	20,182	17,420	21,384	21,388	21,175	20,875	21,876	20,561	80,372	58,665	75,625
300,667	0,203	0,532	0,465	0,212	0,268	75,459	20,199	10,707	21,390	21,385	21,183	20,871	21,860	20,562	80,371	58,673	75,617
300,834	0,199	0,210	0,465	0,217	0,266	77,118	20,182	12,325	21,372	21,372	21,180	20,862	21,878	20,562	80,461	58,677	75,605
301,000	0,199	0,204	0,480	0,210	0,270	78,714	20,197	14,788	21,377	21,384	21,180	20,859	21,868	20,561	80,502	58,680	75,607
301,167	0,199	0,203	0,466	0,218	0,268	80,081	20,144	15,865	21,388	21,379	21,183	20,871	21,869	20,564	80,672	58,685	75,601
301,334	0,199	0,203	0,466	0,221	0,266	81,289	20,227	16,181	21,371	21,368	21,183	20,863	21,878	20,564	80,876	58,688	75,601
301,500	0,199	0,202	0,466	0,219	0,266	82,384	20,209	15,772	21,382	21,375	21,158	20,858	21,869	20,562	80,999	58,688	75,621

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
295,500	54,783	0,357	0,354	8176,570	8705,798	25,308	8,888	507,758	7,229	10,756	4,234	2017-09-15 15:01
295,667	54,790	0,357	0,354	8195,483	8721,162	23,212	8,920	507,757	7,284	10,927	4,268	2017-09-15 15:01
295,833	54,799	0,357	0,354	8192,487	8747,244	24,658	8,662	507,758	7,681	10,878	4,258	2017-09-15 15:01
296,000	54,810	0,356	0,353	8176,421	8741,705	29,261	8,739	507,757	7,333	10,839	4,250	2017-09-15 15:01
296,167	54,825	0,357	0,354	8196,060	8782,119	30,109	9,334	507,758	7,569	11,183	4,317	2017-09-15 15:01
296,333	54,833	0,357	0,354	8208,586	8834,433	21,350	9,825	507,757	7,234	10,808	4,244	2017-09-15 15:02
296,500	54,839	0,357	0,355	8217,109	8880,267	17,104	10,264	507,757	7,129	10,766	4,236	2017-09-15 15:02
296,667	54,850	0,357	0,354	8206,214	8854,957	20,881	10,110	507,617	7,295	10,683	4,220	2017-09-15 15:02
296,833	54,849	0,357	0,354	8228,737	8883,725	23,817	9,683	507,757	7,485	10,876	4,258	2017-09-15 15:02
297,000	54,850	0,357	0,354	8247,848	8886,686	24,675	9,487	507,617	7,529	10,667	4,216	2017-09-15 15:02
297,167	54,850	0,357	0,354	8269,520	8909,282	25,512	9,304	507,617	6,968	10,518	4,187	2017-09-15 15:02
297,333	54,853	0,357	0,354	8290,008	8882,013	39,129	9,273	507,617	7,646	10,480	4,179	2017-09-15 15:03
297,500	54,856	0,357	0,354	8308,566	8882,324	37,225	8,953	507,757	7,003	10,701	4,223	2017-09-15 15:03
297,667	54,858	0,357	0,354	8323,102	8903,145	36,200	8,862	507,617	7,246	10,727	4,228	2017-09-15 15:03
297,833	54,866	0,357	0,354	8345,246	8911,998	33,955	9,186	507,617	7,333	10,562	4,196	2017-09-15 15:03
298,000	54,877	0,357	0,354	8351,704	8921,968	33,042	9,634	507,617	7,212	10,803	4,243	2017-09-15 15:03
298,167	54,884	0,357	0,354	8360,028	8954,913	27,608	10,146	507,617	7,581	10,718	4,227	2017-09-15 15:03
298,333	54,893	0,357	0,354	8367,458	8953,140	28,862	10,445	507,617	7,285	10,729	4,229	2017-09-15 15:04
298,500	54,897	0,357	0,355	8377,134	8949,252	30,755	10,132	507,617	7,416	11,011	4,284	2017-09-15 15:04
298,667	54,900	0,357	0,354	8381,894	8970,811	27,434	9,340	507,617	7,469	10,877	4,258	2017-09-15 15:04
298,833	54,905	0,357	0,354	8393,998	8995,214	34,960	8,590	507,617	7,776	10,538	4,191	2017-09-15 15:04
299,000	54,906	0,356	0,354	8394,488	8951,074	50,904	8,025	507,617	7,291	10,754	4,234	2017-09-15 15:04
299,167	54,908	0,357	0,354	8406,737	8928,871	48,996	7,793	507,617	7,358	10,749	4,233	2017-09-15 15:04
299,334	54,908	0,357	0,354	8419,002	8935,914	48,777	7,881	507,617	7,299	10,816	4,246	2017-09-15 15:05
299,500	54,909	0,357	0,354	8432,589	8913,845	37,444	8,316	507,524	7,142	10,795	4,242	2017-09-15 15:05
299,667	54,916	0,357	0,354	8434,890	8905,876	31,603	8,669	507,617	7,474	10,596	4,202	2017-09-15 15:05
299,834	54,921	0,357	0,354	8434,355	8898,076	28,862	8,796	507,617	7,383	10,851	4,253	2017-09-15 15:05
300,000	54,928	0,357	0,354	8422,673	8875,926	27,587	8,613	507,617	7,528	10,798	4,242	2017-09-15 15:05
300,167	54,935	0,357	0,354	8413,338	8857,680	28,428	8,459	507,617	7,187	10,797	4,242	2017-09-15 15:05
300,334	54,940	0,357	0,355	8411,675	8880,803	38,212	8,510	507,524	6,803	10,780	4,239	2017-09-15 15:06
300,500	54,947	0,357	0,354	8393,056	8865,365	34,098	8,652	499,843	7,449	10,630	4,209	2017-09-15 15:06
300,667	54,952	0,357	0,354	8394,403	8860,857	24,185	8,308	499,749	8,488	10,709	4,225	2017-09-15 15:06
300,834	54,955	0,357	0,354	8377,053	8904,518	1,188	0,257	499,749	8,697	10,625	4,208	2017-09-15 15:06
301,000	54,953	0,357	0,354	8384,681	8916,915	-0,070	0,095	502,464	8,402	10,782	4,239	2017-09-15 15:06
301,167	54,959	0,357	0,354	8379,096	8985,219	-0,501	0,072	499,843	8,708	10,713	4,225	2017-09-15 15:06
301,334	54,959	0,357	0,354	8384,228	9063,531	-0,709	0,063	499,843	8,836	10,630	4,209	2017-09-15 15:07
301,500	54,960	0,357	0,354	8390,419	9112,230	-0,768	0,058	499,843	8,761	10,646	4,212	2017-09-15 15:07

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
301,667	0,199	0,202	0,465	0,217	0,270	83,293	20,232	12,040	21,386	21,362	21,180	20,875	21,870	20,564	81,147	58,697	75,663
301,833	0,199	0,202	0,466	0,229	0,270	84,185	20,252	15,213	21,388	21,362	21,191	20,872	21,883	20,562	81,234	58,697	75,736
302,000	0,199	0,202	0,466	0,222	0,270	84,954	20,260	18,846	21,401	21,384	21,189	20,878	21,883	20,568	81,276	58,702	75,840

Froling_PE135kw_170915_matning_cat II.DAT

Category: II

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
301,667	54,960	0,357	0,355	8420,272	9182,710	-0,925	0,054	499,749	8,676	10,819	4,246	2017-09-15 15:07
301,833	54,965	0,357	0,355	8440,930	9217,205	-0,907	0,052	499,843	9,154	10,811	4,245	2017-09-15 15:07
302,000	54,964	0,357	0,355	8483,134	9229,862	-0,907	0,050	499,843	8,896	10,782	4,239	2017-09-15 15:07

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

Configuration file: C:\Data collection\Configuration\EPA testing.KONF
Saved: 2017-09-13 09:31
In plain text: 2017-09-13 09:31

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C	˚C
0,001	0,199	0,201	0,761	0,049	0,264	32,293	19,006	18,169	-15,177	19,952	19,642	19,648	20,101	19,382	35,637	35,711	35,697
0,167	0,199	0,201	0,663	0,048	0,268	32,283	19,012	17,316	-12,825	8,802	19,663	19,657	20,105	19,380	35,642	35,705	35,694
0,334	0,199	0,201	0,664	0,048	0,268	32,279	19,021	25,958	-12,754	19,065	19,637	19,642	20,111	19,378	35,642	35,705	35,702
0,500	0,199	0,201	0,659	0,048	0,265	32,266	19,016	25,802	-13,176	24,268	19,651	19,641	20,106	19,379	35,640	35,706	35,687
0,667	0,199	0,201	0,527	0,048	0,260	32,270	19,023	17,156	-4,515	21,490	19,644	19,642	20,113	19,379	35,642	35,703	35,693
0,834	0,199	0,201	0,526	0,048	0,267	32,283	19,027	16,767	-10,407	14,195	19,654	19,646	20,110	19,379	35,642	35,705	35,691
1,000	0,199	0,201	0,526	0,048	0,275	32,285	18,994	18,479	-12,671	25,169	19,648	19,645	20,110	19,382	35,648	35,703	35,697
1,167	0,199	0,201	0,526	0,048	0,263	32,278	18,986	13,232	-13,962	18,345	19,641	19,654	20,109	19,379	35,642	35,699	35,687
1,334	0,199	0,201	0,526	0,047	0,264	32,287	18,990	14,358	-12,401	6,036	19,654	19,665	20,118	19,380	35,641	35,703	35,694
1,500	0,199	0,201	0,526	0,048	0,269	32,288	18,980	24,644	-12,589	19,610	19,629	19,650	20,111	19,378	35,638	35,702	35,689
1,667	0,199	0,201	0,526	0,048	0,258	32,294	19,004	19,821	-14,280	20,691	19,647	19,655	20,113	19,379	35,636	35,701	35,671
1,834	0,199	0,201	0,526	0,047	0,270	32,298	18,986	13,737	-14,463	17,407	19,646	19,655	20,124	19,382	35,637	35,699	35,685
2,000	0,199	0,201	0,526	0,048	0,259	32,309	18,986	11,564	-14,347	18,650	19,649	19,649	20,117	19,382	35,638	35,702	35,697
2,167	0,199	0,201	0,526	0,048	0,269	32,296	18,999	14,333	-12,557	13,061	19,645	19,670	20,111	19,384	35,640	35,701	35,690
2,334	0,199	0,201	0,526	0,048	0,271	32,291	18,995	18,017	-12,643	12,684	19,651	19,662	20,122	19,380	35,636	35,699	35,703
2,500	0,199	0,201	0,526	0,048	0,258	32,303	18,997	22,676	-13,438	21,128	19,666	19,661	20,122	19,383	35,641	35,702	35,693
2,667	0,199	0,201	0,526	0,047	0,253	32,294	18,991	18,297	-14,225	19,897	19,646	19,657	20,118	19,380	35,638	35,698	35,702
2,833	0,199	0,201	0,526	0,048	0,271	32,318	19,001	15,952	-14,741	16,810	19,657	19,672	20,118	19,382	35,634	35,701	35,693
3,000	0,199	0,201	0,526	0,049	0,266	32,329	18,989	14,442	-14,215	14,391	19,649	19,665	20,126	19,383	35,638	35,699	35,703
3,167	0,199	0,201	0,526	0,048	0,265	32,315	19,011	16,035	-12,309	9,993	19,658	19,676	20,117	19,384	35,641	35,699	35,693
3,333	0,199	0,201	0,526	0,048	0,261	32,340	19,005	24,865	-11,505	17,916	19,658	19,665	20,114	19,382	35,637	35,699	35,677
3,500	0,199	0,201	0,526	0,048	0,269	32,346	19,007	28,874	-12,472	24,402	19,655	19,653	20,111	19,383	35,640	35,698	35,695
3,667	0,199	0,201	0,526	0,047	0,270	32,372	19,011	23,866	-13,099	20,323	19,658	19,669	20,113	19,384	35,642	35,699	35,693
3,833	0,199	0,201	0,526	0,048	0,266	32,369	18,999	22,645	-14,683	28,304	19,650	19,669	20,110	19,387	35,640	35,701	35,689
4,000	0,199	0,201	0,526	0,047	0,266	32,353	19,003	16,216	-13,960	17,495	19,655	19,676	20,126	19,386	35,641	35,699	35,694
4,167	0,199	0,201	0,526	0,046	0,266	32,360	19,020	20,733	-11,166	11,980	19,663	19,670	20,113	19,384	35,642	35,699	35,698
4,333	0,199	0,201	0,526	0,047	0,264	32,372	19,015	27,323	-11,897	20,489	19,663	19,663	20,114	19,388	35,640	35,699	35,699
4,500	0,199	0,201	0,526	0,048	0,263	32,373	19,058	28,453	-11,646	23,066	19,661	19,663	20,119	19,386	35,637	35,698	35,706
4,667	0,199	0,201	0,526	0,047	0,263	32,369	19,105	29,816	-11,935	22,130	19,676	19,687	20,128	19,388	35,644	35,698	35,694
4,833	0,199	0,201	0,526	0,047	0,271	32,353	19,113	30,426	-13,477	26,187	19,674	19,676	20,121	19,388	35,644	35,697	35,697
5,000	0,199	0,202	0,526	0,047	0,264	32,381	19,092	26,025	-12,434	18,948	19,645	19,670	20,127	19,388	35,642	35,698	35,699
5,167	0,199	0,202	0,526	0,046	0,269	32,395	19,074	24,635	-14,381	25,283	19,670	19,687	20,135	19,394	35,642	35,699	35,702
5,333	0,199	0,201	0,526	0,047	0,262	32,381	19,091	14,616	-14,825	21,439	19,650	19,674	20,127	19,388	35,642	35,697	35,699
5,500	0,199	0,201	0,526	0,047	0,261	32,413	19,107	17,368	-13,156	15,635	19,660	19,688	20,135	19,392	35,644	35,699	35,685

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	35,703	18,020	18,030	-133,262	-1547,865	-0,511	0,036	555,211	1,941	10,574	4,198	2017-09-14 08:40
0,167	35,704	1,586	1,626	-19,540	-114,319	-0,518	0,036	536,819	1,912	10,716	4,226	2017-09-14 08:40
0,334	35,702	1,587	1,628	0,494	-114,357	-0,515	0,036	536,962	1,913	10,700	4,223	2017-09-14 08:40
0,500	35,700	1,588	1,627	-24,536	-121,686	-0,501	0,036	536,120	1,918	10,581	4,199	2017-09-14 08:40
0,667	35,700	1,586	1,626	-14,535	-111,857	-0,504	0,036	511,231	1,909	10,384	4,160	2017-09-14 08:41
0,834	35,702	1,588	1,629	-19,568	-114,463	-0,494	0,036	511,137	1,930	10,673	4,218	2017-09-14 08:41
1,000	35,699	1,586	1,628	-4,507	-102,053	-0,497	0,036	511,137	1,906	11,002	4,282	2017-09-14 08:41
1,167	35,698	1,587	1,625	-19,523	-104,592	-0,480	0,036	511,137	1,909	10,538	4,191	2017-09-14 08:41
1,334	35,698	1,585	1,625	-7,017	-114,131	-0,477	0,036	511,137	1,891	10,543	4,192	2017-09-14 08:41
1,500	35,699	1,583	1,625	-19,473	-116,486	-0,477	0,036	511,137	1,910	10,741	4,231	2017-09-14 08:41
1,667	35,698	1,586	1,628	-49,615	-119,173	-0,477	0,036	511,137	1,921	10,325	4,148	2017-09-14 08:42
1,834	35,699	1,584	1,627	-27,011	-114,127	-0,497	0,036	511,137	1,889	10,805	4,244	2017-09-14 08:42
2,000	35,696	1,585	1,626	0,495	-116,595	-0,501	0,036	511,043	1,929	10,366	4,157	2017-09-14 08:42
2,167	35,694	1,587	1,626	-7,023	-111,925	-0,487	0,036	511,137	1,905	10,744	4,232	2017-09-14 08:42
2,334	35,696	1,586	1,626	13,008	-116,677	-0,504	0,036	511,137	1,916	10,824	4,247	2017-09-14 08:42
2,500	35,696	1,584	1,625	-7,019	-111,714	-0,491	0,036	511,043	1,911	10,314	4,146	2017-09-14 08:42
2,667	35,694	1,586	1,627	15,534	-109,383	-0,487	0,036	511,137	1,880	10,129	4,109	2017-09-14 08:43
2,833	35,692	1,586	1,625	0,495	-121,548	-0,504	0,036	511,137	1,900	10,825	4,247	2017-09-14 08:43
3,000	35,692	1,584	1,626	20,519	-111,667	-0,497	0,036	511,137	1,960	10,643	4,212	2017-09-14 08:43
3,167	35,694	1,586	1,625	-2,024	-106,877	-0,497	0,037	511,137	1,924	10,587	4,201	2017-09-14 08:43
3,333	35,694	1,585	1,626	-32,048	-114,160	-0,494	0,036	511,137	1,918	10,455	4,174	2017-09-14 08:43
3,500	35,691	1,584	1,625	8,008	-106,833	-0,484	0,036	511,137	1,919	10,761	4,235	2017-09-14 08:43
3,667	35,692	1,585	1,625	0,495	-104,426	-0,487	0,036	511,137	1,892	10,799	4,242	2017-09-14 08:44
3,833	35,694	1,586	1,626	-9,496	-111,796	-0,494	0,036	511,159	1,904	10,627	4,209	2017-09-14 08:44
4,000	35,692	1,586	1,627	3,019	-106,935	-0,470	0,036	511,137	1,900	10,644	4,212	2017-09-14 08:44
4,167	35,690	1,586	1,625	15,520	-104,495	-0,497	0,036	511,137	1,858	10,657	4,215	2017-09-14 08:44
4,333	35,691	1,586	1,626	15,484	-109,361	-0,477	0,036	511,137	1,888	10,551	4,193	2017-09-14 08:44
4,500	35,692	1,583	1,625	25,504	-111,619	-0,466	0,036	511,137	1,910	10,518	4,187	2017-09-14 08:44
4,667	35,690	1,586	1,625	8,008	-99,623	-0,480	0,036	511,137	1,865	10,525	4,188	2017-09-14 08:45
4,833	35,691	1,586	1,625	10,479	-97,150	-0,473	0,036	511,137	1,880	10,839	4,250	2017-09-14 08:45
5,000	35,691	1,586	1,625	15,470	-102,075	-0,497	0,038	511,137	1,896	10,572	4,198	2017-09-14 08:45
5,167	35,688	1,586	1,625	25,503	-104,511	-0,484	0,038	511,137	1,848	10,763	4,235	2017-09-14 08:45
5,333	35,687	1,585	1,627	23,007	-99,540	-0,491	0,037	511,137	1,862	10,488	4,181	2017-09-14 08:45
5,500	35,688	1,585	1,626	-7,021	-102,000	-0,484	0,037	511,137	1,875	10,424	4,168	2017-09-14 08:45

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
5,667	0,199	0,201	0,526	0,047	0,260	32,425	19,116	22,036	-12,978	15,099	19,665	19,688	20,128	19,387	35,649	35,698	35,695
5,833	0,199	0,201	0,526	0,047	0,264	32,451	19,121	21,794	-14,550	25,843	19,670	19,688	20,132	19,392	35,648	35,695	35,679
6,000	0,199	0,201	0,526	0,047	0,262	32,438	19,128	18,946	-12,894	15,424	19,650	19,696	20,128	19,390	35,642	35,697	35,690
6,167	0,199	0,201	0,526	0,046	0,081	32,433	19,132	23,084	-14,262	19,671	19,666	19,686	20,126	19,392	35,645	35,697	35,682
6,333	0,199	0,201	0,526	0,046	0,041	32,455	19,130	21,585	-14,009	24,170	19,667	19,682	20,134	19,395	35,648	35,699	35,693
6,500	0,199	0,201	0,527	0,046	0,047	32,483	19,128	5,790	-15,732	19,354	19,669	19,694	20,126	19,395	35,644	35,697	35,686
6,667	0,199	0,201	0,628	0,045	0,035	32,491	19,124	11,532	-14,552	14,610	19,674	19,696	20,129	19,396	35,646	35,698	35,679
6,834	0,199	0,201	0,627	0,046	-0,030	32,492	19,126	11,279	-13,756	17,740	19,662	19,695	20,122	19,395	35,650	35,698	35,689
7,000	0,199	0,201	0,634	0,044	-0,025	32,506	19,143	16,503	-13,321	14,588	19,677	19,679	20,130	19,398	35,645	35,699	35,701
7,167	0,199	0,201	0,627	0,045	0,031	32,500	19,117	19,068	-13,254	21,022	19,670	19,705	20,123	19,396	35,650	35,698	35,698
7,334	0,199	0,201	0,628	0,045	0,084	32,540	19,108	16,850	-13,391	18,123	19,681	19,707	20,130	19,399	35,656	35,699	35,717
7,500	0,199	0,201	0,629	0,045	-0,034	32,583	19,120	20,668	-13,087	15,251	19,678	19,702	20,140	19,403	35,653	35,701	35,702
7,667	0,199	0,201	0,628	0,042	-0,131	32,628	19,117	24,467	-11,294	17,867	19,677	19,695	20,134	19,400	35,654	35,697	35,703
7,834	0,199	0,201	0,629	0,039	-0,686	32,645	19,136	25,001	-13,322	21,820	19,678	19,703	20,151	19,400	35,660	35,698	35,697
8,000	0,199	0,201	0,629	0,043	-0,568	32,876	19,132	21,040	-14,672	28,056	19,678	19,685	20,134	19,400	35,664	35,694	35,705
8,167	0,199	0,201	0,629	0,056	-0,385	33,429	19,129	13,132	-14,687	20,220	19,673	19,705	20,142	19,402	35,689	35,699	35,718
8,334	0,199	0,201	0,629	0,039	-0,554	34,073	19,123	11,798	-15,145	19,479	19,671	19,703	20,147	19,403	35,725	35,705	35,698
8,500	0,199	0,201	0,594	0,035	-0,138	34,774	19,134	11,227	-14,393	15,738	19,665	19,700	20,135	19,403	35,816	35,710	35,722
8,667	0,199	0,201	0,526	0,062	-0,584	35,433	19,116	9,337	-14,181	17,662	19,685	19,712	20,135	19,403	35,912	35,722	35,769
8,834	0,199	0,201	0,526	0,051	-0,470	36,151	19,133	8,843	-14,836	16,970	19,675	19,708	20,138	19,408	35,965	35,741	35,845
9,000	0,199	0,201	0,724	0,061	-0,455	36,839	19,123	15,211	-11,039	7,369	19,677	19,719	20,139	19,404	36,169	35,767	35,914
9,167	0,199	0,201	0,757	0,077	-0,049	37,518	19,136	23,791	-12,642	20,193	19,675	19,712	20,141	19,407	36,351	35,801	36,032
9,334	0,199	0,201	0,762	0,066	-0,470	38,317	19,155	18,634	-13,890	17,770	19,685	19,720	20,138	19,411	36,560	35,847	36,136
9,500	0,199	0,201	0,765	0,070	-0,218	38,992	19,134	19,240	-13,541	16,881	19,691	19,706	20,142	19,407	36,819	35,891	36,276
9,667	0,199	0,201	0,760	0,070	0,048	39,733	19,154	16,879	-15,120	23,400	19,689	19,724	20,130	19,408	37,016	35,950	36,436
9,833	0,199	0,201	0,750	0,075	-0,046	40,543	19,121	9,805	-15,179	19,259	19,691	19,714	20,135	19,414	37,178	36,014	36,589
10,000	0,199	0,201	0,755	0,084	0,105	41,401	19,125	15,963	-13,010	8,452	19,687	19,717	20,139	19,412	37,491	36,065	36,734
10,167	0,199	0,201	0,756	0,076	0,024	42,224	19,132	24,384	-11,162	17,802	19,691	19,724	20,137	19,412	37,726	36,129	36,906
10,333	0,199	0,201	0,758	0,099	0,202	43,147	19,144	26,629	-11,924	21,061	19,689	19,728	20,164	19,419	37,968	36,200	37,081
10,500	0,199	0,201	0,758	0,096	0,048	44,090	19,131	27,150	-11,154	21,197	19,694	19,738	20,149	19,420	38,082	36,261	37,231
10,667	0,199	0,201	0,758	0,092	0,477	45,068	19,128	25,573	-12,733	21,566	19,699	19,716	20,155	19,415	38,369	36,319	37,378
10,833	0,199	0,201	0,758	0,091	0,737	46,093	19,123	23,229	-12,595	16,168	19,703	19,716	20,138	19,414	38,678	36,384	37,544
11,000	0,199	0,201	0,757	0,087	0,726	46,975	19,136	26,046	-14,810	26,421	19,691	19,723	20,145	19,416	38,993	36,460	37,740
11,167	0,199	0,201	0,758	0,107	0,731	47,955	19,131	17,522	-14,457	17,353	19,699	19,720	20,143	19,414	39,084	36,524	37,936
11,333	0,199	0,201	0,757	0,100	0,207	49,010	19,141	15,216	-14,186	19,629	19,697	19,727	20,151	19,416	39,389	36,619	38,090
11,500	0,199	0,201	0,755	0,098	0,739	50,009	19,125	19,771	-11,520	9,360	19,693	19,716	20,152	19,416	39,534	36,690	38,273
11,667	0,199	0,201	0,758	0,113	1,321	51,025	19,131	25,816	-14,114	21,987	19,693	19,738	20,150	19,415	39,898	36,782	38,457
11,833	0,199	0,201	0,616	0,112	1,141	51,987	19,131	21,373	-13,768	24,540	19,700	19,740	20,142	19,416	40,307	36,852	38,637

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
5,667	35,688	1,585	1,627	13,018	-89,842	-0,459	0,037	511,137	1,885	10,417	4,167	2017-09-14 08:46
5,833	35,690	1,587	1,626	-19,528	-87,453	-0,504	0,037	511,043	1,879	10,556	4,194	2017-09-14 08:46
6,000	35,687	1,587	1,629	5,502	-99,704	-0,504	0,036	511,137	1,894	10,476	4,178	2017-09-14 08:46
6,167	35,687	1,587	1,627	-9,500	-94,768	-0,491	0,036	511,137	1,839	3,259	2,330	2017-09-14 08:46
6,333	35,687	1,585	1,626	10,484	-94,641	-0,501	0,036	511,137	1,852	1,651	1,659	2017-09-14 08:46
6,500	35,684	1,585	1,627	2,973	-97,129	-0,484	0,036	511,231	1,840	1,879	1,769	2017-09-14 08:46
6,667	35,684	1,586	1,625	-9,534	-94,756	-0,487	0,036	530,202	1,814	1,413	1,535	2017-09-14 08:47
6,834	35,687	1,585	1,624	3,015	-87,363	-0,511	0,036	530,122	1,832	-1,186	-9999,000	2017-09-14 08:47
7,000	35,690	1,587	1,626	20,530	-99,664	-0,487	0,036	531,381	1,778	-1,016	-9999,000	2017-09-14 08:47
7,167	35,684	1,586	1,625	25,503	-87,412	-0,497	0,036	530,122	1,815	1,254	1,446	2017-09-14 08:47
7,334	35,684	1,586	1,627	60,555	-80,094	-0,702	0,036	530,265	1,783	3,356	2,365	2017-09-14 08:47
7,500	35,682	1,586	1,626	38,041	-87,408	-0,689	0,036	530,446	1,799	-1,344	-9999,000	2017-09-14 08:47
7,667	35,684	1,585	1,625	35,490	-77,562	-0,706	0,036	530,259	1,682	-5,250	-9999,000	2017-09-14 08:48
7,834	35,684	1,586	1,626	23,004	-70,336	-0,713	0,036	530,353	1,544	-27,421	-9999,000	2017-09-14 08:48
8,000	35,684	1,586	1,627	38,045	-55,680	-0,706	0,036	530,446	1,733	-22,715	-9999,000	2017-09-14 08:48
8,167	35,682	1,583	1,626	68,067	-19,031	-0,470	0,036	530,446	2,247	-15,402	-9999,000	2017-09-14 08:48
8,334	35,684	1,586	1,624	25,485	37,079	-0,675	0,036	530,446	1,569	-22,147	-9999,000	2017-09-14 08:48
8,500	35,683	1,585	1,625	73,036	193,173	-0,695	0,036	523,843	1,418	-5,513	-9999,000	2017-09-14 08:48
8,667	35,684	1,585	1,626	158,191	346,761	-0,491	0,036	511,044	2,478	-23,345	-9999,000	2017-09-14 08:49
8,834	35,684	1,586	1,626	300,843	410,580	-0,477	0,036	511,043	2,032	-18,808	-9999,000	2017-09-14 08:49
9,000	35,684	1,587	1,627	431,013	735,636	-0,501	0,036	548,286	2,431	-18,212	-9999,000	2017-09-14 08:49
9,167	35,680	1,586	1,627	658,834	1006,264	-0,515	0,036	554,441	3,079	-1,967	-9999,000	2017-09-14 08:49
9,334	35,682	1,585	1,626	851,102	1303,564	-0,484	0,036	555,426	2,649	-18,782	-9999,000	2017-09-14 08:49
9,500	35,682	1,585	1,626	1114,024	1695,851	-0,508	0,036	555,846	2,808	-8,702	-9999,000	2017-09-14 08:49
9,667	35,683	1,587	1,626	1412,170	1950,300	-0,497	0,036	554,912	2,795	1,911	1,785	2017-09-14 08:50
9,833	35,682	1,586	1,625	1701,052	2129,441	-0,480	0,036	553,133	3,016	-1,844	-9999,000	2017-09-14 08:50
10,000	35,686	1,586	1,624	1962,093	2608,040	-0,494	0,036	554,118	3,343	4,186	2,641	2017-09-14 08:50
10,167	35,680	1,586	1,626	2298,379	2920,530	-0,480	0,036	554,284	3,048	0,975	1,275	2017-09-14 08:50
10,333	35,683	1,588	1,627	2621,953	3236,472	-0,477	0,036	554,630	3,976	8,068	3,667	2017-09-14 08:50
10,500	35,683	1,587	1,625	2901,922	3333,754	-0,487	0,036	554,629	3,857	1,913	1,785	2017-09-14 08:50
10,667	35,683	1,584	1,626	3179,840	3747,212	-0,487	0,036	554,536	3,660	19,076	5,639	2017-09-14 08:51
10,833	35,688	1,586	1,627	3480,552	4195,310	-0,497	0,036	554,629	3,621	29,479	7,009	2017-09-14 08:51
11,000	35,692	1,586	1,627	3841,433	4632,827	-0,494	0,036	554,442	3,482	29,055	6,959	2017-09-14 08:51
11,167	35,700	1,586	1,627	4194,341	4681,242	-0,477	0,036	554,629	4,270	29,239	6,981	2017-09-14 08:51
11,333	35,714	1,586	1,625	4452,920	5064,626	-0,497	0,036	554,530	3,997	8,282	3,715	2017-09-14 08:51
11,500	35,731	1,588	1,628	4771,675	5207,496	-0,501	0,036	554,119	3,939	29,550	7,018	2017-09-14 08:51
11,667	35,747	1,587	1,627	5084,729	5702,126	-0,497	0,036	554,540	4,539	52,860	9,386	2017-09-14 08:52
11,833	35,772	1,586	1,626	5373,821	6319,334	-0,491	0,036	528,061	4,491	45,660	8,724	2017-09-14 08:52

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
12,000	0,199	0,201	0,751	0,113	1,395	53,136	19,125	17,982	-12,275	9,343	19,711	19,720	20,143	19,419	40,782	36,960	38,950
12,167	0,199	0,201	0,743	0,117	1,418	54,151	19,102	27,011	-11,767	19,047	19,676	19,736	20,145	19,414	41,227	37,086	39,233
12,333	0,199	0,201	0,748	0,123	1,595	55,253	19,119	25,579	-13,141	21,689	19,693	19,749	20,155	19,418	41,631	37,211	39,556
12,500	0,199	0,201	0,743	0,133	1,631	56,392	19,144	24,847	-14,405	28,356	19,702	19,742	20,143	19,420	41,978	37,353	39,821
12,667	0,199	0,201	0,746	0,134	1,309	57,738	19,132	17,735	-14,327	18,712	19,695	19,729	20,151	19,423	42,655	37,477	40,128
12,833	0,199	0,201	0,747	0,138	2,162	58,865	19,112	17,914	-13,869	16,734	19,697	19,732	20,158	19,419	42,913	37,617	40,483
13,000	0,199	0,201	0,747	0,133	1,827	59,989	19,120	21,432	-13,352	16,914	19,724	19,748	20,154	19,420	43,494	37,745	40,725
13,167	0,199	0,201	0,746	0,146	2,070	61,006	19,143	24,425	-11,956	19,937	19,689	19,733	20,159	19,422	43,619	37,868	41,077
13,334	0,199	0,201	0,523	0,148	2,413	62,188	19,128	24,608	-12,567	22,299	19,699	19,740	20,157	19,423	43,992	38,038	41,308
13,500	0,199	0,201	0,522	0,148	2,193	63,356	19,123	23,334	-13,907	24,063	19,699	19,739	20,143	19,423	44,644	38,142	41,606
13,667	0,199	0,201	0,522	0,128	2,692	64,631	19,110	19,659	-14,384	21,067	19,701	19,742	20,149	19,426	45,115	38,329	42,030
13,834	0,199	0,201	0,522	0,157	2,983	65,778	19,118	21,086	-13,088	16,320	19,712	19,737	20,160	19,424	45,246	38,508	42,372
14,000	0,199	0,201	0,522	0,157	2,978	66,937	19,133	22,849	-13,371	23,980	19,715	19,754	20,157	19,423	45,754	38,605	42,608
14,167	0,199	0,201	0,522	0,160	3,058	68,138	19,119	19,450	-15,165	20,933	19,706	19,758	20,146	19,426	45,948	38,766	42,875
14,334	0,199	0,201	0,522	0,174	3,346	69,224	19,127	20,526	-14,289	19,609	19,711	19,748	20,162	19,427	46,631	38,912	43,129
14,500	0,199	0,201	0,521	0,172	3,554	70,341	19,123	21,231	-14,053	21,221	19,711	19,753	20,151	19,426	46,858	39,079	43,597
14,667	0,199	0,201	0,521	0,178	4,396	71,638	19,132	19,136	-13,623	19,709	19,712	19,750	20,167	19,427	47,258	39,268	43,930
14,834	0,199	0,201	0,521	0,183	3,870	72,838	19,137	17,701	-14,495	20,563	19,697	19,752	20,168	19,428	47,660	39,424	44,252
15,000	0,199	0,201	0,521	0,181	4,614	73,974	19,132	17,600	-13,833	18,026	19,710	19,748	20,172	19,426	48,305	39,606	44,572
15,167	0,199	0,201	0,521	0,185	4,314	75,024	19,049	17,204	-14,234	21,489	19,710	19,765	20,170	19,430	48,503	39,766	44,885
15,334	0,199	0,201	0,520	0,185	4,043	76,380	19,075	16,321	-14,416	18,716	19,710	19,757	20,167	19,428	49,154	39,952	45,215
15,500	0,199	0,201	0,520	0,199	4,532	77,709	19,103	17,210	-13,362	14,050	19,715	19,773	20,168	19,431	49,419	40,115	45,583
15,667	0,199	0,201	0,520	0,195	4,032	78,920	19,134	19,655	-13,516	16,423	19,714	19,749	20,155	19,431	50,118	40,328	45,943
15,834	0,199	0,201	0,520	0,186	4,928	79,863	19,098	21,596	-13,165	20,132	19,707	19,753	20,157	19,430	50,464	40,487	46,266
16,000	0,199	0,201	0,520	0,194	4,525	80,931	19,113	20,304	-12,802	21,405	19,710	19,763	20,168	19,430	50,728	40,665	46,596
16,167	0,199	0,201	0,520	0,196	3,871	82,165	19,123	18,613	-13,747	12,617	19,707	19,756	20,164	19,431	51,328	40,862	46,912
16,333	0,199	0,201	0,519	0,200	4,913	83,051	19,119	23,338	-13,330	25,984	19,715	19,767	20,155	19,431	51,914	41,062	47,239
16,500	0,199	0,202	0,519	0,213	5,523	83,752	19,105	17,502	-14,666	18,441	19,699	19,762	20,174	19,430	51,755	41,234	47,708
16,667	0,199	0,201	0,519	0,203	4,781	84,718	19,138	16,273	-13,498	9,577	19,713	19,766	20,161	19,434	52,667	41,462	47,926
16,833	0,199	0,201	0,519	0,218	4,318	85,745	19,127	23,068	-12,552	23,785	19,709	19,754	20,158	19,434	52,344	41,619	48,250
17,000	0,199	0,201	0,519	0,216	5,770	86,631	19,136	18,239	-13,720	17,268	19,705	19,769	20,157	19,434	52,740	41,835	48,507
17,167	0,199	0,201	0,519	0,221	4,959	87,405	19,088	18,645	-12,731	15,652	19,723	19,777	20,169	19,437	53,153	41,943	48,625
17,333	0,199	0,201	0,518	0,212	5,072	88,061	19,055	22,649	-13,034	18,925	19,726	19,766	20,161	19,437	53,583	42,145	48,964
17,500	0,199	0,201	0,519	0,211	5,391	88,834	19,066	22,947	-11,319	16,342	19,713	19,769	20,176	19,439	54,013	42,323	49,263
17,667	0,199	0,201	0,518	0,208	4,967	89,574	19,066	24,817	-11,199	20,590	19,723	19,769	20,189	19,437	54,085	42,516	49,571
17,833	0,199	0,201	0,518	0,233	5,720	90,335	19,084	28,415	-12,317	23,020	19,713	19,752	20,179	19,437	54,717	42,709	49,792
18,000	0,199	0,201	0,518	0,222	5,755	90,912	19,058	28,372	-12,352	20,871	19,728	19,761	20,159	19,437	55,215	42,876	50,143
18,167	0,199	0,201	0,518	0,224	4,037	91,699	19,102	23,682	-13,928	25,203	19,723	19,768	20,170	19,439	55,292	43,119	50,467

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
12,000	35,795	1,586	1,627	5918,646	6989,487	-0,487	0,036	553,320	4,537	55,801	9,644	2017-09-14 08:52
12,167	35,819	1,587	1,625	6399,709	7577,838	-0,473	0,036	551,822	4,676	56,709	9,722	2017-09-14 08:52
12,333	35,847	1,588	1,625	6951,732	8088,952	-0,494	0,036	552,759	4,918	63,790	10,311	2017-09-14 08:52
12,500	35,878	1,588	1,627	7400,362	8467,901	-0,477	0,036	551,822	5,330	65,230	10,427	2017-09-14 08:52
12,667	35,906	1,587	1,628	7926,386	9474,105	-0,484	0,037	552,339	5,369	52,354	9,341	2017-09-14 08:53
12,833	35,941	1,587	1,629	8536,647	9689,404	-0,685	0,037	552,620	5,533	86,487	12,006	2017-09-14 08:53
13,000	35,974	1,588	1,627	8913,015	10518,079	-0,689	0,037	552,526	5,323	73,083	11,037	2017-09-14 08:53
13,167	36,013	1,589	1,625	9491,000	10530,514	-0,689	0,037	552,432	5,822	82,793	11,747	2017-09-14 08:53
13,334	36,054	1,587	1,626	9854,773	10892,670	-0,678	0,036	510,530	5,938	96,513	12,683	2017-09-14 08:53
13,500	36,102	1,589	1,628	10330,270	11905,305	-0,685	0,037	510,436	5,906	87,716	12,091	2017-09-14 08:53
13,667	36,150	1,588	1,627	11029,120	12415,584	-0,678	0,037	510,436	5,109	107,686	13,397	2017-09-14 08:54
13,834	36,202	1,589	1,625	11560,995	12338,189	-0,702	0,037	510,436	6,279	119,316	14,102	2017-09-14 08:54
14,000	36,253	1,587	1,626	11920,737	13076,980	-0,689	0,036	510,343	6,285	119,132	14,091	2017-09-14 08:54
14,167	36,312	1,587	1,627	12310,204	13136,369	-0,675	0,036	510,342	6,414	122,313	14,278	2017-09-14 08:54
14,334	36,380	1,587	1,628	12669,786	14117,133	-0,494	0,037	510,342	6,976	133,841	14,935	2017-09-14 08:54
14,500	36,452	1,591	1,628	13414,303	14255,109	-0,491	0,036	510,248	6,875	142,141	15,392	2017-09-14 08:54
14,667	36,527	1,589	1,626	13883,007	14624,926	-0,494	0,036	510,154	7,117	175,854	17,120	2017-09-14 08:55
14,834	36,605	1,587	1,626	14340,634	15061,958	-0,477	0,037	510,247	7,328	154,811	16,063	2017-09-14 08:55
15,000	36,691	1,588	1,627	14782,285	15909,935	-0,487	0,037	510,154	7,255	184,543	17,538	2017-09-14 08:55
15,167	36,776	1,590	1,628	15220,305	16003,548	-0,477	0,037	510,154	7,406	172,540	16,958	2017-09-14 08:55
15,334	36,863	1,590	1,628	15678,951	16858,153	-0,487	0,037	510,060	7,399	161,734	16,418	2017-09-14 08:55
15,500	36,959	1,590	1,629	16194,780	17043,554	-0,692	0,037	510,061	7,943	181,284	17,382	2017-09-14 08:55
15,667	37,048	1,589	1,629	16703,069	17912,946	-0,685	0,037	509,968	7,810	161,265	16,394	2017-09-14 08:56
15,834	37,146	1,590	1,627	17103,153	18269,144	-0,685	0,037	509,968	7,437	197,124	18,126	2017-09-14 08:56
16,000	37,257	1,588	1,627	17518,476	18400,082	-0,695	0,037	509,968	7,773	180,989	17,368	2017-09-14 08:56
16,167	37,365	1,590	1,626	17900,782	19166,797	-0,685	0,037	509,968	7,822	154,857	16,065	2017-09-14 08:56
16,333	37,472	1,591	1,628	18330,556	19874,394	-0,702	0,037	509,826	7,991	196,535	18,099	2017-09-14 08:56
16,500	37,581	1,589	1,628	19000,707	19244,922	-0,695	0,038	509,732	8,536	220,938	19,189	2017-09-14 08:56
16,667	37,701	1,590	1,628	19188,213	20516,556	-0,695	0,037	509,825	8,108	191,251	17,854	2017-09-14 08:57
16,833	37,827	1,590	1,628	19560,429	19634,289	-0,695	0,037	509,732	8,703	172,714	16,966	2017-09-14 08:57
17,000	37,958	1,592	1,626	19777,524	19985,454	-0,484	0,037	509,732	8,626	230,787	19,612	2017-09-14 08:57
17,167	38,091	1,592	1,629	19783,580	20539,761	-0,477	0,037	509,732	8,843	198,355	18,182	2017-09-14 08:57
17,333	38,219	1,592	1,628	20159,360	20957,544	-0,459	0,036	509,639	8,489	202,881	18,388	2017-09-14 08:57
17,500	38,353	1,592	1,628	20475,279	21422,326	-0,664	0,037	509,732	8,449	215,625	18,957	2017-09-14 08:57
17,667	38,488	1,590	1,628	20791,124	21171,490	-0,459	0,037	509,638	8,303	198,664	18,196	2017-09-14 08:58
17,833	38,635	1,590	1,626	20912,216	21977,950	-0,456	0,037	509,638	9,319	228,784	19,527	2017-09-14 08:58
18,000	38,784	1,591	1,628	21311,642	22584,956	-0,473	0,037	509,545	8,868	230,217	19,588	2017-09-14 08:58
18,167	38,930	1,590	1,630	21673,099	22271,485	-0,470	0,037	509,545	8,970	161,484	16,405	2017-09-14 08:58

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
18,333	0,199	0,201	0,517	0,228	3,972	92,306	19,081	21,030	-13,203	17,483	19,723	19,761	20,178	19,440	55,510	43,304	50,702
18,500	0,199	0,201	0,517	0,234	3,961	93,154	19,097	24,311	-12,050	18,340	19,731	19,769	20,173	19,441	55,812	43,431	50,801
18,667	0,199	0,201	0,517	0,234	3,893	93,870	19,092	26,301	-12,418	20,289	19,715	19,769	20,183	19,440	56,184	43,582	50,967
18,833	0,199	0,201	0,517	0,232	3,820	94,518	19,095	27,979	-11,763	21,602	19,726	19,783	20,184	19,451	56,677	43,740	51,275
19,000	0,199	0,201	0,516	0,237	3,807	95,253	19,092	27,567	-13,712	25,336	19,725	19,781	20,173	19,443	56,713	43,973	51,649
19,167	0,199	0,202	0,529	0,232	3,796	95,890	19,071	22,942	-14,928	27,184	19,721	19,778	20,174	19,441	56,999	44,224	51,928
19,333	0,199	0,201	0,516	0,244	3,711	96,592	19,093	19,386	-12,758	13,767	19,722	19,777	20,178	19,443	57,338	44,411	52,172
19,500	0,199	0,201	0,516	0,239	3,797	97,254	19,080	22,838	-12,438	16,122	19,732	19,777	20,170	19,441	57,781	44,573	52,386
19,667	0,199	0,201	0,524	0,230	3,779	97,873	19,066	24,493	-11,932	18,782	19,738	19,786	20,174	19,445	57,885	44,778	52,785
19,833	0,199	0,201	0,516	0,236	3,706	98,407	19,082	27,288	-12,939	28,112	19,731	19,774	20,180	19,445	58,211	44,995	53,002
20,000	0,199	0,201	0,515	0,239	3,750	98,830	19,083	18,135	-14,387	15,468	19,719	19,786	20,174	19,447	59,007	45,190	53,356
20,167	0,199	0,201	0,515	0,230	3,556	99,517	19,079	18,944	-12,241	13,121	19,726	19,787	20,178	19,449	59,226	45,442	53,744
20,334	0,199	0,201	0,515	0,231	3,689	100,413	19,084	27,584	-11,785	24,352	19,726	19,779	20,191	19,441	59,467	45,640	53,966
20,500	0,199	0,201	0,515	0,249	3,513	100,857	19,059	24,391	-12,526	17,842	19,719	19,764	20,184	19,443	59,458	45,854	54,241
20,667	0,199	0,201	0,515	0,254	3,604	101,418	19,067	27,319	-13,200	25,986	19,729	19,785	20,182	19,449	60,070	46,048	54,426
20,834	0,199	0,201	0,515	0,254	3,450	101,910	19,072	18,980	-13,313	18,642	19,735	19,786	20,174	19,448	60,450	46,247	54,744
21,000	0,199	0,201	0,514	0,241	3,547	102,412	19,062	17,227	-15,171	23,140	19,738	19,787	20,184	19,451	60,814	46,448	55,007
21,167	0,199	0,201	0,514	0,245	3,417	102,795	19,071	8,906	-11,811	17,157	19,740	19,781	20,188	19,448	60,502	46,640	55,270
21,334	0,199	0,201	0,514	0,256	3,498	103,309	19,067	19,269	-13,272	14,368	19,730	19,779	20,191	19,449	61,083	46,856	55,480
21,500	0,199	0,201	0,514	0,253	3,481	103,746	19,072	21,752	-12,623	17,031	19,721	19,791	20,183	19,444	61,197	47,051	55,773
21,667	0,199	0,201	0,514	0,266	3,408	104,045	19,049	25,481	-13,899	26,945	19,744	19,781	20,178	19,448	61,608	47,235	55,929
21,834	0,199	0,201	0,514	0,271	3,418	104,501	19,028	19,925	-13,059	11,675	19,740	19,800	20,184	19,449	61,536	47,407	56,170
22,000	0,199	0,201	0,513	0,262	3,287	104,819	19,003	24,221	-12,716	20,384	19,743	19,773	20,179	19,445	61,882	47,589	56,254
22,167	0,199	0,201	0,555	0,263	3,336	105,312	19,089	26,623	-11,724	20,106	19,742	19,773	20,178	19,449	62,080	47,767	56,537
22,334	0,199	0,201	0,555	0,269	3,355	105,858	19,096	28,551	-12,822	21,706	19,740	19,785	20,186	19,448	62,431	47,949	56,685
22,500	0,199	0,201	0,535	0,277	3,169	106,248	19,083	27,668	-14,483	31,938	19,735	19,789	20,178	19,449	62,470	48,143	56,944
22,667	0,199	0,201	0,554	0,270	3,210	106,613	19,057	50,024	-13,888	18,097	19,739	19,783	20,185	19,452	62,642	48,375	57,116
22,834	0,199	0,201	0,554	0,272	3,238	107,049	19,065	30,012	-8,900	9,766	19,729	19,789	20,186	19,451	62,958	48,548	57,308
23,000	0,199	0,201	0,554	0,270	3,240	107,430	19,096	20,570	-12,739	26,553	19,755	19,794	20,182	19,452	62,784	48,736	57,523
23,167	0,199	0,201	0,554	0,269	2,923	107,727	19,100	16,155	-13,631	20,421	19,742	19,783	20,190	19,449	62,881	48,928	57,686
23,333	0,199	0,201	0,553	0,277	2,781	108,110	19,092	14,612	-14,333	16,987	19,746	19,782	20,181	19,453	63,122	49,073	57,768
23,500	0,199	0,201	0,554	0,267	3,131	107,917	19,086	14,892	-9,254	17,089	19,743	19,781	20,191	19,451	63,208	49,244	57,919
23,667	0,199	0,201	0,554	0,264	3,005	107,296	19,114	-9,749	-4,452	17,621	19,735	19,791	20,181	19,453	63,221	49,421	58,076
23,833	0,199	0,201	0,553	0,260	2,696	106,528	19,108	0,596	-10,554	19,712	19,734	19,797	20,205	19,453	63,137	49,579	58,162
24,000	0,199	0,201	0,553	0,262	2,916	105,951	19,091	-2,539	-10,722	15,593	19,764	19,784	20,192	19,457	63,446	49,725	58,134
24,167	0,199	0,201	0,553	0,261	2,673	105,869	19,117	21,920	-12,675	19,567	19,747	19,790	20,178	19,453	63,466	49,843	58,288
24,333	0,199	0,201	0,553	0,268	2,851	106,272	19,121	17,911	-10,576	14,931	19,748	19,790	20,186	19,457	63,264	50,003	58,314
24,500	0,199	0,201	0,553	0,276	2,675	106,807	19,154	20,745	-14,111	23,212	19,757	19,790	20,190	19,455	63,299	50,173	58,405

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
18,333	39,077	1,589	1,630	21834,959	22312,423	-0,480	0,037	509,451	9,101	158,891	16,273	2017-09-14 08:58
18,500	39,231	1,590	1,626	21675,839	22657,264	-0,473	0,037	509,451	9,341	158,454	16,251	2017-09-14 08:58
18,667	39,390	1,589	1,626	21694,453	23036,362	-0,484	0,037	509,451	9,359	155,737	16,111	2017-09-14 08:59
18,833	39,559	1,589	1,627	21966,314	23657,592	-0,473	0,037	509,451	9,280	152,816	15,959	2017-09-14 08:59
19,000	39,721	1,591	1,628	22373,227	23324,468	-0,487	0,037	509,267	9,476	152,265	15,930	2017-09-14 08:59
19,167	39,882	1,593	1,629	22609,403	23408,439	-0,487	0,038	511,747	9,285	151,837	15,908	2017-09-14 08:59
19,333	40,033	1,593	1,629	22771,321	23691,534	-0,484	0,037	509,265	9,747	148,447	15,729	2017-09-14 08:59
19,500	40,187	1,592	1,630	22897,081	24180,095	-0,497	0,037	509,264	9,543	151,889	15,911	2017-09-14 08:59
19,667	40,352	1,592	1,629	23329,533	23993,177	-0,487	0,037	510,763	9,219	151,163	15,873	2017-09-14 09:00
19,833	40,519	1,592	1,627	23389,395	24196,530	-0,484	0,036	509,265	9,452	148,260	15,719	2017-09-14 09:00
20,000	40,688	1,593	1,631	23792,633	25314,342	-0,487	0,036	509,119	9,551	150,000	15,811	2017-09-14 09:00
20,167	40,859	1,592	1,630	24181,399	25229,607	-0,484	0,036	509,120	9,208	142,222	15,396	2017-09-14 09:00
20,334	41,038	1,592	1,628	24233,988	25306,232	-0,484	0,036	509,026	9,256	147,573	15,683	2017-09-14 09:00
20,500	41,221	1,593	1,631	24450,653	24915,796	-0,491	0,036	509,026	9,971	140,518	15,303	2017-09-14 09:00
20,667	41,389	1,592	1,628	24439,371	25663,599	-0,477	0,036	509,026	10,170	144,147	15,500	2017-09-14 09:01
20,834	41,555	1,594	1,631	24770,721	26015,519	-0,463	0,036	509,026	10,159	137,985	15,165	2017-09-14 09:01
21,000	41,713	1,593	1,631	24954,242	26309,370	-0,661	0,036	508,932	9,646	141,880	15,377	2017-09-14 09:01
21,167	41,887	1,593	1,628	25089,196	25385,530	-0,668	0,036	508,932	9,790	136,689	15,094	2017-09-14 09:01
21,334	42,067	1,592	1,630	25165,176	26032,199	-0,470	0,037	508,932	10,252	139,913	15,271	2017-09-14 09:01
21,500	42,252	1,595	1,630	25371,087	25921,516	-0,449	0,036	508,839	10,136	139,225	15,233	2017-09-14 09:01
21,667	42,433	1,592	1,630	25322,260	26301,513	-0,445	0,036	508,839	10,646	136,330	15,074	2017-09-14 09:02
21,834	42,616	1,595	1,631	25447,525	25894,692	-0,445	0,036	508,838	10,829	136,714	15,095	2017-09-14 09:02
22,000	42,810	1,594	1,629	25210,997	26180,217	-0,466	0,037	508,744	10,485	131,494	14,804	2017-09-14 09:02
22,167	43,003	1,592	1,629	25365,675	26184,431	-0,685	0,037	516,624	10,504	133,443	14,913	2017-09-14 09:02
22,334	43,204	1,593	1,631	25299,652	26503,198	-0,685	0,037	516,531	10,776	134,196	14,955	2017-09-14 09:02
22,500	43,401	1,593	1,631	25413,341	26218,130	-0,692	0,037	512,821	11,060	126,748	14,534	2017-09-14 09:02
22,667	43,589	1,595	1,631	25384,670	26138,632	-0,675	0,037	516,437	10,791	128,416	14,630	2017-09-14 09:03
22,834	43,769	1,595	1,632	25424,402	26395,710	-0,706	0,037	516,437	10,891	129,517	14,692	2017-09-14 09:03
23,000	43,953	1,595	1,631	25465,393	25731,411	-0,678	0,036	516,344	10,784	129,591	14,696	2017-09-14 09:03
23,167	44,142	1,595	1,629	25387,512	25553,345	-0,685	0,037	516,437	10,741	116,908	13,959	2017-09-14 09:03
23,333	44,341	1,595	1,633	25214,082	25730,893	-0,685	0,037	516,249	11,089	111,228	13,615	2017-09-14 09:03
23,500	44,533	1,593	1,630	25087,987	25545,653	-0,699	0,037	516,344	10,670	125,258	14,449	2017-09-14 09:03
23,667	44,728	1,593	1,631	25032,379	25246,237	-0,675	0,037	516,323	10,568	120,214	14,155	2017-09-14 09:04
23,833	44,926	1,592	1,630	24808,819	24780,123	-0,664	0,037	516,249	10,390	107,824	13,405	2017-09-14 09:04
24,000	45,121	1,596	1,632	24423,142	25135,114	-0,685	0,037	516,249	10,464	116,629	13,942	2017-09-14 09:04
24,167	45,314	1,596	1,633	24358,767	24962,918	-0,692	0,037	516,249	10,458	106,922	13,349	2017-09-14 09:04
24,333	45,504	1,596	1,629	23994,790	24289,468	-0,671	0,037	516,249	10,735	114,029	13,786	2017-09-14 09:04
24,500	45,692	1,595	1,630	23823,024	24038,597	-0,678	0,037	516,249	11,054	106,998	13,354	2017-09-14 09:04

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
24,667	0,199	0,201	0,553	0,276	2,709	107,327	19,210	19,403	-12,895	17,435	19,747	19,793	20,178	19,456	63,649	50,291	58,463
24,833	0,199	0,201	0,553	0,283	2,748	107,795	19,175	21,602	-12,906	14,556	19,746	19,803	20,181	19,459	63,871	50,447	58,637
25,000	0,199	0,201	0,553	0,273	2,796	108,249	19,178	22,193	-14,298	22,708	19,754	19,803	20,185	19,457	64,048	50,611	58,765
25,167	0,199	0,201	0,553	0,271	2,817	108,889	19,178	21,096	-14,425	26,005	19,748	19,807	20,189	19,457	63,964	50,770	58,864
25,333	0,199	0,201	0,552	0,287	2,830	109,440	19,139	16,523	-14,531	19,479	19,750	19,811	20,190	19,457	64,418	50,961	59,062
25,500	0,199	0,201	0,552	0,290	2,795	109,910	19,230	15,326	-15,230	18,560	19,761	19,810	20,196	19,461	64,625	51,166	59,355
25,667	0,199	0,202	0,552	0,282	2,769	110,427	19,264	13,271	-14,106	16,846	19,759	19,803	20,185	19,463	64,420	51,323	59,458
25,833	0,199	0,202	0,552	0,283	2,774	110,977	19,279	13,602	-17,336	11,440	19,758	19,802	20,217	19,465	64,904	51,522	59,630
26,000	0,199	0,202	0,552	0,298	2,750	111,504	19,247	15,129	-14,370	9,813	19,755	19,802	20,204	19,464	65,018	51,689	59,882
26,167	0,199	0,201	0,552	0,281	2,751	111,847	19,287	17,877	-12,859	10,815	19,763	19,803	20,196	19,465	65,158	51,874	60,031
26,333	0,199	0,201	0,551	0,289	2,734	112,086	19,328	22,750	-12,634	20,304	19,761	19,805	20,185	19,463	65,676	52,083	60,249
26,500	0,199	0,201	0,551	0,286	2,690	112,433	19,402	19,609	-13,219	19,564	19,756	19,816	20,199	19,464	65,827	52,250	60,598
26,667	0,199	0,202	0,551	0,277	2,697	112,725	19,373	20,234	-11,983	12,368	19,752	19,803	20,206	19,467	66,292	52,507	60,880
26,833	0,199	0,201	0,551	0,288	2,673	113,198	19,305	27,083	-12,799	21,343	19,759	19,812	20,191	19,467	66,768	52,684	61,176
27,000	0,199	0,202	0,551	0,300	2,646	113,851	19,282	25,801	-13,710	28,358	19,750	19,806	20,202	19,468	66,874	52,886	61,447
27,167	0,199	0,201	0,550	0,280	2,622	114,383	19,273	19,095	-15,554	22,430	19,750	19,803	20,197	19,468	66,601	53,063	61,664
27,334	0,199	0,201	0,550	0,289	2,547	114,950	19,292	14,622	-14,487	15,125	19,752	19,818	20,189	19,468	67,504	53,272	61,764
27,500	0,199	0,201	0,550	0,294	2,486	115,476	19,333	17,438	-12,216	10,244	19,764	19,818	20,206	19,469	67,734	53,401	62,127
27,667	0,199	0,201	0,550	0,305	2,543	116,014	19,351	26,894	-13,141	16,951	19,751	19,826	20,195	19,468	68,053	53,657	62,365
27,834	0,199	0,202	0,550	0,302	2,563	116,454	19,336	62,538	5,401	28,882	19,763	19,810	20,199	19,476	68,869	53,879	62,794
28,000	0,199	0,201	0,550	0,289	2,550	116,980	19,316	25,643	-14,031	18,079	19,760	19,828	20,203	19,476	68,657	54,108	63,148
28,167	0,199	0,202	0,549	0,297	2,530	117,319	19,307	21,134	-13,435	20,099	19,764	19,821	20,214	19,479	69,346	54,316	63,279
28,334	0,199	0,201	0,549	0,309	2,443	117,884	19,316	19,201	-15,677	22,274	19,780	19,814	20,202	19,479	69,523	54,508	63,674
28,500	0,199	0,201	0,549	0,294	2,415	118,204	19,321	21,139	-14,973	18,894	19,772	19,835	20,207	19,477	69,887	54,762	64,065
28,667	0,199	0,201	0,549	0,321	2,494	118,757	19,319	16,220	-14,746	23,025	19,775	19,823	20,194	19,479	70,126	54,994	64,414
28,834	0,199	0,201	0,549	0,304	2,470	119,202	19,326	14,453	-15,426	15,219	19,791	19,833	20,227	19,492	70,331	55,225	64,651
29,000	0,199	0,201	0,548	0,302	2,420	119,416	19,257	21,473	-14,033	15,293	19,778	19,844	20,209	19,485	70,694	55,431	64,910
29,167	0,199	0,201	0,548	0,295	2,350	119,766	19,292	25,098	-13,179	19,566	19,776	19,855	20,213	19,489	71,213	55,620	65,112
29,334	0,199	0,201	0,547	0,302	2,428	120,178	19,354	24,425	-14,628	21,463	19,776	19,843	20,214	19,481	71,593	55,859	65,528
29,500	0,199	0,201	0,547	0,301	2,389	120,522	19,352	27,563	-13,410	22,085	19,780	19,822	20,219	19,492	71,946	56,067	65,823
29,667	0,199	0,201	0,547	0,313	2,279	120,910	19,366	20,654	-14,515	22,534	19,787	19,839	20,205	19,487	72,555	56,301	66,155
29,833	0,199	0,201	0,547	0,309	2,394	121,171	19,418	14,400	-15,697	11,329	19,762	19,832	20,203	19,485	72,860	56,524	66,586
30,000	0,199	0,201	0,547	0,312	2,366	121,470	19,405	22,423	-13,828	15,929	19,785	19,831	20,207	19,485	73,097	56,811	66,865
30,167	0,199	0,201	0,547	0,297	2,207	121,943	19,365	21,506	-12,684	14,257	19,774	19,839	20,213	19,491	73,014	57,002	67,063
30,333	0,199	0,201	0,546	0,307	2,354	122,284	19,324	4,153	-16,350	27,268	19,779	19,842	20,228	19,491	74,108	57,210	67,388
30,500	0,199	0,202	0,546	0,299	2,251	122,715	19,285	23,129	-13,626	18,952	19,780	19,850	20,226	19,491	74,094	57,453	67,777
30,667	0,199	0,202	0,546	0,313	2,186	123,035	19,132	0,945	-12,076	17,263	19,787	19,833	20,223	19,489	74,523	57,644	67,969
30,833	0,199	0,201	0,546	0,320	2,336	123,409	19,203	210,149	119,729	54,103	19,788	19,846	20,221	19,497	73,896	57,891	68,226

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
24,667	45,875	1,596	1,630	23590,473	24470,606	-0,463	0,037	516,156	11,057	108,357	13,439	2017-09-14 09:05
24,833	46,063	1,596	1,633	23600,236	24585,267	-0,466	0,037	516,156	11,312	109,916	13,535	2017-09-14 09:05
25,000	46,254	1,598	1,632	23464,726	24637,326	-0,497	0,037	516,157	10,937	111,846	13,653	2017-09-14 09:05
25,167	46,449	1,595	1,633	23296,842	24144,558	-0,477	0,037	516,156	10,832	112,687	13,704	2017-09-14 09:05
25,333	46,648	1,595	1,631	23274,803	24630,012	-0,463	0,037	516,063	11,463	113,210	13,736	2017-09-14 09:05
25,500	46,834	1,595	1,632	23483,522	24627,145	-0,491	0,037	516,062	11,604	111,810	13,651	2017-09-14 09:05
25,667	47,013	1,593	1,631	23326,446	23941,884	-0,689	0,038	515,970	11,275	110,771	13,587	2017-09-14 09:06
25,833	47,194	1,595	1,631	23309,020	24482,690	-0,480	0,038	516,062	11,310	110,946	13,598	2017-09-14 09:06
26,000	47,377	1,595	1,631	23430,093	24386,156	-0,477	0,038	515,970	11,911	110,004	13,540	2017-09-14 09:06
26,167	47,548	1,592	1,631	23391,072	24259,227	-0,459	0,037	515,970	11,250	110,042	13,543	2017-09-14 09:06
26,333	47,711	1,596	1,634	23533,782	24887,346	-0,466	0,037	515,828	11,540	109,366	13,501	2017-09-14 09:06
26,500	47,877	1,596	1,633	23858,324	24857,261	-0,477	0,037	515,827	11,425	107,596	13,391	2017-09-14 09:06
26,667	48,047	1,600	1,633	24064,529	25303,330	-0,470	0,038	515,827	11,099	107,894	13,410	2017-09-14 09:07
26,833	48,214	1,598	1,634	24326,572	25812,557	-0,463	0,037	515,747	11,506	106,935	13,350	2017-09-14 09:07
27,000	48,385	1,596	1,631	24473,790	25594,775	-0,463	0,038	515,733	12,001	105,858	13,283	2017-09-14 09:07
27,167	48,561	1,597	1,632	24563,232	24786,131	-0,466	0,037	515,640	11,218	104,889	13,222	2017-09-14 09:07
27,334	48,730	1,598	1,631	24412,296	26069,337	-0,466	0,037	515,641	11,570	101,899	13,032	2017-09-14 09:07
27,500	48,907	1,596	1,632	24780,493	26219,611	-0,692	0,037	515,640	11,760	99,452	12,875	2017-09-14 09:07
27,667	49,093	1,597	1,633	24883,485	26359,225	-0,671	0,037	515,640	12,217	101,700	13,019	2017-09-14 09:08
27,834	49,268	1,598	1,631	25326,037	27451,572	-0,668	0,038	515,546	12,086	102,503	13,070	2017-09-14 09:08
28,000	49,443	1,595	1,632	25686,421	26603,764	-0,463	0,037	515,547	11,573	101,988	13,038	2017-09-14 09:08
28,167	49,613	1,597	1,633	25616,851	27501,796	-0,682	0,038	515,453	11,871	101,220	12,988	2017-09-14 09:08
28,334	49,783	1,597	1,632	26029,131	27486,867	-0,668	0,037	515,453	12,357	97,718	12,762	2017-09-14 09:08
28,500	49,958	1,598	1,631	26413,956	27694,085	-0,682	0,036	515,360	11,762	96,600	12,689	2017-09-14 09:08
28,667	50,132	1,599	1,632	26762,185	27723,105	-0,685	0,037	515,360	12,821	99,764	12,895	2017-09-14 09:09
28,834	50,317	1,596	1,632	26856,360	27630,315	-0,692	0,036	515,359	12,148	98,786	12,831	2017-09-14 09:09
29,000	50,513	1,599	1,633	26975,922	27965,582	-0,473	0,036	515,266	12,075	96,788	12,701	2017-09-14 09:09
29,167	50,700	1,601	1,633	27002,343	28590,555	-0,716	0,037	515,267	11,810	94,014	12,518	2017-09-14 09:09
29,334	50,888	1,599	1,634	27447,441	28819,260	-0,709	0,037	515,119	12,083	97,139	12,724	2017-09-14 09:09
29,500	51,074	1,598	1,634	27656,309	29056,787	-0,709	0,037	515,120	12,053	95,561	12,620	2017-09-14 09:09
29,667	51,256	1,599	1,634	27935,548	29771,673	-0,699	0,037	515,120	12,527	91,156	12,326	2017-09-14 09:10
29,833	51,446	1,599	1,634	28382,597	29918,786	-0,692	0,037	515,026	12,351	95,759	12,633	2017-09-14 09:10
30,000	51,629	1,599	1,632	28534,343	29821,867	-0,685	0,037	515,026	12,495	94,634	12,559	2017-09-14 09:10
30,167	51,829	1,598	1,636	28585,144	29299,914	-0,459	0,037	515,026	11,893	88,296	12,131	2017-09-14 09:10
30,333	52,028	1,599	1,634	28788,269	30927,991	-0,487	0,037	514,931	12,277	94,176	12,528	2017-09-14 09:10
30,500	52,223	1,601	1,634	29153,275	30492,931	-0,473	0,038	514,931	11,947	90,025	12,249	2017-09-14 09:10
30,667	52,432	1,601	1,636	29150,623	30935,677	-0,477	0,038	514,839	12,524	87,442	12,072	2017-09-14 09:11
30,833	52,642	1,598	1,633	29186,155	29264,380	-0,709	0,037	514,839	12,795	93,438	12,479	2017-09-14 09:11

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
31,000	0,199	0,202	0,546	0,320	1,035	123,788	19,284	17,786	-14,330	21,450	19,795	19,843	20,235	19,504	75,045	58,145	68,494
31,167	0,199	0,202	0,546	0,299	0,310	123,895	19,330	20,720	-14,521	24,828	19,800	19,862	20,238	19,515	75,374	58,373	69,011
31,333	0,199	0,202	0,545	0,317	0,298	124,239	19,327	18,475	-19,436	20,817	19,793	19,854	20,228	19,497	75,187	58,670	69,266
31,500	0,199	0,201	0,545	0,319	0,289	124,314	19,341	27,642	-19,900	12,313	19,780	19,850	20,206	19,499	76,328	58,808	69,425
31,667	0,199	0,201	0,545	0,310	0,292	124,494	19,341	22,370	-14,901	23,412	19,790	19,850	20,213	19,496	75,839	59,075	69,863
31,833	0,199	0,201	0,545	0,319	0,288	124,636	19,325	19,534	-14,944	18,649	19,795	19,863	20,227	19,508	76,304	59,296	69,888
32,000	0,199	0,201	0,545	0,310	0,297	124,806	19,330	23,896	-13,583	18,430	19,784	19,854	20,225	19,499	76,489	59,437	70,149
32,167	0,199	0,202	0,545	0,324	-0,230	124,924	19,296	24,169	-13,365	20,336	19,796	19,845	20,225	19,505	76,106	59,697	70,402
32,333	0,199	0,201	0,544	0,321	-0,245	125,093	19,301	22,882	-9,522	24,205	19,796	19,851	20,231	19,511	77,040	59,901	70,449
32,500	0,199	0,201	0,544	0,313	-0,249	125,217	19,323	17,304	-15,213	15,726	19,778	19,845	20,229	19,507	77,147	60,039	70,773
32,667	0,199	0,201	0,544	0,318	-0,556	125,367	19,321	18,934	-12,665	19,017	19,784	19,855	20,208	19,507	77,484	60,312	70,976
32,833	0,199	0,201	0,544	0,322	-0,489	125,374	19,317	22,761	-12,246	23,028	19,811	19,862	20,244	19,515	77,597	60,491	71,206
33,000	0,199	0,201	0,544	0,317	-0,674	125,392	19,387	18,027	1,896	15,671	19,783	19,859	20,227	19,507	77,702	60,707	71,445
33,167	0,199	0,201	0,543	0,315	-0,623	125,459	19,402	18,853	-10,114	17,687	19,802	19,863	20,235	19,515	77,693	60,947	71,609
33,333	0,199	0,201	0,543	0,317	-0,540	125,582	19,340	18,832	-11,136	15,877	19,800	19,843	20,239	19,512	78,193	61,123	71,710
33,500	0,199	0,201	0,543	0,327	0,083	125,563	19,375	23,185	-12,260	23,181	19,808	19,883	20,246	19,530	78,242	61,347	71,940
33,667	0,199	0,201	0,543	0,325	0,013	125,516	19,339	20,490	-13,788	21,538	19,816	19,865	20,239	19,522	78,417	61,528	72,118
33,834	0,199	0,201	0,543	0,319	0,001	125,590	19,333	14,898	-12,238	18,875	19,799	19,868	20,225	19,515	78,779	61,720	72,258
34,000	0,199	0,201	0,543	0,317	2,321	125,574	19,329	17,197	-13,024	16,852	19,811	19,857	20,237	19,532	78,622	61,935	72,503
34,167	0,199	0,201	0,542	0,318	0,318	125,651	19,316	13,689	-10,267	9,406	19,815	19,859	20,242	19,530	78,775	62,149	72,596
34,334	0,199	0,201	0,543	0,322	0,099	125,639	19,330	21,384	-4,113	14,270	19,817	19,863	20,239	19,522	78,872	62,330	72,740
34,500	0,199	0,201	0,542	0,317	0,245	125,554	19,334	24,097	-9,028	26,483	19,815	19,870	20,251	19,525	78,417	62,536	72,946
34,667	0,199	0,201	0,542	0,319	0,240	125,307	19,347	15,376	-15,923	16,499	19,819	19,872	20,243	19,525	79,008	62,725	72,940
34,834	0,199	0,201	0,542	0,322	0,262	125,195	19,279	16,394	-13,301	16,986	19,806	19,870	20,235	19,518	79,278	62,809	73,087
35,000	0,199	0,201	0,542	0,326	0,263	125,118	19,334	34,926	-12,568	14,851	19,809	19,889	20,246	19,532	79,634	63,030	73,307
35,167	0,199	0,201	0,542	0,318	0,264	125,052	19,312	17,982	-17,900	21,796	19,810	19,858	20,224	19,521	79,317	63,187	73,596
35,345	0,199	0,201	0,542	0,311	0,268	125,024	19,316	13,729	-12,506	13,397	19,791	19,849	20,233	19,518	79,567	63,359	73,649
35,500	0,199	0,201	0,541	0,325	0,254	124,899	19,306	21,696	-14,365	21,248	19,802	19,857	20,224	19,518	79,634	63,386	73,653
35,667	0,199	0,201	0,541	0,318	0,259	124,821	19,327	21,034	-15,185	23,181	19,823	19,867	20,226	19,520	79,391	63,423	73,709
35,834	0,199	0,201	0,541	0,319	0,258	124,654	19,350	17,923	-13,280	17,971	19,804	19,864	20,229	19,521	79,712	63,421	73,684
36,000	0,199	0,201	0,541	0,313	0,263	124,601	19,339	10,582	-16,721	11,299	19,791	19,862	20,234	19,520	80,038	63,392	73,783
36,167	0,199	0,201	0,541	0,317	0,261	124,574	19,301	24,659	-14,339	19,740	19,803	19,870	20,231	19,518	79,873	63,437	73,942
36,334	0,199	0,201	0,541	0,319	0,252	124,555	19,295	20,152	-13,207	16,158	19,800	19,875	20,242	19,521	79,849	63,474	73,989
36,500	0,199	0,201	0,541	0,316	0,259	124,563	19,321	23,166	-13,741	17,872	19,816	19,889	20,246	19,522	80,024	63,470	73,958
36,667	0,199	0,201	0,541	0,323	0,260	124,478	19,203	24,421	-13,490	22,722	19,807	19,868	20,239	19,522	80,034	63,513	74,033
36,833	0,199	0,201	0,541	0,322	0,254	124,327	19,100	24,969	-13,817	23,458	19,806	19,880	20,246	19,528	80,051	63,537	74,047
37,000	0,199	0,201	0,541	0,325	0,255	124,384	19,202	19,020	-14,441	18,750	19,816	19,867	20,239	19,526	79,544	63,541	74,080
37,167	0,199	0,201	0,540	0,325	0,250	124,614	19,252	18,686	-14,904	16,861	19,808	19,880	20,242	19,526	79,715	63,581	73,945

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
31,000	52,855	1,599	1,635	29322,965	30932,947	-0,702	0,038	514,848	12,789	41,399	8,307	2017-09-14 09:11
31,167	53,053	1,602	1,634	29902,900	31173,632	-0,706	0,038	514,838	11,961	12,386	4,544	2017-09-14 09:11
31,333	53,253	1,602	1,636	30046,577	30281,534	-0,692	0,038	514,744	12,696	11,905	4,454	2017-09-14 09:11
31,500	53,451	1,601	1,633	29906,719	32088,257	-0,689	0,037	514,703	12,767	11,566	4,390	2017-09-14 09:11
31,667	53,658	1,601	1,634	30361,330	30711,075	-0,695	0,037	514,650	12,415	11,672	4,411	2017-09-14 09:12
31,833	53,870	1,603	1,635	30028,927	31197,155	-0,689	0,037	514,650	12,742	11,529	4,384	2017-09-14 09:12
32,000	54,093	1,604	1,634	30078,050	31285,784	-0,689	0,037	514,650	12,391	11,868	4,448	2017-09-14 09:12
32,167	54,315	1,602	1,637	30183,430	30068,589	-0,695	0,038	514,650	12,946	-9,185	-9999,000	2017-09-14 09:12
32,333	54,529	1,604	1,637	29869,654	31436,882	-0,689	0,037	514,556	12,857	-9,782	-9999,000	2017-09-14 09:12
32,500	54,746	1,604	1,636	30042,054	31378,426	-0,473	0,037	514,464	12,531	-9,955	-9999,000	2017-09-14 09:12
32,667	54,961	1,601	1,635	30013,297	31434,249	-0,692	0,037	514,464	12,723	-22,241	-9999,000	2017-09-14 09:13
32,833	55,184	1,601	1,637	30053,664	31312,664	-0,480	0,037	514,463	12,872	-19,542	-9999,000	2017-09-14 09:13
33,000	55,406	1,601	1,636	30058,412	31101,733	-0,484	0,037	514,463	12,680	-26,954	-9999,000	2017-09-14 09:13
33,167	55,621	1,602	1,639	30009,858	30671,269	-0,477	0,037	514,321	12,584	-24,910	-9999,000	2017-09-14 09:13
33,333	55,834	1,606	1,637	29774,142	31342,542	-0,480	0,037	514,321	12,668	-21,590	-9999,000	2017-09-14 09:13
33,500	56,063	1,603	1,637	29772,733	30948,882	-0,484	0,037	514,321	13,076	3,321	2,353	2017-09-14 09:13
33,667	56,284	1,601	1,637	29684,104	30914,019	-0,470	0,036	514,321	12,983	0,535	0,944	2017-09-14 09:14
33,834	56,507	1,604	1,637	29531,060	31268,513	-0,487	0,037	514,236	12,747	0,047	0,279	2017-09-14 09:14
34,000	56,733	1,607	1,635	29520,815	30640,804	-0,484	0,037	514,227	12,689	92,820	12,438	2017-09-14 09:14
34,167	56,941	1,605	1,633	29276,059	30482,444	-0,484	0,037	514,134	12,718	12,721	4,605	2017-09-14 09:14
34,334	57,162	1,606	1,635	29157,046	30348,435	-0,473	0,037	514,227	12,863	3,958	2,569	2017-09-14 09:14
34,500	57,365	1,604	1,633	29127,990	29095,398	-0,504	0,037	514,133	12,698	9,780	4,037	2017-09-14 09:14
34,667	57,546	1,606	1,634	28792,161	29877,872	-0,480	0,037	514,134	12,778	9,604	4,001	2017-09-14 09:15
34,834	57,711	1,607	1,631	28700,262	30233,883	-0,477	0,037	514,134	12,865	10,479	4,179	2017-09-14 09:15
35,000	57,853	1,607	1,631	28853,885	30470,337	-0,466	0,037	514,039	13,029	10,526	4,189	2017-09-14 09:15
35,167	57,923	1,608	1,629	29227,963	29623,740	-0,491	0,037	514,040	12,726	10,573	4,198	2017-09-14 09:15
35,345	57,993	1,609	1,632	29244,723	29782,941	-0,463	0,037	514,039	12,456	10,704	4,224	2017-09-14 09:15
35,500	57,979	1,606	1,627	29180,582	29792,595	-0,484	0,037	513,946	13,013	10,153	4,114	2017-09-14 09:15
35,667	57,928	1,605	1,631	29456,691	29273,800	-0,459	0,037	513,946	12,700	10,343	4,152	2017-09-14 09:16
35,834	57,869	1,608	1,628	29474,980	29919,274	-0,487	0,037	513,946	12,764	10,332	4,150	2017-09-14 09:16
36,000	57,879	1,610	1,629	29658,950	30598,474	-0,497	0,037	513,946	12,534	10,524	4,188	2017-09-14 09:16
36,167	57,844	1,608	1,631	30048,183	30185,874	-0,497	0,037	513,945	12,680	10,456	4,175	2017-09-14 09:16
36,334	57,892	1,608	1,628	29999,863	30073,232	-0,491	0,037	513,852	12,773	10,077	4,098	2017-09-14 09:16
36,500	57,909	1,608	1,629	29920,783	30401,056	-0,484	0,037	513,852	12,634	10,357	4,155	2017-09-14 09:16
36,667	57,905	1,609	1,627	30035,095	30355,680	-0,470	0,037	513,852	12,938	10,412	4,166	2017-09-14 09:17
36,833	57,926	1,609	1,626	30012,756	30341,228	-0,473	0,037	513,853	12,896	10,153	4,114	2017-09-14 09:17
37,000	57,984	1,611	1,626	29961,461	29442,927	-0,491	0,037	513,853	12,981	10,214	4,126	2017-09-14 09:17
37,167	58,045	1,610	1,626	29588,160	29657,274	-0,494	0,037	513,759	13,007	9,989	4,080	2017-09-14 09:17

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
37,333	0,199	0,201	0,540	0,319	0,253	124,997	19,261	25,230	-12,105	22,358	19,820	19,878	20,234	19,525	79,698	63,599	73,888
37,500	0,199	0,201	0,540	0,329	0,255	125,471	19,273	26,913	-15,244	25,322	19,812	19,883	20,249	19,530	79,555	63,616	73,958
37,667	0,199	0,201	0,539	0,330	0,251	125,938	19,316	15,155	-15,036	14,489	19,814	19,876	20,228	19,526	79,851	63,655	73,949
37,833	0,199	0,201	0,539	0,323	0,256	126,461	19,321	19,040	-13,918	12,494	19,827	19,880	20,234	19,528	80,393	63,708	74,223
38,000	0,199	0,201	0,539	0,330	0,256	126,945	19,077	23,282	-13,804	20,233	19,808	19,868	20,242	19,526	80,246	63,739	74,395
38,167	0,199	0,201	0,539	0,325	0,260	127,335	19,053	25,289	-14,411	21,100	19,818	19,875	20,245	19,530	80,355	63,692	74,354
38,333	0,199	0,201	0,539	0,336	0,253	127,695	19,184	25,510	-9,831	25,652	19,812	19,892	20,238	19,530	80,452	63,681	74,418
38,500	0,199	0,201	0,539	0,328	0,258	127,863	19,164	29,870	-21,873	3,806	19,820	19,888	20,241	19,530	79,854	63,653	74,478
38,667	0,199	0,201	0,539	0,331	0,254	128,084	19,189	21,644	-13,853	15,460	19,815	19,880	20,238	19,532	80,945	63,607	74,423
38,833	0,199	0,201	0,539	0,327	0,252	128,357	19,235	20,843	-16,454	10,314	19,801	19,884	20,246	19,533	81,177	63,619	74,588
39,000	0,199	0,201	0,538	0,333	0,255	128,506	19,240	21,859	-13,680	20,570	19,816	19,892	20,246	19,533	80,671	63,615	74,877
39,167	0,199	0,201	0,538	0,331	0,251	128,865	19,244	16,287	-15,773	10,824	19,820	19,888	20,257	19,534	80,957	63,590	74,712
39,333	0,199	0,201	0,538	0,328	0,255	129,256	19,240	27,609	-6,977	22,707	19,815	19,890	20,243	19,533	81,945	63,608	74,931
39,500	0,199	0,201	0,538	0,330	0,251	129,483	19,227	28,478	-9,562	20,889	19,823	19,900	20,257	19,536	82,086	63,630	75,212
39,667	0,199	0,201	0,538	0,326	0,248	129,640	19,232	27,300	-11,407	24,309	19,817	19,905	20,251	19,541	81,975	63,645	75,310
39,833	0,199	0,201	0,538	0,335	0,247	129,714	19,247	24,909	-12,060	19,466	19,819	19,899	20,233	19,534	82,122	63,615	75,426
40,000	0,199	0,201	0,537	0,336	0,254	130,057	19,251	23,175	-12,073	16,466	19,826	19,905	20,249	19,541	82,346	63,572	75,547
40,167	0,199	0,201	0,537	0,325	0,249	130,408	19,266	26,079	-13,122	20,335	19,828	19,917	20,258	19,540	82,114	63,541	75,513
40,333	0,199	0,201	0,537	0,329	0,249	130,652	19,252	27,190	-11,935	22,626	19,832	19,916	20,244	19,544	82,427	63,485	75,491
40,500	0,199	0,201	0,537	0,337	0,253	130,890	19,269	26,571	-14,650	29,461	19,820	19,908	20,250	19,544	83,069	63,444	75,534
40,667	0,199	0,201	0,537	0,330	0,245	131,015	19,270	21,437	-13,873	20,206	19,838	19,920	20,254	19,548	82,661	63,409	75,759
40,834	0,199	0,201	0,537	0,330	0,247	131,400	19,260	27,704	-11,794	17,338	19,834	19,923	20,271	19,553	82,834	63,386	75,706
41,000	0,199	0,201	0,537	0,337	0,256	131,582	19,307	29,441	-9,059	24,604	19,847	19,909	20,258	19,550	82,487	63,316	75,683
41,167	0,199	0,201	0,537	0,335	0,249	131,735	19,349	26,098	-10,215	20,197	19,832	19,913	20,263	19,546	82,804	63,291	75,707
41,334	0,199	0,201	0,536	0,325	0,256	132,031	19,204	28,020	-12,585	23,582	19,827	19,919	20,258	19,548	83,030	63,229	75,705
41,500	0,199	0,201	0,536	0,342	0,251	132,107	19,193	22,253	-13,573	26,707	19,829	19,915	20,277	19,554	82,677	63,170	75,807
41,667	0,199	0,201	0,536	0,332	0,248	132,255	19,243	19,567	-7,817	28,198	19,838	19,923	20,265	19,552	83,208	63,146	75,803
41,834	0,199	0,201	0,536	0,332	0,250	132,434	19,265	15,822	-16,996	12,360	19,839	19,933	20,266	19,556	82,996	63,062	75,752
42,000	0,199	0,201	0,536	0,335	0,249	132,455	19,280	17,357	-13,609	13,152	19,839	19,920	20,271	19,553	83,219	63,023	75,795
42,167	0,199	0,201	0,536	0,349	0,251	132,555	19,291	24,430	-12,755	21,372	19,851	19,928	20,267	19,553	82,930	63,003	75,849
42,334	0,199	0,201	0,536	0,331	0,255	132,767	19,286	25,314	-13,459	25,904	19,856	19,925	20,253	19,556	83,096	62,985	75,840
42,500	0,199	0,201	0,535	0,333	0,252	133,014	19,281	20,010	-15,331	22,018	19,854	19,929	20,270	19,564	83,151	62,984	75,865
42,667	0,199	0,201	0,535	0,346	0,251	133,288	19,272	15,324	-13,606	13,845	19,847	19,925	20,256	19,550	82,916	62,914	75,838
42,834	0,199	0,201	0,536	0,344	0,256	133,337	19,277	15,744	-13,537	13,306	19,844	19,924	20,264	19,557	83,341	62,871	75,857
43,000	0,199	0,201	0,945	0,334	0,252	133,419	19,284	21,894	-14,717	31,065	19,842	19,925	20,270	19,558	82,933	62,821	75,946
43,167	0,199	0,201	0,544	0,340	0,255	133,367	19,299	15,422	-18,617	4,551	19,836	19,936	20,278	19,561	82,684	62,811	75,871
43,334	0,199	0,201	0,535	0,326	0,251	132,720	19,333	21,577	-15,216	7,854	19,850	19,936	20,269	19,565	83,270	62,773	75,814
43,500	0,199	0,201	0,547	0,336	0,252	132,075	19,307	22,224	-12,169	16,861	19,856	19,928	20,256	19,562	82,887	62,667	75,813

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
37,333	58,110	1,612	1,623	29313,283	29633,831	-0,484	0,037	513,759	12,750	10,120	4,107	2017-09-14 09:17
37,500	58,125	1,607	1,623	29403,262	29250,967	-0,497	0,037	513,759	13,159	10,217	4,126	2017-09-14 09:17
37,667	58,077	1,608	1,622	29466,174	29746,496	-0,491	0,037	513,619	13,186	10,027	4,088	2017-09-14 09:18
37,833	58,023	1,611	1,620	30043,351	30690,443	-0,487	0,037	513,619	12,927	10,241	4,131	2017-09-14 09:18
38,000	57,958	1,611	1,622	30510,112	30368,565	-0,466	0,037	513,621	13,187	10,249	4,133	2017-09-14 09:18
38,167	57,879	1,610	1,621	30561,820	30628,496	-0,473	0,037	513,619	13,014	10,380	4,159	2017-09-14 09:18
38,333	57,774	1,610	1,618	30819,506	30828,109	-0,477	0,037	513,525	13,444	10,107	4,104	2017-09-14 09:18
38,500	57,706	1,609	1,619	31082,044	29775,787	-0,494	0,037	513,525	13,126	10,308	4,145	2017-09-14 09:18
38,667	57,670	1,611	1,616	30993,717	31902,057	-0,480	0,037	513,526	13,222	10,160	4,115	2017-09-14 09:19
38,833	57,554	1,611	1,616	31514,521	32307,038	-0,484	0,037	513,525	13,086	10,084	4,100	2017-09-14 09:19
39,000	57,477	1,612	1,615	32162,974	31403,740	-0,484	0,037	513,431	13,334	10,211	4,125	2017-09-14 09:19
39,167	57,450	1,613	1,615	31907,881	31991,142	-0,480	0,037	513,338	13,230	10,042	4,091	2017-09-14 09:19
39,333	57,364	1,614	1,612	32416,461	33807,469	-0,463	0,037	513,431	13,102	10,195	4,122	2017-09-14 09:19
39,500	57,290	1,611	1,612	33078,272	33962,392	-0,466	0,037	513,431	13,199	10,040	4,091	2017-09-14 09:19
39,667	57,143	1,614	1,609	33471,352	33781,849	-0,466	0,037	513,338	13,048	9,939	4,070	2017-09-14 09:20
39,833	57,055	1,610	1,612	33904,772	34037,580	-0,466	0,037	513,338	13,388	9,862	4,054	2017-09-14 09:20
40,000	56,930	1,613	1,609	34297,106	34579,333	-0,480	0,037	513,244	13,452	10,177	4,118	2017-09-14 09:20
40,167	56,855	1,615	1,610	34392,437	34261,327	-0,695	0,037	513,244	12,994	9,952	4,073	2017-09-14 09:20
40,333	56,793	1,613	1,606	34400,341	34911,429	-0,678	0,037	513,243	13,157	9,963	4,075	2017-09-14 09:20
40,500	56,688	1,608	1,608	34700,385	36053,600	-0,689	0,036	513,150	13,463	10,112	4,105	2017-09-14 09:20
40,667	56,587	1,613	1,607	35289,702	35462,685	-0,695	0,037	513,150	13,182	9,790	4,039	2017-09-14 09:21
40,834	56,489	1,611	1,608	35392,999	35789,571	-0,692	0,037	513,150	13,219	9,874	4,057	2017-09-14 09:21
41,000	56,417	1,614	1,610	35525,933	35355,661	-0,501	0,037	513,150	13,464	10,239	4,131	2017-09-14 09:21
41,167	56,370	1,613	1,609	35634,349	35948,506	-0,501	0,037	513,244	13,403	9,954	4,073	2017-09-14 09:21
41,334	56,229	1,608	1,607	35862,160	36381,949	-0,491	0,037	513,056	12,989	10,230	4,129	2017-09-14 09:21
41,500	56,110	1,604	1,607	36269,262	35739,059	-0,699	0,037	513,056	13,666	10,045	4,092	2017-09-14 09:21
41,667	56,035	1,610	1,607	36404,804	36897,423	-0,484	0,037	513,056	13,284	9,932	4,069	2017-09-14 09:22
41,834	55,998	1,610	1,607	36373,411	36659,317	-0,678	0,037	512,963	13,279	10,008	4,084	2017-09-14 09:22
42,000	55,950	1,610	1,606	36511,165	37145,281	-0,689	0,037	512,964	13,402	9,969	4,076	2017-09-14 09:22
42,167	55,909	1,613	1,607	36724,914	36719,609	-0,682	0,037	512,964	13,941	10,034	4,089	2017-09-14 09:22
42,334	55,879	1,604	1,606	36727,966	36858,570	-0,689	0,037	512,964	13,234	10,193	4,122	2017-09-14 09:22
42,500	55,806	1,611	1,604	36871,890	37116,019	-0,671	0,036	512,821	13,306	10,073	4,097	2017-09-14 09:22
42,667	55,680	1,610	1,606	37095,788	36790,970	-0,699	0,037	512,821	13,830	10,052	4,093	2017-09-14 09:23
42,834	55,625	1,607	1,604	37193,822	37578,330	-0,689	0,036	513,006	13,757	10,246	4,132	2017-09-14 09:23
43,000	55,577	1,606	1,606	37486,437	36905,563	-0,702	0,036	589,751	13,357	10,089	4,101	2017-09-14 09:23
43,167	55,526	1,610	1,604	37405,527	36568,389	-0,692	0,036	514,464	13,617	10,200	4,123	2017-09-14 09:23
43,334	55,471	1,610	1,606	37432,295	37700,422	-0,685	0,036	512,728	13,042	10,053	4,093	2017-09-14 09:23
43,500	55,410	1,609	1,606	37546,538	37174,688	-0,695	0,036	515,120	13,434	10,089	4,101	2017-09-14 09:23

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
43,667	0,199	0,201	0,548	0,327	0,256	131,292	19,309	25,836	-13,063	26,029	19,844	19,944	20,265	19,561	82,956	62,669	75,671
43,833	0,199	0,201	0,535	0,333	0,251	130,633	19,288	13,512	-13,660	16,535	19,846	19,949	20,274	19,564	82,924	62,595	75,614
44,000	0,199	0,201	0,535	0,334	0,252	130,104	19,284	20,196	-32,490	12,416	19,855	19,935	20,277	19,565	82,835	62,570	75,559
44,167	0,199	0,201	0,535	0,334	0,255	129,656	19,285	17,947	-11,686	19,507	19,865	19,949	20,277	19,572	82,758	61,577	74,334
44,333	0,199	0,201	0,534	0,331	0,252	129,381	19,428	15,924	-13,411	11,847	19,854	19,943	20,299	19,580	82,631	61,006	74,150
44,500	0,199	0,201	0,534	0,324	0,249	129,089	19,369	17,852	-12,181	10,257	19,864	19,949	20,286	19,576	82,826	60,880	74,245
44,667	0,199	0,201	0,534	0,324	0,256	128,871	19,373	26,805	-10,504	19,401	19,858	19,937	20,270	19,568	82,773	61,029	73,798
44,833	0,199	0,201	0,534	0,338	0,248	128,563	19,443	29,791	-11,038	20,581	19,852	19,945	20,280	19,573	82,781	60,510	73,491
45,000	0,199	0,201	0,534	0,330	0,257	128,334	19,411	28,636	-13,731	25,880	19,847	19,944	20,269	19,566	82,257	60,412	73,425
45,167	0,199	0,201	0,534	0,322	0,247	128,102	19,407	23,950	-6,115	28,273	19,847	19,929	20,275	19,561	82,687	60,375	73,243
45,333	0,199	0,201	0,534	0,327	0,254	127,971	19,396	26,232	-5,129	18,548	19,863	19,940	20,277	19,578	82,221	60,369	74,047
45,500	0,199	0,201	0,534	0,323	0,240	127,798	19,398	24,135	-10,867	18,903	19,848	19,963	20,269	19,569	82,715	61,143	74,789
45,667	0,199	0,201	0,534	0,322	0,249	127,880	19,402	28,576	-9,844	29,577	19,867	19,965	20,280	19,577	82,163	61,321	74,939
45,833	0,199	0,202	0,534	0,330	0,245	127,747	19,421	25,749	-3,960	26,891	19,864	19,953	20,291	19,576	81,943	61,326	74,830
46,000	0,199	0,202	0,534	0,332	0,256	127,718	19,458	27,154	-5,216	20,977	19,867	19,956	20,277	19,576	81,814	61,323	75,021
46,167	0,199	0,201	0,534	0,323	0,246	127,769	19,437	27,442	-9,675	25,723	19,859	19,956	20,274	19,578	81,964	61,563	75,088
46,333	0,199	0,202	0,534	0,329	0,252	127,830	19,480	24,214	-7,873	20,544	19,876	19,968	20,288	19,584	82,028	61,548	75,035
46,500	0,199	0,202	0,534	0,326	0,251	127,815	19,468	25,044	-9,507	24,640	19,862	19,953	20,289	19,578	81,884	61,530	75,102
46,667	0,199	0,202	0,533	0,330	0,254	127,894	19,481	23,709	-13,071	24,355	19,856	19,945	20,285	19,572	81,938	61,597	75,078
46,833	0,199	0,201	0,533	0,328	0,255	127,711	19,449	18,498	-15,880	13,041	19,873	19,946	20,278	19,574	81,871	61,614	75,151
47,000	0,199	0,201	0,533	0,322	0,251	126,922	19,459	19,923	-13,675	15,383	19,866	19,949	20,278	19,578	81,510	61,587	75,052
47,167	0,199	0,201	0,533	0,323	0,255	126,113	19,471	24,915	-10,709	16,691	19,849	19,969	20,289	19,578	81,836	61,571	75,001
47,334	0,199	0,201	0,533	0,315	0,249	125,258	19,487	25,476	-14,731	31,710	19,859	19,954	20,284	19,581	81,907	61,443	74,985
47,500	0,199	0,201	0,533	0,313	0,254	124,496	19,467	17,614	-14,575	19,708	19,866	19,953	20,280	19,582	81,567	61,359	74,905
47,667	0,199	0,201	0,533	0,316	0,261	123,775	19,478	17,113	-12,931	7,815	19,875	19,966	20,309	19,594	80,954	61,294	74,794
47,834	0,199	0,201	0,533	0,318	0,243	123,051	19,582	26,994	-16,207	28,558	19,888	19,980	20,305	19,598	81,228	61,222	74,572
48,000	0,199	0,201	0,533	0,308	0,252	122,371	19,550	18,620	-15,915	22,418	19,886	19,972	20,301	19,596	80,661	61,144	74,426
48,167	0,199	0,201	0,533	0,316	0,251	121,718	19,526	16,364	-14,626	19,125	19,883	19,981	20,302	19,601	80,155	61,111	74,201
48,334	0,199	0,201	0,533	0,308	0,254	121,054	19,525	16,360	-14,124	15,082	19,892	19,994	20,309	19,593	79,892	61,085	73,931
48,500	0,199	0,201	0,533	0,312	0,257	120,434	19,476	21,194	-11,058	12,419	19,876	19,974	20,288	19,593	79,688	61,050	73,731
48,667	0,199	0,201	0,538	0,309	0,247	119,880	19,456	26,472	-12,116	19,379	19,882	19,990	20,304	19,603	79,339	61,027	73,569
48,834	0,199	0,201	0,539	0,311	0,258	119,410	19,480	26,088	-13,949	19,842	19,882	19,966	20,286	19,593	78,992	60,968	73,355
49,000	0,199	0,201	0,542	0,309	0,248	118,957	19,479	25,961	-15,156	24,486	19,861	19,981	20,292	19,589	79,233	60,910	73,108
49,167	0,199	0,201	0,541	0,301	0,252	118,594	19,462	21,057	-14,966	16,243	19,884	19,973	20,282	19,592	78,804	60,796	72,986
49,334	0,199	0,201	0,542	0,307	0,263	118,194	19,517	22,236	-15,250	19,437	19,878	19,991	20,310	19,598	78,567	60,740	72,812
49,500	0,199	0,201	0,534	0,310	0,254	117,853	19,537	43,502	-14,887	28,303	19,904	19,988	20,327	19,613	78,505	60,703	72,659
49,667	0,199	0,201	0,537	0,309	0,254	117,640	19,522	21,718	-13,470	10,623	19,894	19,990	20,306	19,606	78,026	60,663	72,500
49,834	0,199	0,201	0,533	0,308	0,260	117,590	19,553	13,601	-11,702	22,580	19,905	20,007	20,321	19,615	78,039	60,604	72,342

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
43,667	55,363	1,616	1,606	37387,554	37469,869	-0,682	0,037	515,266	13,091	10,258	4,135	2017-09-14 09:24
43,833	55,331	1,612	1,605	37317,147	37441,134	-0,702	0,036	512,728	13,311	10,031	4,089	2017-09-14 09:24
44,000	55,312	1,587	1,606	37259,372	36747,208	-0,484	0,037	512,728	13,345	10,097	4,102	2017-09-14 09:24
44,167	55,289	1,397	1,607	35074,404	33840,831	-0,470	0,037	512,728	13,354	10,215	4,126	2017-09-14 09:24
44,333	55,253	1,390	1,606	34779,011	34373,573	-0,470	0,037	512,634	13,223	10,072	4,097	2017-09-14 09:24
44,500	55,201	1,389	1,568	34230,716	34855,124	-0,459	0,037	512,634	12,945	9,971	4,076	2017-09-14 09:24
44,667	55,163	1,390	1,638	34988,664	34559,297	-0,459	0,037	512,634	12,969	10,221	4,127	2017-09-14 09:25
44,833	55,137	1,389	1,689	35526,994	35378,024	-0,452	0,037	512,634	13,539	9,936	4,069	2017-09-14 09:25
45,000	55,151	1,388	1,689	35362,564	34698,040	-0,487	0,037	512,634	13,195	10,289	4,141	2017-09-14 09:25
45,167	55,143	1,389	1,689	35033,697	35443,363	-0,463	0,037	512,634	12,865	9,872	4,056	2017-09-14 09:25
45,333	55,099	1,388	1,575	34210,613	34705,980	-0,675	0,037	512,540	13,061	10,177	4,119	2017-09-14 09:25
45,500	55,068	1,389	1,453	32832,000	34254,432	-0,699	0,037	512,631	12,930	9,585	3,997	2017-09-14 09:25
45,667	55,044	1,390	1,452	33117,203	33120,638	-0,678	0,037	512,540	12,892	9,941	4,070	2017-09-14 09:26
45,833	55,026	1,388	1,452	32965,834	32730,760	-0,689	0,038	512,540	13,190	9,810	4,043	2017-09-14 09:26
46,000	54,979	1,390	1,413	32458,023	32560,206	-0,463	0,038	512,540	13,281	10,245	4,132	2017-09-14 09:26
46,167	54,929	1,390	1,389	32101,393	32411,479	-0,473	0,037	512,540	12,923	9,827	4,047	2017-09-14 09:26
46,333	54,977	1,389	1,391	31968,815	32523,282	-0,466	0,038	512,540	13,180	10,066	4,096	2017-09-14 09:26
46,500	55,059	1,389	1,391	31952,753	32313,880	-0,477	0,038	512,540	13,044	10,028	4,088	2017-09-14 09:26
46,667	55,023	1,391	1,392	31994,950	32341,715	-0,494	0,038	512,446	13,192	10,147	4,112	2017-09-14 09:27
46,833	54,995	1,389	1,390	32102,984	32165,502	-0,491	0,037	512,446	13,119	10,182	4,119	2017-09-14 09:27
47,000	54,929	1,390	1,394	32151,523	31652,314	-0,480	0,037	512,446	12,881	10,039	4,091	2017-09-14 09:27
47,167	54,738	1,390	1,392	32336,949	32194,344	-0,480	0,037	512,446	12,922	10,212	4,126	2017-09-14 09:27
47,334	54,671	1,388	1,392	32412,795	32487,636	-0,442	0,037	512,353	12,594	9,967	4,076	2017-09-14 09:27
47,500	54,643	1,388	1,393	32355,759	32078,444	-0,473	0,037	512,446	12,503	10,165	4,116	2017-09-14 09:27
47,667	54,612	1,391	1,393	32230,019	31263,609	-0,466	0,037	512,353	12,642	10,430	4,169	2017-09-14 09:28
47,834	54,588	1,386	1,390	31835,744	31711,512	-0,501	0,037	512,446	12,724	9,725	4,026	2017-09-14 09:28
48,000	54,672	1,387	1,393	31545,983	30962,400	-0,463	0,037	512,446	12,327	10,071	4,097	2017-09-14 09:28
48,167	54,790	1,391	1,395	31037,864	30283,907	-0,463	0,037	512,353	12,630	10,060	4,095	2017-09-14 09:28
48,334	54,841	1,390	1,396	30548,078	29880,637	-0,484	0,037	512,446	12,325	10,179	4,119	2017-09-14 09:28
48,500	54,857	1,391	1,396	30207,559	29633,658	-0,484	0,037	512,353	12,460	10,276	4,138	2017-09-14 09:28
48,667	54,866	1,392	1,395	29913,577	29139,242	-0,678	0,037	513,338	12,366	9,890	4,060	2017-09-14 09:29
48,834	54,823	1,390	1,396	29646,827	28643,540	-0,689	0,037	513,525	12,449	10,324	4,148	2017-09-14 09:29
49,000	54,755	1,392	1,395	29349,523	29153,168	-0,689	0,037	514,133	12,345	9,938	4,070	2017-09-14 09:29
49,167	54,783	1,391	1,397	29139,460	28637,421	-0,689	0,037	513,852	12,045	10,079	4,099	2017-09-14 09:29
49,334	54,810	1,390	1,395	28784,951	28326,329	-0,671	0,037	514,039	12,262	10,506	4,185	2017-09-14 09:29
49,500	54,793	1,391	1,398	28625,103	28309,235	-0,692	0,037	512,634	12,395	10,152	4,113	2017-09-14 09:29
49,667	54,781	1,391	1,398	28398,010	27623,516	-0,689	0,037	513,219	12,340	10,173	4,118	2017-09-14 09:30
49,834	54,801	1,390	1,398	28114,898	27707,101	-0,692	0,037	512,353	12,301	10,415	4,166	2017-09-14 09:30

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
50,000	0,199	0,201	0,533	0,310	0,256	117,562	19,517	28,835	-15,242	23,990	19,886	19,974	20,293	19,602	78,017	60,547	72,177
50,167	0,199	0,201	0,532	0,310	0,273	117,611	19,541	44,171	-15,567	21,599	19,896	20,003	20,304	19,609	77,844	60,529	72,092
50,333	0,199	0,201	0,532	0,311	0,167	117,679	19,559	22,763	-15,913	30,305	19,915	20,017	20,325	19,625	77,803	60,527	71,988
50,500	0,199	0,201	0,532	0,302	0,360	117,758	19,590	24,281	-6,002	15,440	19,956	20,067	20,366	19,665	77,948	60,506	71,951
50,667	0,199	0,201	0,538	0,303	0,284	117,825	19,543	32,559	-3,338	31,105	19,920	20,021	20,333	19,638	77,755	60,925	72,777
50,833	0,199	0,201	0,532	0,310	0,273	117,970	19,540	23,013	-11,383	26,511	19,916	20,025	20,328	19,629	77,964	61,243	72,632
51,000	0,199	0,201	0,532	0,310	0,266	118,096	19,583	21,828	-11,501	13,200	19,921	20,015	20,333	19,630	77,647	60,398	72,137
51,167	0,199	0,201	0,531	0,302	0,262	118,243	19,521	27,182	-11,974	20,681	19,892	20,014	20,309	19,618	78,054	60,174	72,132
51,333	0,199	0,201	0,531	0,316	0,271	118,395	19,589	25,538	-13,512	26,582	19,931	20,043	20,345	19,650	78,263	60,140	72,150
51,500	0,199	0,201	0,531	0,306	0,270	118,510	19,474	21,340	-15,083	25,209	19,930	20,037	20,346	19,645	78,301	60,124	72,258
51,667	0,199	0,201	0,531	0,308	0,272	118,645	19,501	18,379	-15,777	19,475	19,915	20,025	20,330	19,641	78,787	60,135	72,302
51,833	0,199	0,201	0,531	0,313	0,264	118,707	19,501	18,473	-13,575	9,339	19,903	19,994	20,309	19,621	78,889	60,135	72,422
52,000	0,199	0,201	0,531	0,310	0,268	118,753	19,509	24,907	-14,355	29,194	19,896	20,005	20,292	19,611	78,978	60,221	72,755
52,167	0,199	0,201	0,531	0,312	0,271	118,866	19,524	19,508	-14,362	18,907	19,892	20,007	20,312	19,614	79,204	60,334	72,840
52,333	0,199	0,201	0,531	0,311	0,268	118,987	19,519	21,485	-13,420	9,873	19,899	20,013	20,305	19,617	79,583	60,367	72,974
52,500	0,199	0,201	0,530	0,311	0,266	119,258	19,497	24,730	-14,412	27,164	19,903	20,006	20,305	19,618	79,514	60,402	73,105
52,667	0,199	0,201	0,530	0,311	0,272	119,381	19,510	18,710	-15,389	14,784	19,918	20,009	20,309	19,630	79,591	60,408	73,228
52,833	0,199	0,201	0,530	0,301	0,273	119,492	19,489	20,561	-14,477	20,568	19,897	20,021	20,331	19,626	79,788	60,386	73,225
53,000	0,199	0,201	0,530	0,315	0,275	119,774	19,421	18,559	-14,790	15,814	19,906	20,014	20,320	19,626	79,908	60,359	73,318
53,167	0,199	0,201	0,530	0,308	0,273	119,866	19,474	24,923	-22,446	-9999,000	19,903	20,022	20,307	19,622	80,012	60,362	73,486
53,333	0,199	0,201	0,530	0,311	0,269	120,016	19,519	231,198	-19,222	47,080	19,928	20,054	20,340	19,654	80,293	60,396	73,541
53,500	0,199	0,201	0,530	0,315	0,269	120,035	19,506	53,091	-22,998	45,137	19,916	20,033	20,317	19,635	80,372	60,432	73,659
53,667	0,199	0,201	0,530	0,311	0,265	120,098	19,502	23,684	-25,433	33,320	19,915	20,037	20,326	19,639	80,449	60,503	73,818
53,833	0,199	0,201	0,530	0,299	0,271	120,100	19,506	16,498	-24,976	21,669	19,914	20,037	20,320	19,638	80,340	60,565	73,892
54,000	0,199	0,201	0,529	0,305	0,253	120,289	19,495	16,549	-24,378	19,259	19,894	20,026	20,325	19,627	80,567	60,605	73,939
54,167	0,199	0,201	0,529	0,310	0,262	120,354	19,495	11,501	-20,759	16,704	19,908	20,029	20,308	19,630	80,704	60,640	74,025
54,334	0,199	0,201	0,529	0,310	0,267	120,389	19,496	14,889	-20,629	16,264	19,931	20,058	20,333	19,646	80,682	60,666	74,091
54,500	0,199	0,201	0,529	0,311	0,266	120,330	19,486	13,928	-19,046	17,526	19,905	20,038	20,324	19,634	80,983	60,659	74,145
54,667	0,199	0,201	0,529	0,312	0,248	120,329	19,502	17,009	-16,683	21,621	19,924	20,044	20,323	19,638	80,911	60,675	74,230
54,834	0,199	0,201	0,529	0,307	0,262	120,447	19,475	16,255	-16,494	11,391	19,944	20,058	20,344	19,658	80,941	60,749	74,280
55,000	0,199	0,201	0,529	0,306	0,267	120,485	19,505	21,769	-17,909	24,881	19,914	20,035	20,323	19,637	81,207	60,772	74,332
55,167	0,199	0,201	0,529	0,314	0,273	120,428	19,432	21,128	-15,522	12,662	19,922	20,051	20,333	19,645	81,361	60,581	73,717
55,334	0,199	0,201	0,528	0,306	0,259	120,337	19,428	24,484	-15,810	22,889	19,936	20,043	20,329	19,654	81,577	59,883	74,118
55,500	0,199	0,201	0,528	0,300	0,263	120,218	19,466	22,688	-15,652	24,784	19,930	20,045	20,321	19,646	81,528	60,315	74,751
55,667	0,199	0,201	0,528	0,309	0,268	120,028	19,468	18,667	-15,904	25,608	19,918	20,046	20,334	19,643	81,591	60,534	74,939
55,834	0,199	0,201	0,528	0,304	0,264	119,973	19,479	16,403	-13,499	18,095	19,922	20,048	20,336	19,646	81,623	60,620	74,994
56,000	0,199	0,201	0,528	0,307	0,270	119,818	19,471	24,351	-9,445	22,611	19,918	20,046	20,327	19,647	81,517	60,654	75,101
56,167	0,199	0,201	0,528	0,314	0,272	119,641	19,453	24,753	-10,113	19,017	19,910	20,038	20,323	19,639	81,527	60,728	75,175

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
50,000	54,838	1,391	1,397	27766,062	27787,844	-0,702	0,037	512,353	12,389	10,259	4,135	2017-09-14 09:30
50,167	54,865	1,390	1,396	27565,446	27513,783	-0,692	0,037	512,259	12,392	10,928	4,268	2017-09-14 09:30
50,333	54,862	1,391	1,396	27404,719	27473,744	-0,692	0,037	512,260	12,449	6,681	3,337	2017-09-14 09:30
50,500	54,901	1,391	1,384	27046,801	27740,169	-0,713	0,037	512,259	12,091	14,409	4,900	2017-09-14 09:30
50,667	54,928	1,391	1,250	25568,206	26760,779	-0,685	0,037	513,338	12,115	11,368	4,353	2017-09-14 09:31
50,833	54,910	1,301	1,250	25391,253	24861,490	-0,678	0,037	512,259	12,394	10,912	4,265	2017-09-14 09:31
51,000	54,894	1,224	1,250	24703,797	24136,277	-0,702	0,037	512,260	12,383	10,625	4,208	2017-09-14 09:31
51,167	54,880	1,224	1,250	24714,803	25038,953	-0,702	0,037	512,122	12,092	10,498	4,183	2017-09-14 09:31
51,333	54,854	1,223	1,251	24792,374	25360,482	-0,689	0,037	512,122	12,636	10,838	4,250	2017-09-14 09:31
51,500	54,825	1,224	1,249	24963,500	25452,790	-0,695	0,037	512,122	12,256	10,810	4,245	2017-09-14 09:31
51,667	54,870	1,223	1,251	24987,357	26089,850	-0,706	0,037	512,122	12,326	10,883	4,259	2017-09-14 09:32
51,833	54,943	1,225	1,251	25057,887	26277,062	-0,689	0,037	512,028	12,507	10,575	4,198	2017-09-14 09:32
52,000	54,968	1,224	1,252	25518,978	26269,775	-0,699	0,037	512,029	12,394	10,740	4,231	2017-09-14 09:32
52,167	54,964	1,225	1,252	25645,679	26432,930	-0,706	0,037	512,028	12,488	10,835	4,250	2017-09-14 09:32
52,333	54,918	1,223	1,251	25891,826	26889,037	-0,716	0,037	512,029	12,423	10,718	4,227	2017-09-14 09:32
52,500	54,830	1,224	1,251	26195,751	26745,858	-0,692	0,037	511,935	12,434	10,638	4,211	2017-09-14 09:32
52,667	54,771	1,224	1,252	26475,944	26863,656	-0,699	0,037	511,934	12,445	10,895	4,261	2017-09-14 09:33
52,833	54,735	1,225	1,251	26512,304	27173,156	-0,695	0,037	511,935	12,035	10,907	4,264	2017-09-14 09:33
53,000	54,703	1,224	1,252	26710,007	27376,881	-0,695	0,037	511,935	12,594	11,012	4,284	2017-09-14 09:33
53,167	54,742	1,224	1,252	26895,758	27520,238	-0,675	0,037	511,842	12,305	10,922	4,266	2017-09-14 09:33
53,333	54,822	1,224	1,252	26853,668	27849,742	-0,695	0,037	511,841	12,449	10,747	4,232	2017-09-14 09:33
53,500	54,858	1,223	1,252	26975,580	27904,509	-0,699	0,037	511,842	12,620	10,743	4,231	2017-09-14 09:33
53,667	54,886	1,224	1,252	27169,256	27932,714	-0,695	0,037	511,842	12,440	10,611	4,205	2017-09-14 09:34
53,833	54,900	1,223	1,252	27247,062	27651,633	-0,692	0,036	511,842	11,959	10,852	4,253	2017-09-14 09:34
54,000	54,901	1,224	1,251	27295,221	27933,404	-0,695	0,036	511,746	12,217	10,136	4,110	2017-09-14 09:34
54,167	54,890	1,224	1,253	27474,446	28077,331	-0,685	0,036	511,747	12,399	10,480	4,179	2017-09-14 09:34
54,334	54,862	1,224	1,253	27608,752	28010,140	-0,671	0,036	511,747	12,405	10,665	4,216	2017-09-14 09:34
54,500	54,902	1,224	1,252	27613,007	28441,664	-0,695	0,036	511,747	12,460	10,638	4,211	2017-09-14 09:34
54,667	54,948	1,223	1,253	27681,881	28295,780	-0,685	0,036	511,747	12,473	9,939	4,070	2017-09-14 09:35
54,834	54,967	1,225	1,253	27730,713	28291,238	-0,689	0,037	511,653	12,291	10,500	4,183	2017-09-14 09:35
55,000	54,995	1,221	1,254	27786,697	28538,735	-0,675	0,036	511,654	12,241	10,686	4,220	2017-09-14 09:35
55,167	55,043	1,097	1,253	26825,293	26064,622	-0,689	0,037	511,653	12,553	10,923	4,267	2017-09-14 09:35
55,334	55,063	1,086	1,155	25216,985	26958,710	-0,706	0,036	511,559	12,235	10,341	4,152	2017-09-14 09:35
55,500	55,089	1,087	1,122	25291,501	26386,728	-0,689	0,036	511,560	12,008	10,511	4,185	2017-09-14 09:35
55,667	55,103	1,087	1,122	25516,799	26176,812	-0,678	0,037	511,559	12,350	10,726	4,228	2017-09-14 09:36
55,834	55,122	1,087	1,122	25561,233	26103,354	-0,671	0,037	511,559	12,173	10,569	4,197	2017-09-14 09:36
56,000	55,137	1,087	1,117	25558,628	25931,483	-0,706	0,036	511,559	12,295	10,791	4,241	2017-09-14 09:36
56,167	55,142	1,086	1,112	25541,167	25838,387	-0,699	0,036	511,559	12,564	10,872	4,257	2017-09-14 09:36

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
56,334	0,199	0,201	0,528	0,308	0,262	119,410	19,470	27,620	-12,828	30,082	19,922	20,048	20,328	19,643	81,361	60,771	75,162
56,500	0,199	0,201	0,528	0,309	0,271	119,022	19,455	21,734	-13,449	23,940	19,926	20,048	20,336	19,647	81,536	60,781	75,223
56,667	0,199	0,201	0,528	0,302	0,268	118,625	19,406	20,818	-14,984	21,915	19,920	20,050	20,316	19,645	81,350	60,819	75,313
56,834	0,199	0,201	0,528	0,309	0,266	118,197	19,355	21,424	-12,461	16,236	19,924	20,050	20,323	19,643	81,373	60,978	75,371
57,000	0,199	0,202	0,528	0,303	0,269	117,800	19,353	27,129	-11,871	24,727	19,915	20,059	20,331	19,646	81,266	61,058	75,344
57,167	0,199	0,201	0,528	0,303	0,263	117,422	19,372	26,497	-13,199	24,105	19,920	20,043	20,329	19,647	81,265	61,083	75,294
57,333	0,199	0,201	0,528	0,304	0,273	117,077	19,406	25,100	-13,177	24,965	19,915	20,058	20,331	19,645	81,352	61,097	75,183
57,500	0,199	0,201	0,528	0,297	0,263	116,805	19,414	24,420	-14,428	29,801	19,915	20,051	20,327	19,649	81,355	61,052	75,201
57,667	0,199	0,201	0,527	0,301	0,272	116,504	19,335	21,063	-13,548	22,139	19,931	20,043	20,327	19,647	81,038	61,021	75,213
57,833	0,199	0,201	0,527	0,311	0,265	116,144	19,428	19,376	-14,282	17,445	19,931	20,059	20,341	19,657	81,157	61,009	75,205
58,000	0,199	0,201	0,527	0,302	0,270	115,857	19,436	25,772	-12,829	23,098	19,915	20,054	20,324	19,643	81,076	61,005	75,128
58,167	0,199	0,201	0,527	0,293	0,257	115,519	19,421	21,160	-14,661	25,056	19,920	20,062	20,323	19,647	80,870	60,994	75,119
58,333	0,199	0,201	0,527	0,296	0,265	115,235	19,425	19,131	-14,441	17,026	19,927	20,056	20,328	19,650	80,906	60,984	75,036
58,500	0,199	0,201	0,527	0,295	0,271	114,907	19,437	21,610	-14,064	26,936	19,913	20,054	20,340	19,651	80,834	60,978	75,015
58,667	0,199	0,201	0,527	0,298	0,267	114,610	19,441	18,378	-14,083	19,636	19,936	20,052	20,332	19,651	80,795	61,009	74,974
58,833	0,199	0,201	0,527	0,292	0,266	114,264	19,415	21,535	-12,892	15,866	19,939	20,060	20,340	19,653	80,740	61,049	74,959
59,000	0,199	0,201	0,527	0,296	0,268	113,865	19,415	25,735	-13,447	30,194	19,935	20,078	20,332	19,662	80,664	61,074	74,934
59,167	0,199	0,201	0,527	0,296	0,261	113,523	19,411	18,959	-14,159	18,381	19,939	20,053	20,335	19,658	80,430	61,092	74,847
59,333	0,199	0,201	0,527	0,297	0,265	113,211	19,437	17,248	-14,698	24,764	19,938	20,076	20,348	19,665	80,364	61,076	74,792
59,500	0,199	0,201	0,527	0,289	0,263	112,871	19,406	19,314	-13,662	13,047	19,938	20,071	20,347	19,663	80,008	61,048	74,669
59,667	0,199	0,201	0,527	0,291	0,273	112,615	19,428	24,069	-12,260	24,146	19,939	20,084	20,347	19,670	80,005	61,015	74,550
59,833	0,199	0,201	0,527	0,295	0,259	112,404	19,420	21,614	-13,721	24,860	19,940	20,075	20,331	19,661	79,780	60,986	74,424
60,000	0,199	0,201	0,527	0,301	0,267	112,242	19,435	21,661	-14,039	23,484	19,940	20,079	20,341	19,666	79,731	60,947	74,368
60,167	0,199	0,201	0,527	0,295	0,271	112,211	19,448	21,628	-12,815	14,618	19,946	20,072	20,351	19,666	79,636	60,937	74,256
60,333	0,199	0,201	0,527	0,294	0,268	112,200	19,460	25,249	-14,156	21,427	19,943	20,071	20,344	19,662	79,559	60,914	74,169
60,500	0,199	0,201	0,527	0,293	0,258	112,159	19,440	22,201	-14,220	22,330	19,936	20,067	20,331	19,663	79,642	60,917	74,104
60,667	0,199	0,201	0,527	0,283	0,267	112,119	19,423	18,811	-14,813	24,961	19,944	20,068	20,333	19,662	79,633	60,917	74,083
60,833	0,199	0,201	0,526	0,290	0,267	112,031	19,417	15,918	-14,852	21,028	19,935	20,075	20,344	19,671	79,938	60,936	74,066
61,000	0,199	0,201	0,526	0,287	0,272	111,990	19,440	17,625	-14,858	18,487	19,944	20,075	20,343	19,667	79,673	60,943	74,114
61,167	0,199	0,201	0,526	0,293	0,270	112,012	19,405	18,977	-12,098	11,472	19,952	20,087	20,344	19,675	79,676	60,945	74,114
61,334	0,199	0,201	0,526	0,290	0,276	112,061	19,381	25,948	-14,027	26,833	19,939	20,089	20,338	19,670	79,846	60,913	74,107
61,500	0,199	0,201	0,526	0,289	0,274	112,062	19,371	17,537	-14,649	22,578	19,935	20,072	20,351	19,667	79,904	60,894	74,129
61,667	0,199	0,201	0,526	0,296	0,267	112,053	19,413	17,227	-13,155	9,990	19,948	20,075	20,356	19,678	79,734	60,888	74,096
61,834	0,199	0,201	0,526	0,292	0,270	111,987	19,367	23,763	-13,805	28,354	19,950	20,064	20,341	19,665	79,874	60,873	74,127
62,000	0,199	0,201	0,526	0,295	0,269	111,981	19,356	18,905	-12,201	15,020	19,939	20,085	20,345	19,669	79,795	60,886	74,104
62,167	0,199	0,201	0,526	0,287	0,265	111,896	19,364	21,383	-13,510	17,701	19,940	20,063	20,347	19,663	79,802	60,897	74,185
62,334	0,199	0,201	0,526	0,295	0,269	111,855	19,367	24,492	-14,935	29,419	19,946	20,076	20,334	19,667	79,874	60,914	74,191
62,500	0,199	0,201	0,526	0,285	0,266	111,843	19,388	20,456	-12,974	12,627	19,939	20,068	20,340	19,667	79,958	60,924	74,206

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
56,334	55,168	1,087	1,113	25501,605	25605,610	-0,682	0,037	511,467	12,313	10,470	4,177	2017-09-14 09:36
56,500	55,277	1,086	1,112	25429,280	25781,556	-0,706	0,036	511,467	12,343	10,832	4,249	2017-09-14 09:36
56,667	55,355	1,088	1,099	25133,731	25544,044	-0,682	0,036	511,467	12,075	10,738	4,230	2017-09-14 09:37
56,834	55,398	1,087	1,096	25085,217	25346,367	-0,692	0,036	511,467	12,362	10,657	4,214	2017-09-14 09:37
57,000	55,433	1,088	1,095	24988,107	25143,305	-0,713	0,038	511,467	12,130	10,756	4,234	2017-09-14 09:37
57,167	55,395	1,085	1,095	24970,286	25050,449	-0,689	0,037	511,550	12,101	10,514	4,186	2017-09-14 09:37
57,333	55,334	1,086	1,094	24896,249	25152,425	-0,671	0,037	511,467	12,143	10,929	4,268	2017-09-14 09:37
57,500	55,317	1,086	1,094	24923,919	25221,389	-0,689	0,036	511,467	11,885	10,511	4,186	2017-09-14 09:37
57,667	55,320	1,086	1,094	24936,193	24858,663	-0,907	0,037	511,325	12,023	10,883	4,259	2017-09-14 09:38
57,833	55,315	1,086	1,095	24971,486	25018,761	-0,907	0,037	511,324	12,444	10,602	4,204	2017-09-14 09:38
58,000	55,305	1,087	1,095	24886,253	24945,329	-0,900	0,036	511,325	12,067	10,801	4,243	2017-09-14 09:38
58,167	55,327	1,087	1,096	24853,304	24699,501	-0,890	0,037	511,324	11,735	10,287	4,141	2017-09-14 09:38
58,333	55,399	1,086	1,095	24630,846	24743,453	-0,702	0,037	511,324	11,860	10,602	4,204	2017-09-14 09:38
58,500	55,465	1,087	1,095	24525,240	24675,769	-0,713	0,036	511,324	11,782	10,842	4,251	2017-09-14 09:38
58,667	55,514	1,087	1,096	24443,913	24588,244	-0,689	0,037	511,324	11,917	10,679	4,219	2017-09-14 09:39
58,833	55,552	1,087	1,095	24354,978	24471,173	-0,695	0,037	511,322	11,673	10,648	4,213	2017-09-14 09:39
59,000	55,557	1,087	1,096	24330,304	24339,862	-0,689	0,037	511,324	11,832	10,728	4,228	2017-09-14 09:39
59,167	55,541	1,087	1,096	24242,938	24035,137	-0,689	0,037	511,231	11,820	10,440	4,171	2017-09-14 09:39
59,333	55,525	1,087	1,095	24178,742	23977,442	-0,709	0,037	511,325	11,862	10,616	4,206	2017-09-14 09:39
59,500	55,525	1,086	1,094	24007,677	23542,515	-0,692	0,037	511,231	11,550	10,518	4,187	2017-09-14 09:39
59,667	55,529	1,086	1,094	23840,625	23583,276	-0,689	0,036	511,230	11,628	10,918	4,266	2017-09-14 09:40
59,833	55,533	1,086	1,094	23675,526	23337,677	-0,675	0,037	511,324	11,814	10,354	4,154	2017-09-14 09:40
60,000	55,542	1,087	1,095	23610,098	23340,693	-0,685	0,037	511,324	12,041	10,678	4,219	2017-09-14 09:40
60,167	55,569	1,088	1,094	23433,744	23251,344	-0,671	0,036	511,230	11,795	10,836	4,250	2017-09-14 09:40
60,333	55,607	1,087	1,095	23290,135	23166,165	-0,668	0,036	511,231	11,770	10,731	4,229	2017-09-14 09:40
60,500	55,643	1,086	1,094	23137,330	23254,739	-0,706	0,036	511,230	11,707	10,321	4,147	2017-09-14 09:40
60,667	55,668	1,087	1,095	23092,969	23255,166	-0,689	0,036	511,231	11,339	10,693	4,222	2017-09-14 09:41
60,833	55,656	1,085	1,094	23067,982	23580,343	-0,682	0,036	511,138	11,612	10,662	4,215	2017-09-14 09:41
61,000	55,589	1,087	1,094	23230,521	23274,249	-0,685	0,036	511,137	11,478	10,898	4,262	2017-09-14 09:41
61,167	55,552	1,088	1,095	23278,995	23291,649	-0,682	0,036	511,137	11,715	10,790	4,241	2017-09-14 09:41
61,334	55,534	1,087	1,094	23280,827	23524,236	-0,671	0,037	511,137	11,587	11,045	4,290	2017-09-14 09:41
61,500	55,528	1,087	1,094	23312,375	23638,783	-0,685	0,037	511,137	11,568	10,976	4,277	2017-09-14 09:41
61,667	55,530	1,087	1,093	23255,929	23420,545	-0,675	0,036	511,137	11,832	10,678	4,219	2017-09-14 09:42
61,834	55,534	1,087	1,094	23303,577	23626,144	-0,689	0,036	511,043	11,688	10,782	4,239	2017-09-14 09:42
62,000	55,545	1,087	1,094	23259,880	23498,149	-0,685	0,036	511,043	11,785	10,753	4,233	2017-09-14 09:42
62,167	55,556	1,087	1,093	23334,253	23507,373	-0,664	0,036	511,043	11,468	10,589	4,201	2017-09-14 09:42
62,334	55,568	1,088	1,093	23324,820	23579,171	-0,689	0,036	511,043	11,781	10,747	4,232	2017-09-14 09:42
62,500	55,573	1,087	1,093	23324,236	23665,909	-0,685	0,036	511,043	11,402	10,645	4,212	2017-09-14 09:42

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
62,667	0,199	0,201	0,526	0,288	0,266	111,868	19,372	25,186	-12,598	18,733	19,933	20,083	20,339	19,665	79,695	60,933	74,185
62,834	0,199	0,201	0,526	0,294	0,267	111,800	19,383	25,583	-14,660	30,035	19,931	20,082	20,352	19,669	79,766	60,928	74,215
63,000	0,199	0,201	0,525	0,289	0,273	111,750	19,373	19,986	-12,587	16,867	19,942	20,079	20,349	19,667	79,872	60,906	74,243
63,167	0,199	0,201	0,525	0,297	0,265	111,696	19,359	19,833	-15,025	27,583	19,947	20,071	20,335	19,666	79,750	60,854	74,191
63,334	0,199	0,201	0,525	0,294	0,254	111,668	19,368	14,935	-14,686	21,091	19,935	20,078	20,357	19,671	79,905	60,795	74,218
63,500	0,199	0,201	0,525	0,287	0,269	111,718	19,369	17,122	-14,627	19,082	19,929	20,075	20,353	19,670	79,819	60,772	74,169
63,667	0,199	0,201	0,549	0,280	0,271	111,713	19,338	16,657	-13,149	16,304	19,941	20,093	20,351	19,671	79,669	60,748	74,103
63,833	0,199	0,201	0,525	0,288	0,268	111,679	19,269	-2,568	-12,975	18,071	19,942	20,087	20,348	19,673	79,915	60,698	73,972
64,000	0,199	0,201	0,525	0,284	0,268	111,644	19,300	29,128	-10,314	23,757	19,952	20,097	20,357	19,677	80,167	60,311	73,582
64,167	0,199	0,201	0,525	0,291	0,270	111,474	19,240	18,964	-14,813	19,700	19,941	20,093	20,352	19,677	79,981	60,283	74,599
64,333	0,199	0,201	0,525	0,293	0,272	111,439	19,264	21,154	-14,029	22,769	19,948	20,086	20,348	19,678	79,926	60,880	75,002
64,500	0,199	0,201	0,531	0,287	0,265	111,373	19,269	20,334	-12,629	19,465	19,948	20,076	20,360	19,674	80,268	61,103	75,127
64,667	0,199	0,201	0,525	0,288	0,257	111,365	19,311	21,955	-12,578	17,033	19,963	20,100	20,353	19,682	79,950	61,189	75,136
64,833	0,199	0,201	0,525	0,294	0,263	111,347	19,405	26,246	-11,733	23,871	19,949	20,091	20,350	19,680	80,090	61,191	75,151
65,000	0,199	0,201	0,525	0,285	0,263	111,375	19,243	24,405	-16,186	27,352	19,963	20,102	20,367	19,690	80,135	61,189	75,155
65,167	0,199	0,201	0,525	0,286	0,268	111,369	19,264	18,707	-13,485	17,975	19,980	20,098	20,355	19,692	80,274	61,167	75,209
65,333	0,199	0,201	0,524	0,292	0,264	111,371	19,281	15,304	-21,889	17,666	19,967	20,097	20,375	19,702	80,263	61,161	75,187
65,500	0,199	0,201	0,524	0,298	0,263	111,400	19,313	6,446	-12,623	23,447	19,982	20,116	20,368	19,710	80,347	61,131	75,225
65,667	0,199	0,201	0,524	0,287	0,260	111,422	19,252	15,983	-13,462	12,895	19,974	20,107	20,363	19,702	80,244	61,140	75,244
65,833	0,199	0,201	0,523	0,301	0,268	111,282	19,135	24,197	-12,838	17,147	19,966	20,095	20,354	19,688	80,547	61,134	75,324
66,000	0,199	0,201	0,524	0,293	0,261	111,180	19,178	26,319	-10,956	20,159	19,962	20,111	20,364	19,690	80,603	61,151	75,349
66,167	0,199	0,201	0,523	0,290	0,267	111,174	19,247	27,571	-12,687	23,648	19,990	20,112	20,385	19,710	80,343	61,198	75,406
66,333	0,199	0,201	0,524	0,296	0,265	111,082	19,297	25,881	-14,940	19,331	19,998	20,119	20,379	19,718	80,494	61,241	75,452
66,500	0,199	0,201	0,523	0,289	0,267	111,060	19,287	23,669	-17,211	27,227	19,977	20,116	20,374	19,708	80,386	61,226	75,436
66,667	0,199	0,201	0,523	0,289	0,267	111,103	19,313	21,746	-13,833	23,340	19,970	20,101	20,377	19,704	80,456	61,204	75,462
66,833	0,199	0,201	0,523	0,287	0,257	111,093	19,305	20,057	-10,047	18,370	19,974	20,116	20,379	19,704	80,652	61,112	75,304
67,000	0,199	0,201	0,523	0,289	0,260	111,023	19,313	15,958	-15,530	17,848	19,996	20,102	20,387	19,711	80,819	60,991	75,279
67,167	0,199	0,201	0,523	0,288	0,260	111,006	19,298	17,981	-16,481	15,307	19,986	20,110	20,373	19,704	81,082	60,842	75,270
67,333	0,199	0,201	0,523	0,292	0,269	110,960	19,336	15,223	-13,936	20,637	19,999	20,124	20,388	19,718	81,055	60,682	75,236
67,500	0,199	0,201	0,523	0,290	0,272	110,898	19,258	15,346	-13,530	8,853	19,976	20,106	20,363	19,702	81,055	60,547	75,187
67,667	0,199	0,201	0,523	0,283	0,271	110,826	19,242	21,341	-13,498	21,963	19,996	20,110	20,379	19,708	81,124	60,492	75,289
67,834	0,199	0,201	0,523	0,286	0,271	110,738	19,323	16,479	-14,334	21,170	19,978	20,098	20,388	19,711	81,276	60,504	75,344
68,000	0,199	0,201	0,523	0,288	0,263	110,660	19,282	16,233	-14,646	14,251	19,975	20,093	20,369	19,695	81,335	60,526	75,375
68,167	0,199	0,201	0,522	0,281	0,265	110,351	19,310	19,091	-12,248	10,633	19,997	20,114	20,397	19,714	81,301	60,556	75,417
68,334	0,199	0,201	0,523	0,283	0,264	109,806	19,331	28,334	-11,564	22,134	19,979	20,091	20,373	19,699	81,193	60,595	75,468
68,500	0,199	0,201	0,522	0,283	0,269	109,174	19,433	26,292	-12,065	19,014	19,974	20,095	20,371	19,691	81,108	60,621	75,493
68,667	0,199	0,201	0,523	0,277	0,258	108,605	19,417	30,335	-12,526	25,477	19,982	20,103	20,376	19,707	81,123	60,632	75,487
68,834	0,199	0,202	0,522	0,271	0,264	107,984	19,386	26,754	-12,681	25,546	19,982	20,104	20,372	19,699	80,818	60,611	75,401

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
62,667	55,544	1,086	1,093	23349,822	23297,654	-0,685	0,036	511,043	11,502	10,651	4,213	2017-09-14 09:43
62,834	55,438	1,087	1,093	23515,340	23421,187	-0,682	0,036	511,043	11,755	10,686	4,220	2017-09-14 09:43
63,000	55,362	1,086	1,093	23656,465	23556,267	-0,880	0,036	511,017	11,570	10,927	4,268	2017-09-14 09:43
63,167	55,322	1,087	1,094	23649,674	23479,173	-0,894	0,036	510,949	11,883	10,613	4,206	2017-09-14 09:43
63,334	55,296	1,087	1,093	23702,121	23761,289	-0,692	0,036	510,949	11,778	10,172	4,117	2017-09-14 09:43
63,500	55,285	1,087	1,093	23655,654	23672,673	-0,699	0,036	510,949	11,495	10,774	4,237	2017-09-14 09:43
63,667	55,284	1,087	1,091	23531,269	23512,901	-0,692	0,037	515,452	11,181	10,856	4,254	2017-09-14 09:44
63,833	55,285	1,048	1,093	23408,312	23037,815	-0,668	0,036	510,950	11,517	10,719	4,227	2017-09-14 09:44
64,000	55,301	1,008	1,064	22286,047	22896,841	-0,678	0,036	510,949	11,370	10,713	4,226	2017-09-14 09:44
64,167	55,320	1,008	0,944	20844,815	22711,802	-0,689	0,037	510,949	11,621	10,789	4,240	2017-09-14 09:44
64,333	55,328	1,008	0,943	21251,432	21951,572	-0,695	0,037	510,856	11,727	10,863	4,255	2017-09-14 09:44
64,500	55,330	1,007	0,941	21360,862	22066,583	-0,685	0,037	512,122	11,466	10,595	4,202	2017-09-14 09:44
64,667	55,301	1,006	0,942	21423,777	21577,700	-0,692	0,037	510,856	11,518	10,300	4,143	2017-09-14 09:45
64,833	55,255	1,005	0,942	21490,227	21708,818	-0,695	0,037	510,856	11,744	10,526	4,188	2017-09-14 09:45
65,000	55,210	1,005	0,942	21531,301	21773,849	-0,692	0,037	510,856	11,419	10,533	4,190	2017-09-14 09:45
65,167	55,184	1,007	0,942	21609,492	21987,883	-0,671	0,037	510,856	11,445	10,720	4,227	2017-09-14 09:45
65,333	55,161	1,006	0,943	21639,022	21964,939	-0,904	0,037	510,763	11,684	10,553	4,194	2017-09-14 09:45
65,500	55,142	1,006	0,942	21681,612	22110,519	-0,678	0,037	510,762	11,910	10,530	4,189	2017-09-14 09:45
65,667	55,143	1,005	0,941	21679,587	21959,341	-0,675	0,036	510,762	11,474	10,414	4,166	2017-09-14 09:46
65,833	55,184	1,005	0,941	21731,364	22300,755	-0,682	0,036	510,622	12,021	10,717	4,226	2017-09-14 09:46
66,000	55,220	1,008	0,942	21721,877	22424,633	-0,668	0,037	510,763	11,703	10,421	4,167	2017-09-14 09:46
66,167	55,173	1,006	0,941	21820,380	22029,148	-0,699	0,037	510,622	11,604	10,699	4,223	2017-09-14 09:46
66,333	55,129	1,008	0,941	21916,621	22179,136	-0,692	0,036	510,763	11,821	10,606	4,204	2017-09-14 09:46
66,500	55,098	1,008	0,942	21947,976	22073,946	-0,907	0,036	510,623	11,561	10,699	4,223	2017-09-14 09:46
66,667	55,064	1,002	0,941	22009,990	22046,484	-0,689	0,036	510,623	11,540	10,672	4,217	2017-09-14 09:47
66,833	55,028	0,989	0,942	21892,474	22087,261	-0,692	0,036	510,622	11,477	10,282	4,140	2017-09-14 09:47
67,000	54,991	0,981	0,942	21904,836	22250,735	-0,685	0,036	510,623	11,560	10,382	4,160	2017-09-14 09:47
67,167	54,976	0,958	0,941	21900,460	22178,383	-0,685	0,037	510,623	11,521	10,391	4,161	2017-09-14 09:47
67,333	54,985	0,949	0,941	21850,121	22108,460	-0,668	0,037	510,529	11,688	10,764	4,236	2017-09-14 09:47
67,500	55,004	0,945	0,942	21783,701	22156,787	-0,689	0,037	510,529	11,602	10,898	4,262	2017-09-14 09:47
67,667	55,031	0,945	0,941	21861,081	22298,712	-0,692	0,037	510,529	11,338	10,854	4,253	2017-09-14 09:48
67,834	55,064	0,945	0,942	21886,824	22449,267	-0,682	0,036	510,529	11,454	10,836	4,250	2017-09-14 09:48
68,000	55,115	0,945	0,941	21860,440	22489,413	-0,689	0,037	510,529	11,525	10,527	4,189	2017-09-14 09:48
68,167	55,137	0,944	0,942	21890,365	22402,261	-0,699	0,037	510,435	11,242	10,582	4,200	2017-09-14 09:48
68,334	55,127	0,944	0,941	21942,874	22229,851	-0,682	0,037	510,529	11,308	10,566	4,196	2017-09-14 09:48
68,500	55,109	0,944	0,942	21997,622	22112,237	-0,689	0,037	510,435	11,329	10,768	4,236	2017-09-14 09:48
68,667	55,091	0,943	0,941	21993,866	22099,909	-0,689	0,037	510,529	11,061	10,306	4,144	2017-09-14 09:49
68,834	55,072	0,944	0,942	21937,744	21812,950	-0,689	0,038	510,435	10,824	10,547	4,193	2017-09-14 09:49

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
69,000	0,199	0,201	0,522	0,276	0,263	107,370	19,382	22,213	-12,979	19,651	19,978	20,097	20,380	19,702	80,601	60,582	75,302
69,167	0,199	0,201	0,522	0,271	0,267	106,801	19,426	26,095	-13,058	25,084	19,971	20,089	20,372	19,696	80,564	60,549	75,178
69,334	0,199	0,201	0,522	0,272	0,263	106,254	19,522	25,217	-13,376	22,994	19,979	20,087	20,356	19,702	80,236	60,513	75,071
69,500	0,199	0,201	0,522	0,275	0,272	105,684	19,496	24,006	-14,514	19,963	19,982	20,108	20,383	19,707	80,048	60,471	74,935
69,667	0,199	0,201	0,523	0,273	0,271	105,116	19,450	22,280	-14,135	25,536	19,975	20,095	20,387	19,706	79,839	60,441	74,789
69,834	0,199	0,201	0,523	0,269	0,266	104,578	19,488	20,543	-13,392	13,397	19,980	20,097	20,370	19,704	79,663	60,402	74,623
70,000	0,199	0,201	0,523	0,273	0,272	104,080	19,436	22,538	-14,959	25,528	19,984	20,107	20,379	19,706	79,351	60,378	74,439
70,167	0,199	0,201	0,523	0,269	0,269	103,583	19,472	13,540	-15,224	23,325	19,966	20,114	20,373	19,702	78,799	60,343	74,292
70,334	0,199	0,201	0,523	0,268	0,266	103,138	19,531	12,675	-15,280	18,964	19,992	20,101	20,388	19,706	78,591	60,310	74,060
70,500	0,199	0,201	0,523	0,265	0,264	102,692	19,515	10,829	-15,671	16,881	19,982	20,099	20,377	19,708	78,352	60,260	73,767
70,667	0,199	0,201	0,523	0,267	0,267	102,287	19,507	14,652	-15,030	8,999	19,965	20,093	20,389	19,703	78,087	60,195	73,511
70,833	0,199	0,201	0,523	0,266	0,267	101,866	19,510	21,818	-12,720	16,762	20,004	20,106	20,397	19,722	77,665	60,132	73,309
71,000	0,199	0,201	0,523	0,265	0,273	101,411	19,525	26,059	-12,557	18,598	20,007	20,128	20,384	19,719	77,553	60,068	73,095
71,167	0,199	0,201	0,523	0,265	0,272	101,003	19,528	29,216	-11,863	19,721	20,008	20,126	20,415	19,734	77,333	60,042	72,859
71,333	0,199	0,201	0,523	0,263	0,262	100,621	19,563	29,248	-13,714	27,432	20,007	20,119	20,394	19,730	76,950	60,015	72,661
71,500	0,199	0,201	0,523	0,264	0,263	100,272	19,578	20,866	-14,929	28,070	19,996	20,113	20,382	19,723	76,622	59,976	72,477
71,667	0,199	0,201	0,538	0,265	0,266	99,963	19,539	14,215	-16,378	21,738	20,006	20,128	20,386	19,728	76,646	59,945	72,250
71,833	0,199	0,201	0,523	0,260	0,271	99,661	19,571	14,746	-15,410	18,321	20,015	20,138	20,416	19,740	76,411	59,893	71,876
72,000	0,199	0,201	0,523	0,262	0,273	99,453	19,558	8,058	-11,070	18,308	20,040	20,149	20,427	19,759	76,423	59,429	71,238
72,167	0,199	0,201	0,523	0,264	0,265	99,223	19,554	14,701	-11,950	20,167	20,025	20,156	20,431	19,760	76,389	59,077	71,994
72,333	0,199	0,201	0,522	0,260	0,267	98,993	19,558	15,357	-12,958	20,463	20,011	20,121	20,399	19,738	76,100	59,588	72,370
72,500	0,199	0,201	0,549	0,265	0,268	98,820	19,524	18,639	-11,737	14,151	20,020	20,151	20,432	19,750	76,103	59,849	72,431
72,667	0,199	0,201	0,523	0,259	0,262	98,579	19,570	17,440	-12,388	12,175	20,020	20,156	20,412	19,746	76,138	59,921	72,315
72,833	0,199	0,201	0,522	0,252	0,270	98,393	19,612	22,106	-14,356	22,356	20,028	20,150	20,421	19,752	76,122	59,781	71,831
73,000	0,199	0,201	0,522	0,259	0,265	98,212	19,545	18,159	-14,235	26,273	20,014	20,136	20,413	19,735	76,216	59,276	71,544
73,167	0,199	0,201	0,522	0,259	0,262	98,079	19,579	18,900	-12,793	15,019	20,006	20,135	20,411	19,738	76,319	59,046	71,426
73,333	0,199	0,202	0,523	0,254	0,268	97,957	19,612	22,654	-7,878	26,559	20,024	20,156	20,411	19,758	76,280	58,958	71,466
73,500	0,199	0,201	0,522	0,259	0,274	97,852	19,592	19,504	-11,527	26,799	20,002	20,143	20,417	19,746	76,390	58,946	71,601
73,667	0,199	0,202	0,522	0,254	0,275	97,889	19,626	16,910	-12,093	16,138	20,067	20,196	20,473	19,800	76,455	59,007	71,659
73,833	0,199	0,201	0,522	0,262	0,277	97,821	19,583	19,391	-11,041	12,416	20,022	20,160	20,432	19,760	76,510	59,038	71,700
74,000	0,199	0,201	0,522	0,255	0,270	97,705	19,566	24,804	-13,220	28,376	20,028	20,163	20,406	19,758	76,454	59,049	71,723
74,167	0,199	0,201	0,522	0,249	0,274	97,682	19,589	21,934	-12,559	17,084	20,028	20,149	20,432	19,755	76,725	59,065	71,879
74,333	0,199	0,201	0,522	0,253	0,260	97,625	19,558	23,805	-12,815	18,588	20,011	20,142	20,406	19,743	76,828	59,119	71,948
74,500	0,199	0,201	0,522	0,255	0,265	97,656	19,580	21,395	-16,320	20,127	20,020	20,150	20,413	19,748	76,939	59,135	72,065
74,667	0,199	0,201	0,522	0,252	0,269	97,684	19,589	22,233	-7,089	26,254	20,019	20,150	20,420	19,758	77,102	59,112	72,136
74,834	0,199	0,201	0,522	0,259	0,263	97,636	19,551	19,049	-9,376	13,934	20,010	20,130	20,411	19,736	77,066	59,075	72,241
75,000	0,199	0,201	0,522	0,258	0,269	97,606	19,550	26,868	-8,811	19,711	20,022	20,143	20,421	19,747	77,283	59,068	72,361
75,167	0,199	0,201	0,522	0,250	0,106	97,577	19,549	30,372	-10,297	22,777	20,009	20,134	20,411	19,743	77,330	59,069	72,397

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
69,000	55,064	0,943	0,941	21837,791	21585,403	-0,689	0,037	510,435	11,030	10,510	4,185	2017-09-14 09:49
69,167	55,062	0,942	0,941	21693,437	21571,353	-0,692	0,036	510,435	10,853	10,681	4,219	2017-09-14 09:49
69,334	55,072	0,943	0,941	21568,734	21261,666	-0,675	0,037	510,435	10,887	10,531	4,189	2017-09-14 09:49
69,500	55,087	0,943	0,942	21427,534	21109,224	-0,689	0,037	510,435	11,017	10,861	4,255	2017-09-14 09:49
69,667	55,110	0,944	0,943	21269,061	20951,004	-0,671	0,037	510,529	10,939	10,851	4,253	2017-09-14 09:50
69,834	55,133	0,944	0,943	21063,717	20801,617	-0,671	0,037	510,529	10,779	10,623	4,208	2017-09-14 09:50
70,000	55,150	0,943	0,943	20838,270	20472,734	-0,671	0,037	510,529	10,919	10,863	4,255	2017-09-14 09:50
70,167	55,153	0,943	0,943	20674,014	19903,382	-0,668	0,037	510,529	10,752	10,766	4,236	2017-09-14 09:50
70,334	55,150	0,944	0,942	20422,243	19730,333	-0,668	0,037	510,529	10,725	10,635	4,210	2017-09-14 09:50
70,500	55,141	0,942	0,941	20096,743	19500,918	-0,664	0,037	510,489	10,586	10,565	4,196	2017-09-14 09:50
70,667	55,138	0,942	0,941	19812,657	19282,381	-0,664	0,036	510,529	10,675	10,681	4,219	2017-09-14 09:51
70,833	55,201	0,943	0,941	19524,892	18905,870	-0,654	0,037	510,529	10,622	10,687	4,220	2017-09-14 09:51
71,000	55,247	0,943	0,942	19265,617	18857,642	-0,668	0,037	510,529	10,607	10,929	4,268	2017-09-14 09:51
71,167	55,268	0,942	0,942	18987,564	18627,933	-0,675	0,037	510,529	10,595	10,867	4,256	2017-09-14 09:51
71,333	55,288	0,943	0,941	18731,875	18260,079	-0,689	0,037	510,529	10,536	10,461	4,176	2017-09-14 09:51
71,500	55,304	0,943	0,941	18519,279	17959,854	-0,671	0,036	510,529	10,564	10,514	4,186	2017-09-14 09:51
71,667	55,324	0,942	0,942	18262,973	17989,675	-0,671	0,037	513,338	10,610	10,649	4,213	2017-09-14 09:52
71,833	55,336	0,867	0,941	17824,581	16372,885	-0,664	0,037	510,529	10,413	10,828	4,248	2017-09-14 09:52
72,000	55,330	0,827	0,891	16234,957	16077,282	-0,671	0,036	510,529	10,470	10,910	4,264	2017-09-14 09:52
72,167	55,304	0,827	0,774	14795,449	16372,174	-0,685	0,037	510,529	10,556	10,619	4,207	2017-09-14 09:52
72,333	55,291	0,827	0,774	15149,327	15612,687	-0,689	0,036	510,435	10,403	10,691	4,221	2017-09-14 09:52
72,500	55,277	0,827	0,774	15208,786	15366,389	-0,706	0,037	515,386	10,608	10,701	4,223	2017-09-14 09:52
72,667	55,269	0,785	0,774	15112,910	14550,042	-0,668	0,037	510,529	10,376	10,466	4,177	2017-09-14 09:53
72,833	55,277	0,737	0,774	14678,257	13774,310	-0,675	0,037	510,435	10,060	10,796	4,242	2017-09-14 09:53
73,000	55,287	0,737	0,773	14407,428	14278,325	-0,668	0,037	510,434	10,372	10,581	4,199	2017-09-14 09:53
73,167	55,293	0,737	0,774	14312,351	14568,600	-0,664	0,037	510,435	10,374	10,487	4,181	2017-09-14 09:53
73,333	55,295	0,737	0,762	14110,872	14600,208	-0,689	0,038	510,529	10,166	10,704	4,224	2017-09-14 09:53
73,500	55,292	0,737	0,757	14154,528	14708,477	-0,657	0,037	510,435	10,363	10,960	4,274	2017-09-14 09:53
73,667	55,287	0,736	0,756	14188,634	14697,205	-0,640	0,038	510,435	10,173	11,016	4,285	2017-09-14 09:54
73,833	55,283	0,736	0,757	14236,502	14713,633	-0,682	0,037	510,435	10,470	11,095	4,300	2017-09-14 09:54
74,000	55,265	0,737	0,751	14154,249	14669,086	-0,675	0,037	510,348	10,217	10,784	4,240	2017-09-14 09:54
74,167	55,206	0,737	0,746	14251,439	14886,857	-0,661	0,037	510,342	9,967	10,966	4,275	2017-09-14 09:54
74,333	55,098	0,737	0,746	14398,683	14933,575	-0,678	0,037	510,342	10,110	10,387	4,161	2017-09-14 09:54
74,500	55,007	0,737	0,746	14580,342	15003,208	-0,671	0,037	510,342	10,192	10,612	4,206	2017-09-14 09:54
74,667	54,963	0,737	0,744	14644,724	15161,493	-0,664	0,037	510,341	10,097	10,773	4,237	2017-09-14 09:55
74,834	54,929	0,737	0,739	14655,054	15169,365	-0,668	0,037	510,342	10,370	10,516	4,186	2017-09-14 09:55
75,000	54,913	0,736	0,739	14779,179	15343,945	-0,664	0,037	510,341	10,325	10,751	4,233	2017-09-14 09:55
75,167	54,897	0,737	0,739	14823,799	15394,277	-0,675	0,037	510,342	10,011	4,246	2,660	2017-09-14 09:55

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
75,334	0,199	0,201	0,521	0,250	0,066	97,580	19,597	30,599	-13,289	32,047	20,027	20,156	20,431	19,755	77,400	59,068	72,478
75,500	0,199	0,201	0,521	0,247	0,063	97,607	19,567	21,713	-13,100	21,537	20,005	20,144	20,424	19,744	77,555	59,062	72,535
75,667	0,199	0,201	0,521	0,245	0,063	97,420	19,588	18,519	-12,640	17,270	20,051	20,176	20,445	19,777	77,536	59,073	72,589
75,834	0,199	0,201	0,521	0,235	0,064	97,201	19,595	18,484	-14,959	24,017	20,042	20,153	20,447	19,768	77,728	59,100	72,688
76,000	0,199	0,201	0,521	0,238	0,065	97,008	19,566	16,790	-14,821	19,657	20,054	20,173	20,447	19,781	77,766	59,120	72,771
76,167	0,199	0,201	0,521	0,244	0,064	96,772	19,567	16,526	-13,583	6,965	20,044	20,163	20,444	19,769	77,770	59,148	72,840
76,334	0,199	0,201	0,521	0,248	0,064	96,646	19,589	25,907	-13,330	24,063	20,104	20,219	20,495	19,828	77,710	59,166	72,889
76,500	0,199	0,201	0,522	0,241	0,067	96,534	19,667	22,611	-13,168	20,083	20,176	20,295	20,563	19,904	77,759	59,166	72,879
76,667	0,199	0,201	0,521	0,239	0,065	96,168	19,521	17,383	-14,110	17,126	20,005	20,139	20,412	19,744	77,662	59,123	72,861
76,834	0,199	0,201	0,521	0,246	0,066	95,981	19,541	17,499	-14,961	14,479	20,007	20,144	20,410	19,747	77,461	59,075	72,839
77,000	0,199	0,201	0,521	0,233	0,062	95,845	19,542	19,741	-13,745	20,634	20,026	20,152	20,412	19,758	77,617	59,037	72,808
77,167	0,199	0,201	0,521	0,240	0,064	95,655	19,548	16,765	-14,579	18,147	20,015	20,145	20,416	19,755	77,534	58,995	72,742
77,334	0,199	0,201	0,521	0,242	0,063	95,451	19,536	17,620	-13,874	11,010	20,022	20,154	20,410	19,758	77,499	58,980	72,724
77,500	0,199	0,201	0,521	0,237	0,064	95,157	19,548	30,760	-13,071	26,357	20,042	20,168	20,434	19,772	77,526	58,966	72,766
77,667	0,199	0,201	0,521	0,239	0,063	94,797	19,474	19,510	-11,489	23,720	20,024	20,139	20,421	19,754	77,693	59,003	71,979
77,833	0,199	0,201	0,521	0,236	0,064	94,507	19,520	18,765	-11,125	18,675	20,030	20,168	20,426	19,772	77,741	58,967	69,843
78,000	0,199	0,201	0,521	0,231	0,064	94,120	19,511	22,516	-11,105	21,999	20,034	20,171	20,441	19,763	77,826	58,049	70,250
78,167	0,199	0,201	0,519	0,237	0,062	93,784	19,532	20,641	-12,107	20,944	20,038	20,153	20,436	19,773	77,798	57,003	71,015
78,333	0,199	0,201	0,521	0,230	0,062	93,393	19,523	9,444	-21,715	1,171	20,031	20,166	20,428	19,767	77,888	56,755	71,391
78,500	0,199	0,201	0,521	0,236	0,063	93,049	19,530	31,787	-0,742	31,562	20,074	20,204	20,476	19,811	77,991	56,811	71,608
78,667	0,199	0,201	0,521	0,231	0,062	92,662	19,503	28,445	-6,399	28,281	20,038	20,174	20,444	19,772	77,845	56,870	71,984
78,833	0,199	0,201	0,521	0,235	0,064	92,328	19,496	25,360	-8,798	19,047	20,043	20,155	20,434	19,771	77,845	56,944	72,453
79,000	0,199	0,201	0,521	0,237	0,065	91,993	19,478	30,285	-6,903	23,282	20,022	20,153	20,423	19,763	77,713	57,125	72,719
79,167	0,199	0,201	0,521	0,234	0,066	91,641	19,467	30,786	-12,495	30,142	20,038	20,153	20,432	19,764	77,783	57,312	72,878
79,333	0,199	0,201	0,530	0,232	0,063	91,354	19,486	38,953	-9,970	31,554	20,026	20,170	20,428	19,769	77,744	57,438	72,950
79,500	0,199	0,201	0,521	0,226	0,062	91,102	19,549	16,633	-13,520	17,438	20,106	20,236	20,505	19,845	77,519	57,524	73,129
79,667	0,199	0,201	0,521	0,228	0,063	90,752	19,489	15,813	-13,701	12,210	20,044	20,174	20,444	19,780	77,524	57,616	73,280
79,833	0,199	0,202	0,521	0,229	0,064	90,457	19,422	24,375	5,587	32,813	20,069	20,194	20,470	19,812	77,442	57,774	73,451
80,000	0,199	0,201	0,521	0,232	0,065	90,143	19,322	11,553	-11,561	13,669	20,035	20,169	20,438	19,784	77,354	57,965	73,522
80,167	0,199	0,201	0,521	0,228	0,062	89,822	19,381	27,380	-8,540	23,025	20,038	20,178	20,453	19,777	77,346	58,103	73,545
80,333	0,199	0,203	0,521	0,230	0,063	89,519	19,420	29,268	-11,258	22,217	20,022	20,156	20,420	19,763	77,164	58,181	73,529
80,500	0,199	0,202	0,521	0,227	0,061	89,268	19,472	30,461	-12,294	30,369	20,030	20,151	20,435	19,772	77,056	58,240	73,488
80,667	0,374	0,217	0,521	0,225	0,065	88,981	19,447	20,706	-14,383	25,689	20,025	20,165	20,434	19,775	76,872	58,270	73,440
80,833	0,842	0,822	0,521	0,224	0,063	88,726	19,481	19,097	-13,588	11,411	20,044	20,169	20,443	19,777	76,655	58,301	73,367
81,000	0,846	0,835	0,521	0,222	0,066	88,484	19,505	26,137	-15,364	28,123	20,038	20,182	20,430	19,777	76,722	58,309	73,289
81,167	0,846	0,837	0,521	0,224	0,066	88,252	19,438	20,769	-12,859	20,793	20,056	20,174	20,452	19,791	76,473	58,306	73,210
81,334	0,846	0,837	0,521	0,224	0,065	88,079	19,395	19,971	-13,333	15,742	20,080	20,206	20,472	19,815	76,413	58,274	73,133
81,500	0,846	0,838	0,521	0,223	0,064	87,841	19,400	25,352	-13,932	31,311	20,034	20,176	20,422	19,772	76,370	58,232	73,050

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
75,334	54,906	0,737	0,739	14887,245	15450,960	-0,699	0,036	510,247	10,009	2,649	2,101	2017-09-14 09:55
75,500	54,931	0,737	0,739	14911,998	15584,883	-0,699	0,036	510,247	9,868	2,501	2,042	2017-09-14 09:55
75,667	54,935	0,737	0,739	14952,056	15573,128	-0,873	0,036	510,247	9,787	2,514	2,047	2017-09-14 09:56
75,834	54,943	0,737	0,740	15040,057	15713,111	-0,873	0,037	510,247	9,405	2,568	2,069	2017-09-14 09:56
76,000	54,927	0,737	0,738	15101,661	15721,238	-0,883	0,037	510,247	9,509	2,581	2,074	2017-09-14 09:56
76,167	54,870	0,737	0,739	15221,160	15706,182	-0,859	0,037	510,247	9,760	2,543	2,059	2017-09-14 09:56
76,334	54,793	0,737	0,739	15324,553	15629,136	-0,866	0,037	510,247	9,930	2,551	2,062	2017-09-14 09:56
76,500	54,727	0,737	0,739	15375,409	15669,043	-0,869	0,037	510,435	9,642	2,663	2,107	2017-09-14 09:56
76,667	54,673	0,736	0,740	15423,249	15616,821	-0,859	0,036	510,247	9,563	2,615	2,088	2017-09-14 09:57
76,834	54,660	0,737	0,739	15408,481	15504,033	-0,880	0,037	510,154	9,827	2,634	2,095	2017-09-14 09:57
77,000	54,680	0,737	0,740	15373,026	15673,664	-0,862	0,036	510,154	9,304	2,472	2,030	2017-09-14 09:57
77,167	54,696	0,738	0,739	15292,478	15655,304	-0,876	0,036	510,247	9,615	2,542	2,058	2017-09-14 09:57
77,334	54,716	0,737	0,739	15260,424	15606,753	-0,887	0,036	510,154	9,670	2,539	2,057	2017-09-14 09:57
77,500	54,731	0,734	0,738	15251,099	15595,006	-0,880	0,037	510,247	9,471	2,572	2,070	2017-09-14 09:57
77,667	54,736	0,492	0,739	14609,795	10519,648	-0,873	0,036	510,154	9,557	2,506	2,044	2017-09-14 09:58
77,833	54,720	0,444	0,656	11365,178	9529,243	-0,880	0,036	510,247	9,438	2,564	2,067	2017-09-14 09:58
78,000	54,673	0,443	0,519	9262,973	10019,177	-0,883	0,036	510,154	9,243	2,569	2,069	2017-09-14 09:58
78,167	54,636	0,442	0,519	9737,275	10516,505	-0,880	0,036	509,825	9,494	2,470	2,029	2017-09-14 09:58
78,333	54,620	0,442	0,519	9976,036	10697,674	-0,876	0,037	510,154	9,217	2,468	2,028	2017-09-14 09:58
78,500	54,613	0,448	0,507	9883,013	10869,407	-0,866	0,036	510,154	9,440	2,525	2,052	2017-09-14 09:58
78,667	54,580	0,448	0,473	9430,704	10766,888	-0,900	0,037	510,129	9,258	2,462	2,026	2017-09-14 09:59
78,833	54,557	0,448	0,473	9694,349	10735,591	-0,894	0,037	510,154	9,389	2,547	2,060	2017-09-14 09:59
79,000	54,541	0,448	0,473	9851,656	10571,063	-0,883	0,037	510,154	9,467	2,595	2,080	2017-09-14 09:59
79,167	54,534	0,448	0,472	9932,117	10508,532	-0,890	0,037	510,154	9,346	2,632	2,095	2017-09-14 09:59
79,333	54,528	0,448	0,454	9587,807	10424,822	-0,873	0,036	511,841	9,262	2,510	2,045	2017-09-14 09:59
79,500	54,530	0,455	0,453	9647,652	10411,373	-0,897	0,037	510,154	9,029	2,494	2,039	2017-09-14 09:59
79,667	54,534	0,467	0,453	9723,714	10651,365	-0,900	0,037	510,154	9,105	2,514	2,047	2017-09-14 10:00
79,833	54,548	0,467	0,453	9808,203	10520,658	-0,883	0,038	510,154	9,146	2,554	2,063	2017-09-14 10:00
80,000	54,556	0,467	0,452	9836,672	10363,548	-0,869	0,037	510,154	9,293	2,604	2,083	2017-09-14 10:00
80,167	54,580	0,468	0,452	9826,755	10298,536	-0,657	0,036	510,154	9,137	2,494	2,039	2017-09-14 10:00
80,333	54,608	0,467	0,452	9810,521	10156,206	2,942	0,077	510,154	9,195	2,537	2,056	2017-09-14 10:00
80,500	54,605	0,467	0,452	9793,233	10064,858	0,191	0,038	510,154	9,071	2,452	2,021	2017-09-14 10:00
80,667	54,548	0,467	0,452	9787,544	9948,947	1096,358	0,426	510,154	9,002	2,602	2,083	2017-09-14 10:01
80,833	54,473	0,467	0,452	9787,501	9810,832	4012,344	15,540	510,154	8,955	2,535	2,056	2017-09-14 10:01
81,000	54,410	0,467	0,452	9782,115	9848,756	4037,162	15,872	510,154	8,881	2,622	2,090	2017-09-14 10:01
81,167	54,386	0,467	0,452	9761,264	9713,077	4038,069	15,915	510,154	8,977	2,647	2,100	2017-09-14 10:01
81,334	54,374	0,467	0,452	9711,657	9693,088	4038,572	15,935	510,154	8,943	2,581	2,074	2017-09-14 10:01
81,500	54,366	0,467	0,452	9682,911	9694,211	4039,187	15,944	510,154	8,927	2,548	2,061	2017-09-14 10:01

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
81,667	0,846	0,838	0,521	0,221	0,062	87,674	19,413	17,582	-11,586	27,433	20,042	20,179	20,448	19,783	76,359	58,199	72,967
81,834	0,846	0,838	0,521	0,223	0,061	87,559	19,470	17,284	-11,359	21,662	20,075	20,189	20,458	19,799	76,247	58,177	72,762
82,000	0,846	0,838	0,521	0,225	0,066	87,363	19,481	16,308	-13,017	20,455	20,037	20,183	20,446	19,784	76,323	58,131	72,204
82,167	0,846	0,839	0,539	0,218	0,067	87,157	19,468	15,038	-13,113	18,494	20,042	20,176	20,427	19,779	76,340	57,835	71,756
82,334	0,846	0,841	0,521	0,222	0,064	86,979	19,480	14,316	-14,230	17,415	20,055	20,185	20,446	19,793	76,215	57,440	71,474
82,500	0,846	0,841	0,520	0,221	0,063	86,721	19,453	13,885	-13,368	9,758	20,034	20,167	20,437	19,773	76,264	57,135	71,303
82,667	0,846	0,841	0,520	0,217	0,065	86,480	19,471	24,542	-3,545	20,619	20,038	20,180	20,440	19,777	76,033	56,940	71,195
82,834	0,846	0,841	0,521	0,217	0,065	86,228	19,434	24,780	-6,955	30,465	20,047	20,172	20,430	19,776	75,990	56,817	71,114
83,000	0,762	0,837	0,521	0,219	0,065	85,982	19,464	21,668	-8,447	17,377	20,030	20,171	20,443	19,775	76,165	56,735	71,032
83,167	0,212	0,235	0,521	0,219	0,065	85,741	19,450	40,451	-12,363	-12,344	20,037	20,171	20,431	19,777	76,158	56,682	70,956
83,334	0,200	0,206	0,520	0,216	0,067	85,543	19,437	28,771	-10,636	24,102	20,030	20,175	20,436	19,781	76,169	56,615	70,885
83,500	0,199	0,203	0,520	0,217	0,066	85,348	19,460	22,762	-13,161	25,504	20,054	20,184	20,447	19,780	76,040	56,564	70,854
83,667	0,199	0,203	0,515	0,217	0,063	85,148	19,423	16,238	-13,615	15,341	20,041	20,166	20,438	19,780	76,133	56,519	70,820
83,834	0,199	0,203	0,516	0,213	0,065	84,931	19,438	22,284	-11,262	15,580	20,025	20,167	20,418	19,772	76,059	56,489	70,801
84,000	0,199	0,202	0,519	0,215	0,064	84,762	19,428	24,947	-13,756	26,931	20,038	20,163	20,453	19,781	75,967	56,466	70,789
84,167	0,199	0,202	0,519	0,216	0,065	84,566	19,450	16,695	-14,285	23,174	20,054	20,169	20,431	19,784	76,014	56,450	70,782
84,333	0,199	0,202	0,520	0,215	0,065	84,367	19,406	14,280	-14,286	19,290	20,035	20,167	20,440	19,776	76,045	56,449	70,769
84,500	0,199	0,202	0,520	0,213	0,064	84,218	19,423	15,491	-14,376	11,934	20,051	20,184	20,430	19,783	75,943	56,441	70,770
84,667	0,199	0,202	0,521	0,211	0,066	84,036	19,410	24,666	-16,263	16,906	20,043	20,178	20,438	19,780	75,912	56,465	70,732
84,833	0,199	0,202	0,520	0,215	0,065	83,877	19,403	20,990	-12,323	12,638	20,046	20,192	20,434	19,780	75,773	56,515	70,721
85,000	0,199	0,202	0,520	0,212	0,064	83,711	19,302	27,927	-12,042	20,612	20,052	20,183	20,432	19,776	75,676	56,574	71,365
85,167	0,199	0,202	0,528	0,211	0,063	83,565	19,350	28,957	-14,928	26,144	20,060	20,184	20,435	19,787	75,474	57,053	71,957
85,333	0,199	0,202	0,520	0,212	0,066	83,410	19,288	23,209	-11,708	17,330	20,047	20,184	20,447	19,781	75,277	57,600	72,272
85,500	0,199	0,202	0,520	0,209	0,065	83,219	19,330	27,879	-12,934	27,457	20,055	20,171	20,452	19,784	75,280	58,006	72,300
85,667	0,199	0,202	0,521	0,214	0,064	83,063	19,334	21,152	-14,155	18,128	20,052	20,173	20,446	19,788	75,187	58,201	72,064
85,833	0,199	0,202	0,520	0,206	0,066	82,940	19,323	23,703	-13,654	22,429	20,049	20,195	20,459	19,791	74,964	58,082	71,851
86,000	0,199	0,202	0,520	0,207	0,066	82,778	19,362	21,401	-14,095	27,559	20,039	20,175	20,441	19,779	74,863	57,959	71,733
86,167	0,199	0,202	0,520	0,209	0,066	82,660	19,384	15,282	-15,142	19,121	20,050	20,190	20,442	19,788	74,789	57,880	71,631
86,333	0,199	0,202	0,520	0,209	0,064	82,498	19,352	14,346	-14,545	16,394	20,045	20,192	20,451	19,784	74,638	57,835	71,515
86,500	0,199	0,201	0,520	0,206	0,066	82,282	19,377	15,408	-12,784	8,639	20,059	20,198	20,451	19,793	74,628	57,841	71,414
86,667	0,199	0,201	0,520	0,208	0,066	82,122	19,393	21,499	-13,541	22,455	20,057	20,192	20,455	19,795	74,596	57,851	71,327
86,833	0,199	0,201	0,520	0,208	0,065	82,012	19,382	15,892	-14,873	23,089	20,058	20,178	20,446	19,787	74,541	57,863	71,273
87,000	0,199	0,201	0,520	0,205	0,065	81,849	19,361	13,988	-15,297	18,130	20,047	20,174	20,451	19,788	74,458	57,879	71,202
87,167	0,199	0,201	0,520	0,206	0,067	81,702	19,398	14,936	-12,629	7,791	20,054	20,192	20,469	19,795	74,303	57,891	71,140
87,333	0,199	0,201	0,520	0,204	0,066	81,550	19,275	24,435	-13,028	29,146	20,054	20,178	20,439	19,781	74,201	57,882	71,086
87,500	0,199	0,201	0,521	0,204	0,004	81,389	19,318	17,613	-13,876	14,299	20,051	20,179	20,440	19,781	74,237	57,869	71,026
87,667	0,199	0,201	0,520	0,203	0,003	81,233	19,314	20,060	-12,183	13,364	20,046	20,178	20,444	19,781	74,071	57,851	70,955
87,833	0,199	0,201	0,520	0,204	0,062	81,063	19,306	23,795	-13,378	29,199	20,054	20,170	20,440	19,783	73,835	57,835	70,878

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
81,667	54,363	0,456	0,452	9643,909	9475,350	4039,660	15,951	510,154	8,857	2,484	2,034	2017-09-14 10:02
81,834	54,367	0,396	0,452	9532,995	8196,273	4039,667	15,956	510,154	8,925	2,453	2,022	2017-09-14 10:02
82,000	54,379	0,396	0,453	9252,520	8249,717	4039,903	15,961	510,154	9,001	2,658	2,105	2017-09-14 10:02
82,167	54,408	0,396	0,453	9002,074	8395,251	4039,938	15,963	513,552	8,714	2,669	2,109	2017-09-14 10:02
82,334	54,427	0,396	0,452	8840,800	8511,046	4040,362	16,019	510,154	8,882	2,558	2,065	2017-09-14 10:02
82,500	54,411	0,396	0,452	8754,965	8666,625	4040,358	16,020	510,060	8,834	2,507	2,044	2017-09-14 10:02
82,667	54,367	0,395	0,452	8721,145	8643,424	4040,365	16,022	510,060	8,679	2,609	2,085	2017-09-14 10:03
82,834	54,316	0,395	0,452	8706,918	8672,169	4040,584	16,024	510,153	8,668	2,581	2,074	2017-09-14 10:03
83,000	54,288	0,395	0,452	8677,313	8793,923	3512,831	15,919	510,154	8,743	2,593	2,079	2017-09-14 10:03
83,167	54,289	0,395	0,452	8642,598	8811,156	82,726	0,880	510,154	8,743	2,595	2,080	2017-09-14 10:03
83,334	54,305	0,395	0,452	8595,524	8853,104	8,495	0,157	510,060	8,622	2,668	2,109	2017-09-14 10:03
83,500	54,317	0,395	0,452	8571,070	8807,220	3,801	0,087	510,060	8,664	2,650	2,102	2017-09-14 10:03
83,667	54,333	0,395	0,452	8549,958	8867,410	2,737	0,072	509,025	8,678	2,507	2,044	2017-09-14 10:04
83,834	54,362	0,395	0,453	8526,317	8845,436	2,293	0,066	509,263	8,530	2,599	2,081	2017-09-14 10:04
84,000	54,420	0,395	0,453	8495,512	8827,235	1,862	0,059	509,731	8,581	2,577	2,073	2017-09-14 10:04
84,167	54,485	0,395	0,453	8466,339	8851,353	1,455	0,055	509,731	8,630	2,594	2,079	2017-09-14 10:04
84,333	54,521	0,395	0,453	8432,503	8877,576	1,042	0,051	510,059	8,587	2,602	2,083	2017-09-14 10:04
84,500	54,528	0,395	0,453	8423,813	8823,760	0,809	0,049	510,060	8,508	2,557	2,064	2017-09-14 10:04
84,667	54,521	0,395	0,452	8405,011	8795,435	0,607	0,047	510,153	8,426	2,625	2,092	2017-09-14 10:05
84,833	54,502	0,471	0,453	8415,409	10396,179	0,413	0,046	510,060	8,608	2,582	2,074	2017-09-14 10:05
85,000	54,493	0,503	0,453	8750,974	11004,325	0,413	0,044	510,060	8,480	2,556	2,064	2017-09-14 10:05
85,167	54,498	0,503	0,452	9054,243	10620,663	0,413	0,044	511,466	8,446	2,525	2,051	2017-09-14 10:05
85,333	54,510	0,488	0,452	9211,609	9877,259	0,194	0,043	510,060	8,465	2,635	2,096	2017-09-14 10:05
85,500	54,525	0,458	0,452	9207,962	9050,142	0,218	0,042	510,060	8,349	2,618	2,089	2017-09-14 10:05
85,667	54,564	0,457	0,452	9063,003	8886,807	-0,018	0,040	510,103	8,549	2,571	2,070	2017-09-14 10:06
85,833	54,631	0,458	0,452	8921,231	8840,508	-0,014	0,040	510,060	8,255	2,631	2,094	2017-09-14 10:06
86,000	54,706	0,458	0,452	8823,300	8854,052	-0,021	0,039	510,060	8,281	2,656	2,104	2017-09-14 10:06
86,167	54,771	0,457	0,452	8742,300	8853,690	-0,233	0,039	510,060	8,355	2,636	2,096	2017-09-14 10:06
86,333	54,811	0,457	0,452	8661,056	8790,269	-0,247	0,038	510,060	8,357	2,543	2,059	2017-09-14 10:06
86,500	54,823	0,457	0,452	8601,870	8780,292	-0,237	0,037	510,060	8,250	2,640	2,097	2017-09-14 10:06
86,667	54,818	0,457	0,452	8551,816	8753,933	-0,466	0,037	510,060	8,302	2,628	2,093	2017-09-14 10:07
86,833	54,809	0,457	0,453	8547,455	8721,853	-0,435	0,037	510,060	8,301	2,588	2,077	2017-09-14 10:07
87,000	54,801	0,457	0,453	8505,318	8674,077	-0,445	0,036	510,060	8,203	2,606	2,084	2017-09-14 10:07
87,167	54,799	0,457	0,452	8467,859	8580,629	-0,445	0,036	510,060	8,244	2,677	2,112	2017-09-14 10:07
87,333	54,799	0,457	0,452	8440,702	8529,330	-0,466	0,036	510,060	8,170	2,654	2,103	2017-09-14 10:07
87,500	54,813	0,457	0,452	8403,245	8559,671	-0,470	0,036	510,153	8,140	0,171	0,533	2017-09-14 10:07
87,667	54,842	0,456	0,452	8352,764	8474,377	-0,442	0,035	510,060	8,101	0,110	0,428	2017-09-14 10:08
87,833	54,890	0,457	0,452	8284,533	8363,075	-0,459	0,035	510,060	8,143	2,487	2,036	2017-09-14 10:08

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
88,000	0,199	0,201	0,520	0,204	0,066	80,929	19,327	19,549	-13,395	10,338	20,052	20,180	20,434	19,783	74,013	57,812	70,813
88,167	0,199	0,201	0,520	0,204	0,065	80,774	19,340	23,695	-14,315	29,248	20,055	20,179	20,438	19,785	73,971	57,810	70,723
88,334	0,199	0,201	0,521	0,204	0,066	80,609	19,359	18,467	-13,366	11,960	20,054	20,195	20,451	19,788	73,843	57,822	70,663
88,500	0,199	0,201	0,520	0,197	0,064	80,460	19,266	24,303	-13,067	15,581	20,054	20,192	20,455	19,788	73,735	57,851	70,588
88,667	0,199	0,201	0,520	0,206	0,067	80,319	19,323	25,185	-13,272	29,300	20,062	20,196	20,450	19,791	73,719	57,860	70,535
88,834	0,199	0,201	0,520	0,201	0,062	80,186	19,334	18,840	-14,712	17,661	20,066	20,192	20,452	19,789	73,580	57,861	70,485
89,000	0,199	0,201	0,520	0,200	0,065	80,084	19,342	18,457	-14,275	24,718	20,054	20,183	20,435	19,785	73,559	57,871	70,438
89,167	0,199	0,201	0,520	0,197	0,063	79,939	19,329	16,552	-12,181	8,737	20,062	20,183	20,463	19,788	73,571	57,891	70,403
89,334	0,199	0,201	0,520	0,204	0,162	79,801	19,340	22,008	-13,264	29,669	20,047	20,180	20,455	19,787	73,414	57,888	70,358
89,500	0,199	0,201	0,520	0,210	0,239	79,662	19,331	14,413	-14,332	15,294	20,056	20,177	20,433	19,787	73,190	57,883	70,314
89,667	0,199	0,201	0,520	0,210	0,252	79,580	19,312	19,863	-12,212	11,573	20,056	20,175	20,442	19,785	73,138	57,890	70,273
89,834	0,199	0,201	0,520	0,208	0,256	79,431	19,316	25,648	-12,765	26,226	20,052	20,192	20,451	19,787	73,142	57,868	70,214
90,000	0,199	0,201	0,520	0,208	0,254	79,289	19,320	22,228	-13,317	20,611	20,047	20,182	20,448	19,788	73,270	57,856	70,143
90,167	0,199	0,201	0,520	0,206	0,254	79,141	19,271	20,769	-12,912	26,449	20,066	20,191	20,453	19,789	73,316	57,871	70,068
90,334	0,199	0,201	0,520	0,210	0,257	79,052	19,323	16,957	-22,597	24,036	20,054	20,182	20,435	19,785	73,267	57,853	70,039
90,500	0,224	0,246	0,520	0,206	0,263	78,925	19,295	1,149	-14,344	2,069	20,073	20,197	20,451	19,787	73,077	57,872	70,008
90,667	0,243	0,404	0,520	0,205	0,249	78,799	19,291	18,097	-15,472	17,967	20,060	20,188	20,452	19,788	73,087	57,900	69,997
90,834	0,231	0,423	0,520	0,209	0,256	78,694	19,302	15,011	-15,401	5,882	20,054	20,191	20,449	19,787	72,979	57,915	70,001
91,000	0,227	0,438	0,520	0,209	0,254	78,635	19,333	19,692	-13,955	9,302	20,073	20,184	20,453	19,788	72,938	57,923	69,958
91,167	0,228	0,453	0,520	0,203	0,249	78,480	19,346	27,287	-12,704	19,321	20,068	20,184	20,450	19,789	72,712	57,943	69,927
91,333	0,228	0,466	0,520	0,201	0,255	78,345	19,338	26,806	-13,305	18,502	20,060	20,190	20,438	19,791	72,717	57,946	69,850
91,500	0,236	0,456	0,520	0,203	0,253	78,198	19,359	23,450	-15,045	27,535	20,062	20,204	20,451	19,797	72,941	57,950	69,789
91,667	0,239	0,436	0,520	0,204	0,247	78,086	19,382	17,670	-15,870	20,861	20,070	20,191	20,451	19,793	72,918	57,954	69,722
91,833	0,236	0,430	0,520	0,204	0,254	77,974	19,354	18,157	-14,290	12,908	20,068	20,198	20,464	19,797	72,859	57,947	69,685
92,000	0,233	0,424	0,520	0,200	0,256	77,845	19,341	24,725	-12,446	18,346	20,081	20,202	20,463	19,795	72,813	57,931	69,687
92,167	0,230	0,425	0,520	0,201	0,251	77,703	19,350	29,502	-12,813	22,854	20,057	20,191	20,452	19,793	72,585	57,919	69,676
92,333	0,229	0,425	0,520	0,202	0,258	77,559	19,304	24,263	-14,426	24,511	20,074	20,203	20,450	19,796	72,654	57,927	69,664
92,500	0,228	0,425	0,520	0,203	0,263	77,420	19,351	22,152	-13,180	14,754	20,089	20,198	20,452	19,795	72,527	57,941	69,616
92,667	0,226	0,421	0,520	0,201	0,264	77,292	19,263	26,186	-14,772	29,403	20,067	20,195	20,444	19,795	72,500	57,965	69,598
92,833	0,228	0,409	0,520	0,202	0,248	77,130	19,324	18,168	-15,294	24,834	20,080	20,202	20,451	19,793	72,477	57,955	69,548
93,000	0,227	0,407	0,520	0,199	0,249	77,012	19,356	12,001	-16,528	19,914	20,071	20,211	20,468	19,800	72,500	57,980	69,510
93,167	0,223	0,417	0,520	0,200	0,259	76,918	19,350	12,324	-14,422	12,154	20,076	20,211	20,459	19,801	72,397	57,997	69,447
93,333	0,223	0,424	0,520	0,197	0,258	76,824	19,364	18,419	-13,895	16,826	20,082	20,218	20,476	19,812	72,493	57,997	69,413
93,500	0,226	0,441	0,520	0,200	0,253	76,676	19,366	20,637	-12,651	15,489	20,096	20,227	20,466	19,809	72,259	57,992	69,378
93,667	0,232	0,469	0,520	0,197	0,257	76,550	19,338	28,926	-11,891	21,192	20,081	20,194	20,438	19,797	72,373	57,982	69,339
93,833	0,231	0,479	0,520	0,195	0,254	76,492	19,366	22,506	-14,849	31,094	20,088	20,219	20,474	19,816	72,207	57,988	69,298
94,000	0,221	0,487	0,520	0,194	0,253	76,357	19,261	18,091	-15,178	15,545	20,076	20,210	20,464	19,808	72,168	57,978	69,268
94,167	0,221	0,498	0,520	0,195	0,261	76,242	19,379	21,390	-12,063	14,437	20,083	20,217	20,466	19,807	72,191	57,964	69,258

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
88,000	54,937	0,457	0,452	8220,725	8467,130	-0,675	0,035	510,060	8,154	2,643	2,099	2017-09-14 10:08
88,167	54,980	0,457	0,452	8157,507	8451,504	-0,692	0,035	510,059	8,167	2,591	2,078	2017-09-14 10:08
88,334	55,000	0,457	0,452	8118,225	8378,202	-0,682	0,036	510,154	8,141	2,648	2,101	2017-09-14 10:08
88,500	55,011	0,457	0,452	8075,367	8303,188	-0,682	0,036	510,060	7,860	2,565	2,068	2017-09-14 10:08
88,667	55,007	0,457	0,452	8049,352	8291,174	-0,675	0,035	510,060	8,232	2,688	2,117	2017-09-14 10:09
88,834	55,006	0,457	0,452	8017,111	8213,028	-0,661	0,034	510,060	8,055	2,497	2,040	2017-09-14 10:09
89,000	55,000	0,457	0,452	7995,735	8197,060	-0,661	0,034	510,060	7,999	2,592	2,078	2017-09-14 10:09
89,167	54,999	0,457	0,452	7984,940	8196,135	-0,657	0,034	510,059	7,878	2,515	2,047	2017-09-14 10:09
89,334	55,003	0,457	0,452	7953,860	8112,107	-0,657	0,034	510,059	8,146	6,469	3,283	2017-09-14 10:09
89,500	55,016	0,457	0,452	7923,010	7999,192	-0,654	0,034	510,059	8,384	9,560	3,992	2017-09-14 10:09
89,667	55,047	0,457	0,452	7893,371	7974,316	-0,633	0,033	510,060	8,407	10,070	4,097	2017-09-14 10:10
89,834	55,089	0,457	0,452	7841,213	7984,805	-0,671	0,033	510,060	8,305	10,256	4,134	2017-09-14 10:10
90,000	55,129	0,457	0,452	7776,617	8062,573	-0,675	0,034	510,060	8,335	10,160	4,115	2017-09-14 10:10
90,167	55,165	0,457	0,452	7723,323	8081,781	-0,678	0,033	510,060	8,234	10,140	4,111	2017-09-14 10:10
90,334	55,192	0,457	0,452	7691,025	8058,222	-0,678	0,033	510,060	8,392	10,287	4,141	2017-09-14 10:10
90,500	55,206	0,457	0,452	7667,261	7953,093	159,206	1,146	510,060	8,257	10,512	4,186	2017-09-14 10:10
90,667	55,212	0,457	0,452	7654,289	7942,906	273,811	5,110	510,060	8,186	9,973	4,077	2017-09-14 10:11
90,834	55,213	0,457	0,452	7654,919	7870,407	200,636	5,574	510,060	8,365	10,243	4,132	2017-09-14 10:11
91,000	55,210	0,456	0,452	7635,766	7843,666	175,043	5,962	510,060	8,350	10,161	4,115	2017-09-14 10:11
91,167	55,210	0,457	0,452	7625,328	7724,248	183,218	6,325	509,967	8,125	9,947	4,072	2017-09-14 10:11
91,333	55,214	0,457	0,452	7583,340	7729,826	185,247	6,639	509,967	8,039	10,181	4,119	2017-09-14 10:11
91,500	55,229	0,457	0,452	7541,776	7837,292	235,352	6,394	509,967	8,119	10,119	4,107	2017-09-14 10:11
91,667	55,251	0,456	0,452	7486,499	7817,105	248,437	5,899	509,967	8,155	9,864	4,055	2017-09-14 10:12
91,833	55,280	0,457	0,451	7447,090	7791,706	230,919	5,758	509,967	8,149	10,170	4,117	2017-09-14 10:12
92,000	55,300	0,457	0,452	7451,630	7775,936	211,066	5,610	509,967	7,986	10,223	4,128	2017-09-14 10:12
92,167	55,320	0,457	0,452	7426,501	7670,625	196,411	5,620	509,967	8,034	10,031	4,089	2017-09-14 10:12
92,333	55,335	0,457	0,452	7413,288	7695,866	189,517	5,624	509,968	8,083	10,303	4,144	2017-09-14 10:12
92,500	55,343	0,456	0,452	7385,993	7616,583	182,391	5,636	509,968	8,107	10,531	4,189	2017-09-14 10:12
92,667	55,344	0,457	0,452	7376,533	7602,087	171,071	5,516	509,967	8,039	10,541	4,191	2017-09-14 10:13
92,833	55,344	0,457	0,452	7357,592	7592,737	179,907	5,232	509,967	8,064	9,904	4,063	2017-09-14 10:13
93,000	55,340	0,457	0,452	7332,188	7593,290	175,884	5,171	510,060	7,945	9,953	4,073	2017-09-14 10:13
93,167	55,340	0,457	0,452	7305,196	7527,133	154,512	5,424	509,967	8,010	10,352	4,154	2017-09-14 10:13
93,333	55,346	0,457	0,452	7279,110	7581,587	154,286	5,594	510,029	7,864	10,323	4,148	2017-09-14 10:13
93,500	55,334	0,456	0,451	7257,058	7446,495	170,846	6,024	509,967	7,982	10,120	4,107	2017-09-14 10:13
93,667	55,308	0,456	0,451	7256,868	7513,080	206,494	6,719	509,967	7,862	10,293	4,142	2017-09-14 10:14
93,833	55,287	0,457	0,451	7242,295	7433,879	200,031	6,982	509,967	7,809	10,148	4,113	2017-09-14 10:14
94,000	55,269	0,456	0,452	7245,128	7411,356	139,391	7,182	510,046	7,755	10,131	4,109	2017-09-14 10:14
94,167	55,263	0,457	0,452	7243,749	7436,879	139,103	7,441	509,967	7,805	10,427	4,169	2017-09-14 10:14

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
94,333	0,221	0,473	0,520	0,194	0,263	76,143	19,329	28,198	-13,489	24,958	20,086	20,232	20,463	19,813	72,188	57,949	69,232
94,500	0,225	0,458	0,520	0,194	0,259	75,997	19,311	19,665	-15,370	26,007	20,071	20,217	20,464	19,803	72,176	57,918	69,166
94,667	0,225	0,460	0,520	0,198	0,259	75,898	19,338	18,695	-10,270	12,285	20,089	20,217	20,467	19,804	72,199	57,910	69,130
94,833	0,222	0,467	0,520	0,196	0,255	75,817	19,303	26,345	-14,654	26,964	20,090	20,228	20,474	19,815	72,299	57,898	69,115
95,000	0,220	0,475	0,520	0,193	0,261	75,701	19,355	22,339	-14,548	17,570	20,080	20,225	20,462	19,809	72,028	57,886	69,111
95,167	0,230	0,478	0,520	0,197	0,258	75,619	19,246	25,662	-13,172	19,453	20,084	20,236	20,479	19,819	72,118	57,869	69,104
95,334	0,239	0,467	0,520	0,196	0,258	75,511	19,285	31,264	-12,106	23,078	20,089	20,223	20,468	19,809	72,257	57,857	69,077
95,500	0,242	0,457	0,520	0,193	0,247	75,392	19,302	19,064	-14,572	27,434	20,080	20,219	20,468	19,805	72,219	57,855	69,061
95,667	0,231	0,460	0,520	0,188	0,263	75,275	19,351	15,555	-16,144	11,128	20,079	20,217	20,459	19,809	72,263	57,840	69,058
95,834	0,228	0,465	0,519	0,193	0,252	75,190	19,360	23,566	-11,964	15,521	20,088	20,215	20,458	19,809	72,156	57,837	69,061
96,000	0,226	0,479	0,520	0,194	0,255	75,030	19,143	28,121	-11,881	20,966	20,092	20,223	20,468	19,812	72,081	57,839	69,097
96,167	0,226	0,477	0,520	0,192	0,262	74,948	19,231	28,409	-13,201	27,353	20,095	20,225	20,468	19,815	71,936	57,828	69,107
96,334	0,231	0,480	0,520	0,192	0,255	74,833	19,280	24,072	-14,008	25,681	20,094	20,229	20,478	19,819	71,909	57,814	69,090
96,500	0,229	0,472	0,520	0,192	0,260	74,744	19,319	21,976	-13,428	15,368	20,116	20,243	20,474	19,831	71,963	57,808	69,039
96,667	0,231	0,475	0,520	0,189	0,257	74,664	19,322	27,797	-12,210	20,538	20,096	20,250	20,484	19,827	71,827	57,794	68,999
96,834	0,228	0,486	0,539	0,191	0,247	74,581	19,321	25,818	-14,875	27,120	20,124	20,261	20,496	19,845	71,819	57,784	68,946
97,000	0,224	0,499	0,519	0,191	0,255	74,477	19,308	17,509	-12,382	19,231	20,100	20,244	20,467	19,819	72,000	57,814	68,896
97,167	0,227	0,500	0,519	0,188	0,260	74,368	19,323	17,298	-9,637	35,068	20,094	20,243	20,471	19,823	72,040	57,820	68,397
97,334	0,234	0,482	0,519	0,190	0,254	74,238	19,320	17,883	-12,414	8,735	20,083	20,244	20,472	19,817	72,087	57,782	67,397
97,500	0,234	0,461	0,519	0,194	0,254	74,166	19,238	23,416	-10,674	32,100	20,109	20,223	20,476	19,819	72,184	57,673	66,870
97,667	0,232	0,440	0,519	0,190	0,253	74,056	19,285	18,814	-13,058	20,057	20,088	20,225	20,467	19,809	72,217	56,921	66,590
97,833	0,237	0,431	0,519	0,188	0,255	73,926	19,312	22,184	-12,471	13,803	20,096	20,229	20,467	19,815	72,298	56,382	67,280
98,000	0,234	0,434	0,519	0,188	0,247	73,866	19,325	27,954	-12,388	21,304	20,088	20,239	20,471	19,823	72,300	56,206	67,859
98,167	0,238	0,440	0,541	0,189	0,253	73,797	19,324	20,867	-13,440	33,682	20,100	20,239	20,472	19,819	72,335	56,366	68,249
98,333	0,243	0,444	0,519	0,193	0,262	73,723	19,311	17,032	-13,175	16,025	20,095	20,237	20,480	19,816	72,360	56,580	68,513
98,500	0,238	0,437	0,519	0,192	0,261	73,664	19,206	18,273	-14,887	18,699	20,107	20,237	20,474	19,825	72,360	56,775	68,706
98,667	0,234	0,437	0,519	0,190	0,247	73,571	19,174	14,461	-15,187	22,758	20,100	20,237	20,474	19,824	72,029	56,912	68,890
98,833	0,234	0,454	0,519	0,186	0,259	73,578	19,202	13,780	-14,741	21,286	20,115	20,249	20,496	19,840	72,110	57,070	69,031
99,000	0,223	0,474	0,519	0,186	0,250	73,469	19,229	17,351	-11,830	9,595	20,121	20,260	20,508	19,840	71,985	57,203	69,111
99,167	0,219	0,487	0,535	0,187	0,260	73,362	19,229	28,688	-12,657	20,636	20,109	20,226	20,478	19,824	72,054	57,300	69,107
99,333	0,221	0,500	0,519	0,183	0,252	73,303	19,337	27,504	-11,772	19,787	20,117	20,245	20,489	19,829	72,159	57,362	69,074
99,500	0,217	0,510	0,519	0,183	0,247	73,219	19,353	25,286	-14,314	32,986	20,119	20,239	20,476	19,831	72,251	57,401	68,934
99,667	0,216	0,508	0,542	0,188	0,253	73,119	19,323	30,378	-8,454	18,518	20,109	20,256	20,486	19,829	72,199	57,397	68,801
99,833	0,222	0,493	0,519	0,187	0,253	73,052	19,302	18,158	-14,329	23,388	20,116	20,251	20,487	19,829	72,139	57,279	68,699
100,000	0,228	0,483	0,519	0,184	0,257	72,961	19,294	14,934	-14,828	24,721	20,108	20,251	20,487	19,835	72,157	57,158	68,664
100,167	0,228	0,465	0,519	0,187	0,261	72,907	19,334	12,337	-14,703	19,650	20,115	20,256	20,502	19,843	72,132	57,064	68,647
100,333	0,227	0,457	0,541	0,185	0,253	72,805	19,323	13,147	-14,278	12,841	20,107	20,231	20,489	19,824	72,139	56,986	68,613
100,500	0,232	0,456	0,519	0,186	0,258	72,772	19,327	15,553	-12,015	10,523	20,119	20,248	20,491	19,839	72,074	56,924	68,570

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
94,333	55,261	0,457	0,452	7226,398	7440,480	141,306	6,829	509,967	7,759	10,508	4,185	2017-09-14 10:14
94,500	55,255	0,457	0,451	7191,359	7451,126	166,249	6,454	509,967	7,752	10,364	4,156	2017-09-14 10:14
94,667	55,244	0,457	0,451	7181,386	7465,601	162,722	6,506	509,967	7,911	10,342	4,152	2017-09-14 10:15
94,833	55,240	0,456	0,451	7175,809	7517,023	145,076	6,669	509,967	7,822	10,216	4,126	2017-09-14 10:15
95,000	55,236	0,456	0,451	7172,058	7387,650	134,819	6,870	509,967	7,701	10,443	4,172	2017-09-14 10:15
95,167	55,233	0,456	0,451	7166,394	7438,198	197,686	6,940	509,967	7,866	10,326	4,148	2017-09-14 10:15
95,334	55,222	0,457	0,452	7168,331	7524,489	253,923	6,681	509,967	7,826	10,315	4,146	2017-09-14 10:15
95,500	55,209	0,456	0,451	7156,895	7504,135	267,529	6,432	509,967	7,701	9,882	4,058	2017-09-14 10:15
95,667	55,190	0,457	0,451	7168,975	7535,212	201,702	6,507	509,967	7,526	10,529	4,189	2017-09-14 10:16
95,834	55,172	0,457	0,451	7179,408	7485,229	185,372	6,627	509,825	7,705	10,080	4,099	2017-09-14 10:16
96,000	55,155	0,456	0,451	7209,628	7435,981	172,121	6,970	509,967	7,742	10,207	4,125	2017-09-14 10:16
96,167	55,147	0,457	0,451	7218,397	7370,953	168,924	6,914	509,967	7,694	10,481	4,179	2017-09-14 10:16
96,334	55,139	0,457	0,452	7216,517	7364,173	204,148	7,006	509,967	7,676	10,196	4,122	2017-09-14 10:16
96,500	55,131	0,457	0,452	7198,919	7405,646	189,531	6,801	509,967	7,688	10,413	4,166	2017-09-14 10:16
96,667	55,122	0,457	0,452	7178,100	7333,752	199,169	6,881	509,967	7,563	10,276	4,138	2017-09-14 10:17
96,834	55,115	0,457	0,451	7150,355	7336,148	183,854	7,146	513,618	7,648	9,895	4,061	2017-09-14 10:17
97,000	55,101	0,390	0,452	7139,901	6331,769	159,130	7,469	509,825	7,630	10,208	4,125	2017-09-14 10:17
97,167	55,074	0,279	0,449	6850,344	4539,209	179,424	7,495	509,825	7,519	10,385	4,160	2017-09-14 10:17
97,334	55,028	0,279	0,401	5681,061	4560,783	217,619	7,053	509,825	7,587	10,163	4,116	2017-09-14 10:17
97,500	54,985	0,285	0,400	5448,581	4731,533	222,591	6,513	509,825	7,753	10,148	4,113	2017-09-14 10:17
97,667	54,955	0,390	0,400	5329,121	6824,153	210,270	6,005	509,825	7,584	10,102	4,103	2017-09-14 10:18
97,833	54,931	0,392	0,400	5657,100	7141,802	238,789	5,771	509,825	7,539	10,205	4,124	2017-09-14 10:18
98,000	54,904	0,391	0,400	5938,333	7216,116	217,205	5,859	509,825	7,534	9,872	4,056	2017-09-14 10:18
98,167	54,884	0,391	0,400	6118,587	7147,287	244,851	5,989	513,945	7,553	10,125	4,108	2017-09-14 10:18
98,333	54,862	0,398	0,399	6241,269	7183,459	275,013	6,111	509,825	7,719	10,486	4,181	2017-09-14 10:18
98,500	54,854	0,411	0,400	6345,609	7331,143	243,423	5,927	509,825	7,668	10,448	4,173	2017-09-14 10:18
98,667	54,848	0,411	0,400	6435,466	7118,887	220,923	5,932	509,825	7,593	9,897	4,061	2017-09-14 10:19
98,833	54,842	0,411	0,400	6498,125	7074,809	217,209	6,341	509,825	7,437	10,376	4,159	2017-09-14 10:19
99,000	54,838	0,411	0,400	6538,513	6947,571	152,848	6,840	509,825	7,435	10,016	4,086	2017-09-14 10:19
99,167	54,826	0,411	0,400	6541,828	6941,113	128,089	7,184	512,727	7,489	10,392	4,162	2017-09-14 10:19
99,333	54,813	0,390	0,400	6530,446	6610,833	137,321	7,510	509,825	7,305	10,085	4,100	2017-09-14 10:19
99,500	54,790	0,381	0,400	6479,717	6480,282	113,208	7,749	509,825	7,338	9,878	4,057	2017-09-14 10:19
99,667	54,766	0,381	0,400	6433,311	6457,185	106,391	7,695	514,127	7,500	10,115	4,106	2017-09-14 10:20
99,833	54,747	0,380	0,400	6388,863	6471,471	145,381	7,336	509,825	7,480	10,105	4,104	2017-09-14 10:20
100,000	54,719	0,380	0,400	6386,390	6518,546	184,476	7,076	509,825	7,371	10,265	4,136	2017-09-14 10:20
100,167	54,699	0,379	0,400	6389,997	6538,307	184,069	6,622	509,825	7,476	10,439	4,171	2017-09-14 10:20
100,333	54,668	0,379	0,399	6377,633	6572,053	179,664	6,424	513,852	7,398	10,136	4,110	2017-09-14 10:20
100,500	54,645	0,387	0,400	6378,067	6720,238	210,065	6,392	509,731	7,436	10,332	4,150	2017-09-14 10:20

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
100,667	0,222	0,471	0,519	0,178	0,251	72,719	19,326	27,108	-12,030	23,636	20,104	20,249	20,490	19,831	72,194	56,877	68,569
100,833	0,219	0,492	0,519	0,178	0,256	72,651	19,146	18,232	-13,716	26,989	20,104	20,240	20,470	19,825	72,246	56,850	68,670
101,000	0,219	0,507	0,519	0,183	0,260	72,649	19,325	13,581	-15,423	20,618	20,141	20,260	20,504	19,853	72,349	56,912	68,760
101,167	0,217	0,519	0,519	0,181	0,259	72,561	19,297	19,530	-12,862	10,469	20,117	20,231	20,494	19,836	72,222	56,984	68,821
101,333	0,217	0,527	0,519	0,187	0,249	72,594	19,357	27,124	-11,187	18,374	20,197	20,309	20,554	19,904	72,427	57,056	68,884
101,500	0,221	0,515	0,519	0,186	0,252	72,430	19,345	27,988	-12,832	22,077	20,098	20,222	20,471	19,820	72,333	57,080	68,960
101,667	0,219	0,485	0,519	0,184	0,253	72,414	19,345	25,522	-13,741	29,691	20,109	20,236	20,487	19,831	72,126	57,107	68,997
101,834	0,219	0,465	0,519	0,187	0,253	72,357	19,341	16,692	-14,834	24,947	20,123	20,240	20,498	19,841	72,468	57,131	69,004
102,000	0,224	0,461	0,519	0,184	0,252	72,257	19,331	15,256	-13,772	14,988	20,120	20,235	20,488	19,836	72,388	57,158	69,039
102,167	0,229	0,469	0,519	0,182	0,270	72,159	19,346	21,250	-12,110	19,567	20,108	20,222	20,475	19,821	72,230	57,167	69,032
102,334	0,230	0,468	0,519	0,184	0,255	72,069	19,353	16,181	-14,208	26,033	20,117	20,228	20,484	19,823	72,337	57,175	69,035
102,500	0,224	0,472	0,519	0,182	0,256	71,991	19,358	12,425	-14,772	16,796	20,116	20,260	20,503	19,844	72,273	57,186	69,070
102,667	0,223	0,466	0,519	0,183	0,261	71,961	19,332	16,397	-12,465	9,587	20,121	20,256	20,484	19,840	72,160	57,182	69,076
102,834	0,226	0,439	0,519	0,181	0,261	71,841	19,324	26,029	-11,800	19,234	20,112	20,237	20,482	19,824	72,199	57,167	69,068
103,000	0,234	0,428	0,519	0,181	0,263	71,836	19,344	25,876	-12,270	27,909	20,123	20,236	20,480	19,833	71,923	57,164	69,057
103,167	0,242	0,433	0,519	0,185	0,259	71,740	19,314	15,636	-14,851	19,698	20,122	20,232	20,474	19,821	72,095	57,147	69,000
103,334	0,243	0,451	0,519	0,177	0,253	71,674	19,371	13,639	-15,224	16,039	20,104	20,232	20,491	19,831	72,086	57,138	68,981
103,500	0,238	0,459	0,519	0,184	0,257	71,569	19,332	13,605	-15,270	19,261	20,117	20,215	20,465	19,824	72,100	57,136	68,945
103,667	0,237	0,454	0,519	0,182	0,256	71,469	19,305	10,709	-14,349	19,817	20,100	20,230	20,484	19,829	72,056	57,135	68,919
103,834	0,242	0,445	0,519	0,183	0,253	71,350	19,331	13,781	-13,222	9,939	20,123	20,219	20,484	19,829	71,872	57,142	68,891
104,000	0,242	0,438	0,519	0,177	0,253	71,317	19,324	23,510	-10,918	17,172	20,113	20,253	20,491	19,835	71,939	57,147	68,877
104,167	0,239	0,422	0,519	0,183	0,255	71,254	19,323	24,564	-13,006	31,909	20,124	20,234	20,479	19,836	71,750	57,155	68,890
104,334	0,236	0,410	0,528	0,182	0,256	71,186	19,331	18,613	-15,882	6,009	20,108	20,230	20,471	19,825	71,799	57,155	68,859
104,500	0,230	0,412	0,519	0,177	0,257	71,083	19,331	43,656	-13,580	26,151	20,124	20,234	20,479	19,831	71,846	57,150	68,830
104,667	0,225	0,417	0,519	0,179	0,256	71,090	19,254	14,934	-22,078	19,716	20,119	20,240	20,496	19,832	71,605	57,155	68,805
104,833	0,230	0,425	0,519	0,181	0,260	71,062	19,349	10,452	-14,556	14,971	20,127	20,232	20,505	19,835	71,829	57,148	68,767
105,000	0,227	0,438	0,518	0,180	0,257	70,999	19,268	12,764	-14,684	21,967	20,106	20,236	20,484	19,829	71,723	57,152	68,745
105,167	0,223	0,448	0,518	0,180	0,251	70,944	19,335	13,818	-13,947	14,894	20,132	20,274	20,511	19,854	71,692	57,154	68,670
105,333	0,222	0,439	0,518	0,182	0,258	70,843	19,267	16,235	-12,331	10,886	20,129	20,239	20,487	19,841	71,532	57,159	68,664
105,500	0,225	0,441	0,518	0,180	0,251	70,804	19,280	26,959	-10,669	19,041	20,119	20,230	20,478	19,828	71,696	57,162	68,613
105,667	0,223	0,446	0,518	0,180	0,257	70,719	19,349	29,476	-12,165	21,562	20,110	20,245	20,483	19,833	71,757	57,172	68,628
105,833	0,230	0,431	0,527	0,180	0,249	70,617	19,314	25,531	-13,071	27,546	20,107	20,239	20,480	19,832	71,597	57,183	68,610
106,000	0,227	0,415	0,518	0,175	0,244	70,536	19,332	21,724	-13,226	21,821	20,142	20,253	20,494	19,840	71,500	57,194	68,547
106,167	0,225	0,412	0,519	0,179	0,261	70,491	19,324	22,398	-11,946	15,952	20,121	20,234	20,478	19,831	71,516	57,195	68,573
106,333	0,228	0,418	0,518	0,179	0,263	70,445	19,341	22,383	-14,461	31,264	20,115	20,235	20,476	19,829	71,541	57,217	68,583
106,500	0,227	0,433	0,518	0,178	0,244	70,421	19,456	9,505	-13,909	20,734	20,125	20,243	20,480	19,836	71,578	57,213	68,605
106,667	0,227	0,445	0,518	0,173	0,254	70,365	19,455	17,945	-12,688	15,060	20,127	20,238	20,478	19,836	71,516	57,221	68,590
106,833	0,219	0,456	0,518	0,175	0,254	70,310	19,434	18,240	-13,901	26,390	20,129	20,231	20,479	19,833	71,536	57,224	68,569

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
100,667	54,625	0,404	0,400	6386,061	7085,747	145,826	6,781	509,731	7,122	10,044	4,092	2017-09-14 10:21
100,833	54,616	0,404	0,400	6438,399	7114,624	127,022	7,296	509,731	7,110	10,235	4,130	2017-09-14 10:21
101,000	54,624	0,404	0,400	6480,596	7136,923	128,732	7,670	509,731	7,310	10,390	4,161	2017-09-14 10:21
101,167	54,639	0,405	0,400	6501,641	7057,408	113,204	7,985	509,732	7,247	10,343	4,152	2017-09-14 10:21
101,333	54,656	0,405	0,400	6522,312	7118,867	114,254	8,171	509,825	7,489	9,943	4,071	2017-09-14 10:21
101,500	54,649	0,404	0,400	6551,111	7052,358	141,903	7,869	509,731	7,430	10,070	4,097	2017-09-14 10:21
101,667	54,641	0,404	0,399	6569,003	6942,252	124,910	7,131	509,731	7,341	10,129	4,109	2017-09-14 10:22
101,834	54,636	0,404	0,399	6572,997	7097,661	125,987	6,637	509,731	7,499	10,109	4,105	2017-09-14 10:22
102,000	54,620	0,404	0,400	6603,887	7052,067	154,773	6,514	509,731	7,373	10,079	4,099	2017-09-14 10:22
102,167	54,594	0,404	0,400	6618,133	6968,548	190,254	6,721	509,731	7,260	10,786	4,240	2017-09-14 10:22
102,334	54,569	0,404	0,400	6626,910	7014,113	193,106	6,701	509,731	7,349	10,215	4,126	2017-09-14 10:22
102,500	54,553	0,404	0,400	6653,165	6981,525	155,336	6,808	509,731	7,288	10,240	4,131	2017-09-14 10:22
102,667	54,552	0,404	0,400	6652,436	6926,024	154,689	6,641	509,731	7,319	10,450	4,173	2017-09-14 10:23
102,834	54,570	0,404	0,400	6638,664	6958,065	171,912	5,969	509,731	7,232	10,459	4,175	2017-09-14 10:23
103,000	54,594	0,405	0,400	6627,179	6836,818	219,380	5,690	509,731	7,221	10,522	4,188	2017-09-14 10:23
103,167	54,619	0,404	0,400	6593,209	6919,703	273,151	5,817	509,731	7,380	10,344	4,152	2017-09-14 10:23
103,334	54,636	0,404	0,399	6561,585	6918,307	279,467	6,273	509,731	7,095	10,130	4,109	2017-09-14 10:23
103,500	54,643	0,404	0,400	6551,534	6918,140	245,074	6,479	509,731	7,371	10,270	4,137	2017-09-14 10:23
103,667	54,648	0,404	0,400	6536,294	6906,178	240,074	6,355	509,731	7,262	10,232	4,129	2017-09-14 10:24
103,834	54,647	0,405	0,400	6531,789	6823,362	271,900	6,113	509,731	7,339	10,111	4,105	2017-09-14 10:24
104,000	54,643	0,404	0,400	6527,833	6847,243	271,171	5,959	509,731	7,097	10,124	4,108	2017-09-14 10:24
104,167	54,643	0,404	0,400	6525,813	6749,506	252,999	5,558	509,731	7,302	10,208	4,125	2017-09-14 10:24
104,334	54,652	0,404	0,399	6499,423	6771,286	231,656	5,260	511,559	7,280	10,233	4,130	2017-09-14 10:24
104,500	54,672	0,404	0,399	6480,279	6797,696	197,429	5,289	509,731	7,081	10,276	4,138	2017-09-14 10:24
104,667	54,702	0,404	0,400	6457,670	6684,151	161,409	5,423	509,731	7,156	10,220	4,127	2017-09-14 10:25
104,833	54,728	0,404	0,400	6429,413	6797,463	193,923	5,621	509,731	7,231	10,413	4,166	2017-09-14 10:25
105,000	54,755	0,404	0,399	6402,767	6741,360	175,606	5,961	509,638	7,189	10,291	4,141	2017-09-14 10:25
105,167	54,781	0,404	0,400	6361,858	6720,563	151,257	6,208	509,638	7,207	10,060	4,095	2017-09-14 10:25
105,333	54,795	0,404	0,399	6346,573	6639,790	145,538	5,974	509,638	7,297	10,316	4,147	2017-09-14 10:25
105,500	54,805	0,404	0,400	6327,419	6722,445	162,027	6,013	509,638	7,212	10,046	4,092	2017-09-14 10:25
105,667	54,807	0,404	0,399	6324,345	6745,879	151,795	6,155	509,638	7,211	10,268	4,137	2017-09-14 10:26
105,833	54,809	0,404	0,399	6315,705	6662,526	193,489	5,784	511,230	7,183	9,966	4,076	2017-09-14 10:26
106,000	54,814	0,404	0,400	6293,785	6616,323	174,643	5,371	509,638	7,016	9,765	4,034	2017-09-14 10:26
106,167	54,815	0,404	0,400	6304,291	6627,569	163,205	5,308	509,731	7,156	10,450	4,173	2017-09-14 10:26
106,333	54,830	0,404	0,400	6302,080	6628,068	181,328	5,451	509,638	7,177	10,514	4,186	2017-09-14 10:26
106,500	54,850	0,404	0,400	6303,073	6641,066	179,664	5,824	509,638	7,101	9,773	4,036	2017-09-14 10:26
106,667	54,874	0,404	0,400	6286,167	6615,687	176,530	6,129	509,638	6,902	10,168	4,117	2017-09-14 10:27
106,833	54,897	0,404	0,399	6255,501	6621,425	124,319	6,402	509,638	6,982	10,177	4,118	2017-09-14 10:27

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
107,000	0,217	0,469	0,518	0,176	0,252	70,230	19,404	15,636	-14,466	19,660	20,135	20,252	20,500	19,846	71,554	57,236	68,571
107,167	0,216	0,473	0,518	0,177	0,258	70,130	19,324	18,257	-13,186	16,018	20,120	20,238	20,482	19,833	71,432	57,234	68,543
107,333	0,216	0,469	0,518	0,176	0,254	70,031	19,333	20,896	-13,414	20,192	20,121	20,238	20,484	19,835	71,489	57,250	68,525
107,500	0,219	0,456	0,518	0,177	0,254	69,991	19,370	22,728	-12,533	19,506	20,136	20,248	20,499	19,844	71,455	57,250	68,508
107,667	0,228	0,426	0,518	0,179	0,251	69,905	19,345	19,481	-13,902	28,083	20,129	20,244	20,487	19,837	71,270	57,273	68,504
107,833	0,233	0,399	0,519	0,176	0,266	69,875	19,361	16,231	-14,446	19,259	20,128	20,239	20,494	19,839	71,273	57,284	68,443
108,000	0,230	0,391	0,518	0,177	0,256	69,841	19,349	16,207	-14,635	20,248	20,112	20,226	20,483	19,832	71,248	57,288	68,414
108,167	0,230	0,390	0,518	0,175	0,262	69,822	19,375	14,579	-14,984	13,844	20,136	20,239	20,486	19,837	71,281	57,296	68,389
108,333	0,229	0,396	0,518	0,170	0,251	69,741	19,373	20,213	-12,228	13,685	20,137	20,236	20,477	19,837	71,155	57,307	68,353
108,500	0,224	0,407	0,518	0,174	0,253	69,710	19,298	27,262	-12,374	20,896	20,139	20,244	20,496	19,846	71,103	57,311	68,343
108,667	0,222	0,421	0,518	0,174	0,257	69,625	19,324	20,779	-15,689	29,586	20,116	20,240	20,496	19,837	71,083	57,323	68,322
108,834	0,227	0,422	0,518	0,174	0,255	69,583	19,319	21,727	-10,079	12,020	20,145	20,259	20,482	19,840	71,138	57,318	68,300
109,000	0,229	0,414	0,518	0,176	0,256	69,519	19,407	25,005	-12,459	26,407	20,132	20,239	20,487	19,837	71,013	57,308	68,248
109,167	0,233	0,402	0,518	0,176	0,257	69,421	19,349	18,812	-14,750	23,381	20,136	20,259	20,504	19,850	71,064	57,327	68,179
109,334	0,231	0,394	0,518	0,173	0,258	69,363	19,338	13,691	-15,299	16,793	20,142	20,249	20,496	19,843	71,004	57,318	68,176
109,500	0,238	0,389	0,518	0,178	0,257	69,357	19,382	13,017	-14,269	14,633	20,155	20,263	20,524	19,864	70,997	57,335	68,140
109,667	0,243	0,387	0,518	0,179	0,249	69,258	19,367	17,264	-11,448	16,301	20,129	20,249	20,491	19,833	70,746	57,330	68,143
109,834	0,245	0,388	0,518	0,176	0,253	69,199	19,408	16,648	-13,618	22,757	20,141	20,244	20,498	19,848	70,672	57,342	68,116
110,000	0,250	0,384	0,518	0,171	0,257	69,176	19,378	12,061	-14,058	16,649	20,128	20,240	20,487	19,835	70,644	57,348	68,070
110,167	0,246	0,380	0,518	0,173	0,261	69,168	19,409	11,244	-15,535	16,790	20,131	20,240	20,485	19,844	70,617	57,355	68,059
110,334	0,244	0,390	0,518	0,171	0,251	69,094	19,417	11,043	-14,652	19,589	20,128	20,257	20,494	19,845	70,667	57,373	68,019
110,500	0,249	0,404	0,518	0,176	0,254	69,059	19,369	10,116	-14,324	16,095	20,144	20,248	20,494	19,848	70,753	57,365	67,947
110,667	0,248	0,412	0,518	0,174	0,262	69,028	19,402	8,087	-14,628	18,828	20,132	20,244	20,507	19,849	70,738	57,360	67,897
110,834	0,247	0,412	0,518	0,177	0,261	68,908	19,358	12,608	-11,865	8,061	20,125	20,240	20,491	19,837	70,556	57,367	67,843
111,000	0,240	0,417	0,518	0,171	0,256	68,908	19,475	25,270	-12,282	18,775	20,142	20,257	20,495	19,845	70,594	57,373	67,838
111,167	0,237	0,430	0,518	0,173	0,257	68,824	19,527	18,635	-14,191	21,578	20,136	20,246	20,491	19,843	70,496	57,359	67,830
111,334	0,235	0,437	0,518	0,172	0,256	68,744	19,450	19,654	-11,860	13,466	20,120	20,244	20,491	19,836	70,372	57,370	67,795
111,500	0,229	0,427	0,518	0,171	0,264	68,659	19,422	25,030	-12,688	25,589	20,125	20,240	20,484	19,836	70,512	57,378	67,768
111,667	0,224	0,405	0,518	0,171	0,257	68,627	19,428	16,943	-15,615	27,138	20,119	20,230	20,488	19,839	70,461	57,385	67,737
111,833	0,229	0,390	0,518	0,172	0,266	68,552	19,400	13,487	-13,759	21,294	20,132	20,243	20,479	19,837	70,381	57,385	67,715
112,000	0,239	0,395	0,518	0,171	0,254	68,527	19,403	12,633	-14,850	18,911	20,119	20,242	20,488	19,836	70,370	57,395	67,698
112,167	0,235	0,397	0,518	0,173	0,253	68,451	19,404	10,099	-15,190	15,884	20,129	20,247	20,487	19,839	70,295	57,391	67,673
112,333	0,236	0,401	0,518	0,170	0,251	68,413	19,388	11,340	-13,841	14,740	20,129	20,255	20,488	19,840	70,277	57,394	67,644
112,500	0,229	0,410	0,518	0,170	0,249	68,375	19,404	16,595	-12,471	9,608	20,119	20,231	20,486	19,839	70,122	57,405	67,613
112,667	0,223	0,422	0,518	0,168	0,258	68,340	19,415	26,132	-13,266	21,225	20,136	20,236	20,481	19,841	70,240	57,383	67,583
112,833	0,226	0,428	0,518	0,171	0,259	68,288	19,400	22,491	-11,528	25,881	20,136	20,252	20,478	19,841	70,221	57,385	67,552
113,000	0,232	0,425	0,518	0,173	0,269	68,210	19,398	16,282	-13,989	23,016	20,125	20,248	20,498	19,840	70,219	57,381	67,516
113,167	0,247	0,432	0,518	0,169	0,256	68,139	19,390	18,333	-13,157	15,982	20,131	20,251	20,491	19,840	70,120	57,381	67,506

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
107,000	54,920	0,404	0,400	6252,549	6618,202	113,145	6,737	509,638	7,020	10,069	4,097	2017-09-14 10:27
107,167	54,941	0,404	0,399	6223,803	6565,707	108,159	6,829	509,638	7,087	10,311	4,145	2017-09-14 10:27
107,333	54,957	0,404	0,400	6212,917	6588,074	110,338	6,723	509,637	7,043	10,150	4,113	2017-09-14 10:27
107,500	54,975	0,404	0,399	6193,313	6574,816	128,461	6,388	509,638	7,094	10,179	4,119	2017-09-14 10:27
107,667	54,979	0,405	0,400	6195,121	6481,254	180,272	5,638	509,638	7,169	10,022	4,087	2017-09-14 10:28
107,833	54,981	0,404	0,399	6158,635	6468,956	213,376	4,967	509,731	7,053	10,633	4,210	2017-09-14 10:28
108,000	54,985	0,404	0,400	6146,120	6457,200	197,919	4,771	509,638	7,096	10,228	4,129	2017-09-14 10:28
108,167	54,996	0,404	0,400	6133,587	6466,732	196,223	4,750	509,638	6,981	10,499	4,183	2017-09-14 10:28
108,333	55,011	0,404	0,399	6101,776	6405,385	186,887	4,896	509,638	6,810	10,052	4,093	2017-09-14 10:28
108,500	55,026	0,404	0,400	6099,838	6383,819	156,597	5,185	509,638	6,963	10,122	4,107	2017-09-14 10:28
108,667	55,043	0,404	0,400	6086,255	6368,694	144,009	5,519	509,600	6,951	10,262	4,136	2017-09-14 10:29
108,834	55,064	0,405	0,400	6063,275	6399,393	175,220	5,557	509,638	6,965	10,197	4,123	2017-09-14 10:29
109,000	55,083	0,404	0,400	6027,048	6333,442	186,588	5,345	509,638	7,056	10,249	4,133	2017-09-14 10:29
109,167	55,097	0,404	0,399	5984,648	6347,414	211,712	5,056	509,638	7,045	10,279	4,139	2017-09-14 10:29
109,334	55,110	0,404	0,400	5986,365	6331,129	204,569	4,852	509,638	6,931	10,313	4,146	2017-09-14 10:29
109,500	55,122	0,404	0,400	5960,691	6319,257	244,838	4,734	509,638	7,109	10,279	4,139	2017-09-14 10:29
109,667	55,127	0,404	0,399	5955,349	6208,210	278,377	4,670	509,638	7,159	9,949	4,072	2017-09-14 10:30
109,834	55,134	0,404	0,399	5936,506	6170,463	291,826	4,707	509,638	7,058	10,139	4,111	2017-09-14 10:30
110,000	55,139	0,404	0,399	5915,868	6151,417	317,819	4,598	509,638	6,852	10,278	4,139	2017-09-14 10:30
110,167	55,147	0,404	0,399	5907,829	6137,360	292,889	4,498	509,638	6,928	10,454	4,174	2017-09-14 10:30
110,334	55,155	0,404	0,400	5886,890	6150,767	280,948	4,750	509,638	6,821	10,051	4,093	2017-09-14 10:30
110,500	55,169	0,404	0,399	5843,959	6190,343	312,589	5,108	509,638	7,039	10,151	4,113	2017-09-14 10:30
110,667	55,185	0,404	0,400	5825,120	6186,635	309,886	5,293	509,638	6,940	10,462	4,176	2017-09-14 10:31
110,834	55,200	0,404	0,400	5794,513	6103,024	299,008	5,290	509,638	7,061	10,443	4,172	2017-09-14 10:31
111,000	55,213	0,404	0,400	5780,958	6119,540	255,383	5,427	509,638	6,835	10,225	4,128	2017-09-14 10:31
111,167	55,230	0,404	0,400	5767,750	6075,914	240,067	5,757	509,638	6,928	10,293	4,142	2017-09-14 10:31
111,334	55,240	0,404	0,400	5748,283	6014,442	225,176	5,931	509,638	6,869	10,251	4,133	2017-09-14 10:31
111,500	55,240	0,404	0,399	5730,156	6069,688	191,119	5,675	509,544	6,858	10,579	4,199	2017-09-14 10:31
111,667	55,232	0,404	0,399	5715,469	6043,195	157,271	5,119	509,638	6,829	10,280	4,139	2017-09-14 10:32
111,833	55,224	0,404	0,399	5715,293	6006,108	190,657	4,744	509,638	6,864	10,645	4,212	2017-09-14 10:32
112,000	55,222	0,404	0,399	5707,315	6001,943	248,475	4,866	509,638	6,828	10,172	4,117	2017-09-14 10:32
112,167	55,221	0,404	0,399	5694,109	5966,135	227,698	4,937	509,638	6,913	10,135	4,110	2017-09-14 10:32
112,333	55,230	0,404	0,399	5675,902	5955,570	234,803	5,030	509,544	6,798	10,033	4,089	2017-09-14 10:32
112,500	55,234	0,404	0,399	5659,296	5880,085	187,870	5,255	509,638	6,789	9,959	4,074	2017-09-14 10:32
112,667	55,247	0,404	0,399	5640,194	5943,422	154,491	5,559	509,637	6,731	10,333	4,150	2017-09-14 10:33
112,833	55,256	0,404	0,399	5616,033	5937,369	169,817	5,690	509,544	6,827	10,346	4,153	2017-09-14 10:33
113,000	55,268	0,404	0,399	5597,729	5937,129	209,874	5,637	509,544	6,915	10,756	4,234	2017-09-14 10:33
113,167	55,275	0,404	0,400	5597,981	5894,261	303,250	5,790	509,638	6,776	10,247	4,133	2017-09-14 10:33

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
113,333	0,252	0,442	0,518	0,167	0,253	68,080	19,424	22,018	-12,168	17,483	20,145	20,247	20,498	19,843	69,907	57,386	67,489
113,500	0,237	0,449	0,517	0,171	0,255	68,063	19,427	28,497	-9,848	19,224	20,139	20,270	20,496	19,849	70,087	57,381	67,479
113,667	0,236	0,455	0,518	0,171	0,254	68,050	19,488	26,988	-11,688	20,059	20,140	20,252	20,486	19,843	70,019	57,389	67,471
113,833	0,247	0,443	0,518	0,174	0,255	67,980	19,424	29,857	-10,610	22,711	20,123	20,239	20,487	19,840	70,004	57,390	67,474
114,000	0,243	0,430	0,518	0,168	0,253	67,867	19,379	30,204	-13,073	22,814	20,150	20,244	20,492	19,843	70,086	57,391	67,416
114,167	0,233	0,419	0,518	0,168	0,254	67,852	19,381	21,733	-15,378	29,220	20,132	20,255	20,481	19,844	70,075	57,381	67,392
114,333	0,232	0,412	0,518	0,172	0,266	67,860	19,422	14,971	-15,100	20,398	20,132	20,240	20,484	19,840	69,903	57,365	67,380
114,500	0,236	0,407	0,518	0,170	0,257	67,766	19,413	14,331	-14,504	20,695	20,136	20,253	20,495	19,846	70,091	57,351	67,359
114,667	0,238	0,405	0,518	0,166	0,265	67,688	19,417	10,967	-15,399	20,366	20,150	20,252	20,491	19,845	69,927	57,332	67,328
114,833	0,240	0,403	0,518	0,171	0,246	67,603	19,429	12,107	-14,493	14,780	20,125	20,240	20,492	19,846	69,810	57,323	67,335
115,000	0,244	0,400	0,518	0,167	0,255	67,535	19,429	14,407	-14,120	10,030	20,148	20,260	20,494	19,844	69,806	57,312	67,307
115,167	0,235	0,407	0,518	0,168	0,265	67,541	19,432	20,026	-14,166	22,668	20,137	20,251	20,495	19,848	69,839	57,308	67,297
115,334	0,236	0,426	0,518	0,165	0,254	67,479	19,399	19,066	-12,466	15,262	20,137	20,256	20,495	19,848	69,811	57,303	67,249
115,500	0,235	0,438	0,518	0,169	0,257	67,458	19,420	19,454	-13,833	24,161	20,132	20,256	20,502	19,853	69,771	57,299	67,208
115,667	0,234	0,434	0,518	0,164	0,248	67,405	19,314	20,245	-12,609	15,003	20,144	20,258	20,499	19,856	69,888	57,295	67,164
115,834	0,246	0,416	0,518	0,169	0,253	67,351	19,338	26,617	-11,866	21,427	20,149	20,244	20,507	19,853	69,843	57,283	67,118
116,000	0,253	0,397	0,518	0,167	0,250	67,339	19,391	21,784	-13,147	29,546	20,144	20,256	20,502	19,846	69,504	57,257	67,117
116,167	0,247	0,388	0,518	0,163	0,255	67,279	19,419	15,085	-14,905	20,422	20,140	20,263	20,489	19,846	69,641	57,236	67,099
116,334	0,240	0,393	0,518	0,163	0,249	67,254	19,420	17,718	-12,613	11,410	20,144	20,259	20,500	19,845	69,668	57,202	67,097
116,500	0,232	0,399	0,518	0,166	0,240	67,203	19,372	21,934	-14,065	30,213	20,133	20,260	20,495	19,848	69,644	57,185	67,074
116,667	0,229	0,402	0,518	0,170	0,254	67,126	19,374	13,641	-14,482	22,551	20,149	20,243	20,500	19,846	69,705	57,158	67,021
116,834	0,232	0,404	0,518	0,170	0,260	67,083	19,356	11,616	-15,128	16,281	20,141	20,264	20,499	19,849	69,676	57,140	66,990
117,000	0,230	0,402	0,518	0,168	0,269	67,066	19,389	11,440	-14,982	16,091	20,158	20,272	20,506	19,849	69,544	57,124	66,971
117,167	0,234	0,393	0,518	0,172	0,254	67,039	19,427	13,615	-14,086	13,170	20,154	20,260	20,510	19,854	69,613	57,108	66,966
117,334	0,230	0,381	0,518	0,169	0,256	67,021	19,424	15,590	-15,098	23,169	20,149	20,271	20,502	19,853	69,602	57,097	66,962
117,500	0,226	0,388	0,518	0,166	0,249	66,982	19,428	12,617	-15,428	18,136	20,160	20,268	20,508	19,856	69,575	57,087	66,929
117,667	0,233	0,405	0,518	0,170	0,246	66,886	19,436	17,130	-12,699	7,787	20,149	20,263	20,504	19,853	69,519	57,078	66,917
117,834	0,235	0,415	0,518	0,164	0,246	66,819	19,419	19,505	-13,843	28,139	20,149	20,272	20,506	19,854	69,480	57,066	66,898
118,000	0,231	0,412	0,518	0,168	0,247	66,813	19,419	12,173	-15,570	17,696	20,149	20,273	20,511	19,858	69,338	57,044	66,890
118,167	0,229	0,404	0,518	0,161	0,257	66,740	19,474	12,351	-14,039	13,561	20,154	20,265	20,515	19,858	69,361	57,025	66,869
118,333	0,230	0,403	0,518	0,165	0,254	66,680	19,462	11,885	-15,120	18,440	20,149	20,265	20,511	19,856	69,352	57,002	66,830
118,500	0,232	0,405	0,518	0,165	0,242	66,697	19,573	10,045	-14,588	15,413	20,154	20,265	20,498	19,853	69,282	56,983	66,792
118,667	0,233	0,405	0,518	0,163	0,258	66,652	19,496	16,272	-11,306	9,107	20,153	20,255	20,499	19,849	69,387	56,968	66,757
118,833	0,236	0,406	0,517	0,169	0,261	66,668	19,474	24,170	-12,259	23,429	20,145	20,271	20,506	19,857	69,337	56,962	66,745
119,000	0,232	0,413	0,518	0,163	0,248	66,663	19,450	18,470	-14,339	24,834	20,160	20,281	20,514	19,860	69,346	56,958	66,724
119,167	0,231	0,421	0,518	0,162	0,261	66,582	19,472	17,745	-12,852	21,334	20,156	20,273	20,508	19,853	69,310	56,951	66,727
119,333	0,229	0,427	0,517	0,166	0,260	66,559	19,448	15,887	-13,875	10,551	20,143	20,264	20,512	19,856	69,162	56,942	66,706
119,500	0,229	0,422	0,518	0,166	0,257	66,523	19,450	21,300	-13,642	19,500	20,156	20,281	20,500	19,850	69,146	56,933	66,688

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
113,333	55,263	0,404	0,399	5593,176	5789,962	334,197	6,042	509,544	6,681	10,129	4,109	2017-09-14 10:33
113,500	55,240	0,404	0,399	5595,785	5873,321	241,360	6,234	509,474	6,839	10,184	4,120	2017-09-14 10:33
113,667	55,212	0,404	0,399	5600,249	5841,059	235,019	6,382	509,544	6,847	10,170	4,117	2017-09-14 10:34
113,833	55,194	0,404	0,399	5614,236	5832,090	300,311	6,085	509,544	6,941	10,209	4,125	2017-09-14 10:34
114,000	55,181	0,404	0,399	5590,900	5870,075	274,850	5,738	509,544	6,718	10,100	4,103	2017-09-14 10:34
114,167	55,169	0,404	0,399	5588,326	5873,987	211,959	5,481	509,544	6,717	10,173	4,118	2017-09-14 10:34
114,333	55,168	0,405	0,399	5583,376	5806,040	207,956	5,301	509,544	6,871	10,640	4,211	2017-09-14 10:34
114,500	55,172	0,404	0,399	5567,554	5892,217	230,992	5,165	509,544	6,796	10,262	4,136	2017-09-14 10:34
114,667	55,176	0,404	0,399	5548,349	5823,415	242,524	5,127	509,544	6,635	10,600	4,203	2017-09-14 10:35
114,833	55,180	0,404	0,399	5552,221	5771,783	259,319	5,068	509,544	6,859	9,847	4,051	2017-09-14 10:35
115,000	55,166	0,404	0,398	5539,831	5778,132	285,440	4,988	509,544	6,669	10,184	4,120	2017-09-14 10:35
115,167	55,141	0,404	0,399	5555,436	5794,134	228,313	5,181	509,544	6,700	10,580	4,199	2017-09-14 10:35
115,334	55,105	0,404	0,399	5545,922	5778,372	231,044	5,651	509,544	6,605	10,168	4,117	2017-09-14 10:35
115,500	55,070	0,404	0,398	5541,209	5768,463	225,367	5,942	509,544	6,772	10,279	4,139	2017-09-14 10:35
115,667	55,039	0,404	0,399	5539,984	5824,295	222,848	5,848	509,544	6,568	9,917	4,066	2017-09-14 10:36
115,834	55,015	0,404	0,399	5527,788	5812,302	295,092	5,390	509,544	6,767	10,111	4,105	2017-09-14 10:36
116,000	54,993	0,404	0,399	5541,074	5658,875	339,444	4,936	509,544	6,666	9,999	4,082	2017-09-14 10:36
116,167	54,980	0,404	0,399	5536,902	5737,963	303,375	4,696	509,544	6,511	10,206	4,124	2017-09-14 10:36
116,334	54,972	0,404	0,398	5529,715	5759,016	259,250	4,827	509,544	6,500	9,973	4,077	2017-09-14 10:36
116,500	54,971	0,404	0,399	5527,416	5754,734	208,241	4,985	509,544	6,658	9,599	4,000	2017-09-14 10:36
116,667	54,968	0,404	0,398	5498,851	5798,197	186,161	5,050	509,544	6,804	10,163	4,116	2017-09-14 10:37
116,834	54,963	0,404	0,399	5491,501	5794,097	206,292	5,110	509,544	6,790	10,412	4,166	2017-09-14 10:37
117,000	54,947	0,404	0,399	5494,277	5741,989	194,955	5,058	509,544	6,705	10,747	4,232	2017-09-14 10:37
117,167	54,928	0,404	0,398	5494,621	5776,271	217,883	4,814	509,544	6,880	10,150	4,113	2017-09-14 10:37
117,334	54,901	0,403	0,398	5505,624	5774,210	192,894	4,522	509,544	6,758	10,256	4,134	2017-09-14 10:37
117,500	54,873	0,403	0,398	5504,060	5767,042	173,163	4,698	509,544	6,624	9,971	4,077	2017-09-14 10:37
117,667	54,856	0,403	0,398	5506,515	5744,643	213,012	5,135	509,544	6,786	9,849	4,052	2017-09-14 10:38
117,834	54,844	0,403	0,398	5499,602	5731,023	229,130	5,365	509,544	6,571	9,824	4,046	2017-09-14 10:38
118,000	54,839	0,403	0,399	5502,445	5678,311	204,218	5,303	509,544	6,716	9,883	4,059	2017-09-14 10:38
118,167	54,841	0,404	0,399	5493,400	5706,029	190,143	5,102	509,544	6,436	10,293	4,142	2017-09-14 10:38
118,333	54,841	0,404	0,399	5475,862	5707,353	195,254	5,069	509,544	6,616	10,156	4,114	2017-09-14 10:38
118,500	54,842	0,404	0,399	5462,316	5683,703	209,103	5,137	509,544	6,615	9,697	4,020	2017-09-14 10:38
118,667	54,835	0,404	0,399	5445,603	5738,848	211,886	5,117	509,544	6,502	10,325	4,148	2017-09-14 10:39
118,833	54,829	0,403	0,399	5441,718	5713,106	235,846	5,152	509,457	6,748	10,426	4,168	2017-09-14 10:39
119,000	54,815	0,404	0,399	5440,351	5727,202	207,154	5,325	509,544	6,525	9,917	4,066	2017-09-14 10:39
119,167	54,799	0,404	0,399	5447,776	5711,454	202,119	5,516	509,544	6,485	10,444	4,172	2017-09-14 10:39
119,333	54,774	0,403	0,398	5441,298	5643,275	190,848	5,676	509,450	6,636	10,381	4,159	2017-09-14 10:39
119,500	54,754	0,402	0,399	5449,964	5615,983	189,736	5,543	509,544	6,623	10,276	4,138	2017-09-14 10:39

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
119,667	0,234	0,416	0,517	0,170	0,263	66,488	19,433	19,143	-14,252	24,784	20,144	20,265	20,496	19,849	69,236	56,915	66,641
119,833	0,233	0,421	0,517	0,169	0,256	66,454	19,455	14,309	-14,441	21,951	20,158	20,267	20,504	19,854	69,313	56,905	66,626
120,000	0,232	0,425	0,517	0,168	0,258	66,429	19,458	9,682	-15,440	19,067	20,139	20,267	20,500	19,850	69,270	56,890	66,596
120,167	0,236	0,425	0,517	0,164	0,249	66,375	19,496	14,804	-13,291	15,383	20,169	20,279	20,506	19,864	69,151	56,861	66,553
120,333	0,237	0,420	0,517	0,165	0,255	66,357	19,452	18,549	-12,147	16,665	20,156	20,267	20,515	19,858	69,151	56,843	66,526
120,500	0,245	0,416	0,518	0,167	0,256	66,332	19,437	16,920	-15,455	24,493	20,156	20,264	20,512	19,856	69,094	56,821	66,521
120,667	0,242	0,410	0,517	0,167	0,254	66,308	19,442	15,590	-13,720	21,873	20,148	20,271	20,503	19,856	69,123	56,814	66,517
120,833	0,240	0,408	0,517	0,165	0,254	66,305	19,479	13,552	-14,147	21,482	20,150	20,277	20,500	19,854	69,182	56,799	66,510
121,000	0,242	0,409	0,517	0,167	0,251	66,298	19,462	12,266	-15,148	19,820	20,148	20,276	20,510	19,856	69,187	56,805	66,486
121,167	0,239	0,403	0,517	0,165	0,260	66,310	19,410	9,410	-14,549	18,506	20,149	20,278	20,503	19,856	69,047	56,815	66,477
121,333	0,238	0,386	0,517	0,168	0,261	66,285	19,420	11,043	-15,203	14,955	20,154	20,275	20,504	19,858	69,105	56,815	66,479
121,500	0,234	0,374	0,517	0,159	0,257	66,367	19,438	13,847	-13,143	20,293	20,162	20,259	20,499	19,857	68,926	56,823	66,502
121,667	0,233	0,386	0,517	0,166	0,255	66,390	19,435	8,693	-14,884	19,045	20,162	20,265	20,503	19,856	69,062	56,817	66,491
121,833	0,242	0,403	0,517	0,164	0,252	66,419	19,438	8,295	-15,245	16,396	20,154	20,267	20,508	19,858	69,041	56,827	66,475
122,000	0,241	0,418	0,517	0,163	0,259	66,349	19,450	9,482	-14,988	15,364	20,147	20,259	20,513	19,854	68,834	56,822	66,459
122,167	0,234	0,429	0,517	0,167	0,261	66,328	19,456	10,250	-13,793	12,452	20,164	20,277	20,507	19,861	69,043	56,814	66,424
122,334	0,228	0,427	0,517	0,164	0,249	66,296	19,455	11,297	-13,453	14,837	20,157	20,272	20,515	19,858	68,984	56,799	66,397
122,500	0,224	0,427	0,517	0,162	0,250	66,227	19,450	10,369	-12,909	20,009	20,139	20,272	20,504	19,858	68,968	56,795	66,354
122,667	0,230	0,431	0,517	0,165	0,259	66,128	19,443	9,993	-13,303	17,481	20,164	20,273	20,512	19,864	68,931	56,788	66,357
122,834	0,234	0,431	0,517	0,163	0,247	66,073	19,420	14,107	-13,061	7,106	20,161	20,286	20,523	19,860	68,923	56,783	66,336
123,000	0,237	0,427	0,517	0,166	0,257	66,013	19,440	26,525	-9,861	18,933	20,169	20,260	20,514	19,857	68,867	56,782	66,326
123,167	0,237	0,415	0,517	0,162	0,253	65,959	19,429	24,350	-12,598	31,623	20,168	20,281	20,508	19,860	68,896	56,788	66,304
123,334	0,240	0,406	0,517	0,163	0,254	65,883	19,443	13,279	-15,171	21,282	20,169	20,279	20,516	19,864	69,082	56,794	66,299
123,500	0,243	0,401	0,517	0,165	0,263	65,845	19,442	16,014	-11,687	7,839	20,170	20,280	20,504	19,862	69,129	56,799	66,304
123,667	0,235	0,393	0,517	0,164	0,253	65,852	19,459	26,138	-11,198	18,861	20,153	20,286	20,510	19,862	69,054	56,803	66,305
123,834	0,228	0,388	0,517	0,162	0,259	65,784	19,441	21,552	-14,260	28,851	20,154	20,272	20,519	19,861	69,006	56,815	66,324
124,000	0,230	0,391	0,517	0,162	0,260	65,746	19,454	14,381	-14,321	18,005	20,160	20,279	20,521	19,864	68,806	56,815	66,340
124,167	0,231	0,399	0,517	0,162	0,251	65,714	19,380	17,424	-11,988	14,395	20,177	20,264	20,508	19,860	68,785	56,833	66,344
124,334	0,237	0,402	0,475	0,163	0,263	65,677	19,432	24,394	-12,227	24,548	20,161	20,285	20,512	19,862	68,697	56,833	66,323
124,500	0,249	0,401	0,495	0,161	0,252	65,642	19,459	31,081	-14,083	15,898	20,164	20,280	20,494	19,860	68,787	56,834	66,316
124,667	0,261	0,405	0,478	0,166	0,258	65,595	19,467	18,272	-14,280	22,631	20,168	20,277	20,516	19,862	68,681	56,839	66,266
124,834	0,256	0,410	0,477	0,166	0,263	65,590	19,454	20,384	-12,223	12,599	20,157	20,267	20,510	19,860	68,756	56,848	66,230
125,000	0,248	0,410	0,478	0,165	0,255	65,590	19,363	24,263	-13,699	26,073	20,158	20,272	20,503	19,861	68,752	56,845	66,177

Froling_PE135kw_170914_start_cat I.DAT

Pre burn category I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
119,667	54,735	0,401	0,398	5433,881	5659,552	217,838	5,405	509,450	6,806	10,536	4,191	2017-09-14 10:40
119,833	54,727	0,401	0,399	5435,102	5697,436	211,743	5,519	509,450	6,759	10,224	4,128	2017-09-14 10:40
120,000	54,728	0,402	0,399	5426,631	5692,015	210,291	5,634	509,450	6,738	10,329	4,149	2017-09-14 10:40
120,167	54,747	0,402	0,399	5402,023	5648,833	231,662	5,615	509,450	6,571	9,976	4,078	2017-09-14 10:40
120,333	54,778	0,401	0,399	5365,312	5653,430	238,368	5,497	509,450	6,603	10,181	4,119	2017-09-14 10:40
120,500	54,799	0,401	0,399	5356,944	5636,788	289,950	5,392	509,544	6,681	10,241	4,131	2017-09-14 10:40
120,667	54,810	0,401	0,399	5347,092	5655,804	272,883	5,240	509,450	6,693	10,141	4,111	2017-09-14 10:41
120,833	54,818	0,402	0,399	5341,712	5698,322	259,555	5,195	509,450	6,582	10,141	4,111	2017-09-14 10:41
121,000	54,814	0,401	0,399	5330,244	5687,259	271,487	5,214	509,451	6,673	10,047	4,092	2017-09-14 10:41
121,167	54,798	0,401	0,399	5340,071	5621,361	248,437	5,084	509,450	6,584	10,397	4,163	2017-09-14 10:41
121,333	54,785	0,402	0,399	5347,991	5651,171	242,732	4,645	509,450	6,708	10,421	4,167	2017-09-14 10:41
121,500	54,769	0,402	0,399	5363,620	5565,296	220,760	4,355	509,450	6,349	10,289	4,141	2017-09-14 10:41
121,667	54,756	0,402	0,399	5366,455	5628,984	212,164	4,643	509,450	6,634	10,200	4,123	2017-09-14 10:42
121,833	54,750	0,401	0,399	5358,203	5612,671	272,894	5,064	509,450	6,571	10,096	4,102	2017-09-14 10:42
122,000	54,756	0,402	0,399	5346,888	5523,783	262,901	5,445	509,450	6,522	10,368	4,157	2017-09-14 10:42
122,167	54,771	0,402	0,400	5333,816	5621,167	222,612	5,717	509,450	6,682	10,455	4,174	2017-09-14 10:42
122,334	54,787	0,401	0,399	5308,622	5597,972	183,850	5,680	509,450	6,553	9,974	4,077	2017-09-14 10:42
122,500	54,807	0,402	0,399	5283,527	5597,267	160,985	5,666	509,451	6,468	10,020	4,087	2017-09-14 10:42
122,667	54,815	0,402	0,399	5276,362	5582,218	198,308	5,779	509,451	6,582	10,367	4,157	2017-09-14 10:43
122,834	54,830	0,402	0,399	5255,039	5584,104	220,124	5,779	509,451	6,527	9,874	4,057	2017-09-14 10:43
123,000	54,849	0,401	0,399	5240,154	5553,870	238,775	5,667	509,450	6,640	10,270	4,137	2017-09-14 10:43
123,167	54,858	0,402	0,399	5229,313	5566,102	237,062	5,372	509,450	6,492	10,112	4,105	2017-09-14 10:43
123,334	54,864	0,401	0,399	5220,772	5646,227	260,150	5,162	509,450	6,520	10,159	4,115	2017-09-14 10:43
123,500	54,862	0,401	0,399	5225,810	5663,991	277,953	5,036	509,450	6,591	10,537	4,191	2017-09-14 10:43
123,667	54,862	0,402	0,399	5233,580	5631,468	229,606	4,837	509,450	6,569	10,129	4,109	2017-09-14 10:44
123,834	54,864	0,402	0,399	5242,723	5609,047	185,105	4,702	509,450	6,488	10,367	4,157	2017-09-14 10:44
124,000	54,872	0,402	0,399	5246,436	5514,713	197,613	4,780	509,450	6,486	10,413	4,166	2017-09-14 10:44
124,167	54,881	0,402	0,399	5242,847	5493,903	202,533	4,966	509,450	6,479	10,033	4,089	2017-09-14 10:44
124,334	54,897	0,401	0,399	5223,415	5452,247	238,615	5,057	501,622	6,510	10,510	4,185	2017-09-14 10:44
124,500	54,912	0,402	0,399	5208,620	5493,963	310,748	5,014	505,321	6,429	10,060	4,095	2017-09-14 10:44
124,667	54,920	0,402	0,399	5183,472	5443,919	389,083	5,114	502,137	6,639	10,305	4,144	2017-09-14 10:45
124,834	54,932	0,402	0,399	5164,069	5477,709	360,210	5,259	501,855	6,625	10,517	4,187	2017-09-14 10:45
125,000	54,944	0,402	0,399	5131,758	5479,316	309,883	5,248	502,052	6,601	10,190	4,121	2017-09-14 10:45

Froling_PE135kw_170914_matning_cat I.DAT
Category: I

Configuration file: C:\Data collection\Configuration\EPA testing.KONF
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	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
0,001	0,242	0,381	0,517	0,158	0,242	65,119	19,497	13,245	-18,356	21,704	20,159	20,273	20,519	19,866	68,467	56,878	66,010
0,179	0,238	0,385	0,517	0,162	0,262	65,041	19,537	9,539	-17,667	11,698	20,161	20,284	20,506	19,866	68,420	56,895	66,008
0,334	0,236	0,386	0,517	0,160	0,251	65,059	19,505	14,095	-13,740	13,274	20,166	20,280	20,519	19,862	68,381	56,897	65,996
0,500	0,241	0,387	0,517	0,160	0,258	65,027	19,503	21,196	-13,389	16,961	20,175	20,276	20,519	19,864	68,393	56,907	65,987
0,667	0,236	0,383	0,517	0,157	0,253	64,949	19,470	25,042	-13,552	19,935	20,161	20,266	20,523	19,865	68,381	56,907	65,970
0,834	0,236	0,380	0,517	0,160	0,254	64,893	19,488	25,744	-13,657	21,606	20,156	20,293	20,512	19,866	68,463	56,911	65,943
1,000	0,245	0,376	0,517	0,161	0,247	64,877	19,499	27,139	-12,355	18,026	20,159	20,286	20,524	19,866	68,297	56,911	65,904
1,167	0,243	0,369	0,517	0,160	0,254	64,817	19,511	25,411	-15,605	23,190	20,173	20,268	20,518	19,872	68,297	56,919	65,889
1,334	0,238	0,363	0,517	0,161	0,253	64,776	19,539	19,437	-14,697	19,993	20,177	20,293	20,522	19,872	68,292	56,905	65,855
1,500	0,237	0,357	0,517	0,158	0,254	64,730	19,537	16,941	-15,321	19,919	20,175	20,283	20,524	19,868	68,200	56,904	65,826
1,667	0,237	0,356	0,517	0,161	0,262	64,709	19,549	14,300	-14,905	18,373	20,180	20,298	20,527	19,873	68,088	56,907	65,806
1,940	0,235	0,376	0,517	0,162	0,259	64,641	19,512	19,586	-15,168	13,862	20,173	20,288	20,528	19,874	67,943	56,924	65,784
2,198	0,237	0,408	0,517	0,160	0,251	64,611	19,494	19,121	-17,786	25,065	20,177	20,285	20,516	19,870	68,039	56,925	65,729
2,256	0,238	0,413	0,517	0,160	0,250	64,603	19,502	15,563	-11,889	12,465	20,177	20,280	20,539	19,873	68,020	56,927	65,718
2,539	0,241	0,419	0,517	0,159	0,258	64,566	19,541	23,236	-14,604	15,395	20,186	20,289	20,515	19,869	68,196	56,935	65,661
2,721	0,244	0,417	0,517	0,161	0,252	64,528	19,614	24,273	-15,339	29,635	20,180	20,293	20,520	19,876	68,214	56,935	65,648
2,779	0,242	0,417	0,517	0,159	0,249	64,512	19,607	15,314	-13,098	24,883	20,177	20,291	20,528	19,876	68,088	56,940	65,647
2,837	0,232	0,416	0,517	0,158	0,256	64,519	19,618	13,359	-13,824	15,115	20,193	20,298	20,523	19,877	68,037	56,933	65,647
3,073	0,229	0,414	0,517	0,160	0,263	64,497	19,598	16,905	-12,977	9,094	20,174	20,297	20,518	19,881	67,884	56,936	65,667
3,261	0,229	0,417	0,517	0,159	0,252	64,475	19,581	23,211	-15,123	25,235	20,177	20,301	20,528	19,880	67,958	56,931	65,674
3,333	0,229	0,419	0,517	0,159	0,250	64,451	19,579	18,048	-10,256	13,467	20,202	20,302	20,522	19,876	67,814	56,937	65,674
3,500	0,233	0,425	0,517	0,162	0,251	64,457	19,605	23,718	-14,223	30,590	20,180	20,295	20,531	19,877	67,971	56,932	65,616
3,667	0,240	0,435	0,516	0,155	0,255	64,425	19,624	17,888	-13,171	12,812	20,182	20,306	20,534	19,877	68,014	56,933	65,598
3,833	0,240	0,449	0,516	0,153	0,257	64,378	19,593	21,490	-14,593	23,367	20,202	20,306	20,531	19,884	68,022	56,943	65,579
4,000	0,232	0,460	0,516	0,156	0,247	64,320	19,611	17,057	-15,361	15,774	20,185	20,300	20,552	19,882	67,974	56,946	65,559
4,167	0,235	0,460	0,517	0,161	0,258	64,292	19,651	19,351	-14,261	16,105	20,190	20,309	20,544	19,888	67,878	56,948	65,568

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
0,001	55,038	4,607	4,421	55568,232	61114,468	267,151	4,527	509,357	6,318	9,681	4,017	2017-09-14 10:47
0,179	55,046	0,402	0,399	5013,052	5299,291	246,828	4,618	509,356	6,464	10,474	4,178	2017-09-14 10:47
0,334	55,043	0,402	0,399	5004,327	5282,779	234,810	4,645	509,357	6,419	10,056	4,094	2017-09-14 10:47
0,500	55,050	0,402	0,399	4994,770	5281,919	262,262	4,680	509,357	6,418	10,332	4,150	2017-09-14 10:48
0,667	55,052	0,402	0,399	4988,210	5281,486	232,489	4,587	509,357	6,287	10,113	4,105	2017-09-14 10:48
0,834	55,056	0,402	0,399	4975,619	5317,453	233,077	4,496	509,357	6,397	10,152	4,113	2017-09-14 10:48
1,000	55,060	0,403	0,399	4955,607	5248,920	285,899	4,398	509,363	6,423	9,887	4,059	2017-09-14 10:48
1,167	55,070	0,402	0,399	4944,040	5237,429	273,901	4,233	509,357	6,392	10,166	4,116	2017-09-14 10:48
1,334	55,078	0,402	0,399	4919,990	5237,661	247,933	4,070	509,357	6,421	10,113	4,106	2017-09-14 10:48
1,500	55,090	0,402	0,399	4904,300	5197,206	236,065	3,925	509,357	6,304	10,161	4,115	2017-09-14 10:49
1,667	55,101	0,402	0,399	4892,467	5146,096	236,867	3,902	509,357	6,452	10,470	4,177	2017-09-14 10:49
1,940	55,111	0,403	0,400	4886,063	5081,697	224,529	4,394	509,357	6,490	10,362	4,156	2017-09-14 10:49
2,198	55,113	0,403	0,399	4852,110	5120,397	239,212	5,209	509,357	6,383	10,048	4,092	2017-09-14 10:49
2,256	55,115	0,403	0,400	4854,440	5120,727	246,961	5,324	509,357	6,393	9,996	4,082	2017-09-14 10:49
2,539	55,113	0,402	0,399	4815,836	5180,477	266,782	5,484	509,357	6,376	10,325	4,148	2017-09-14 10:50
2,721	55,117	0,402	0,399	4813,646	5194,721	283,578	5,415	509,357	6,445	10,089	4,101	2017-09-14 10:50
2,779	55,114	0,402	0,398	4797,939	5124,759	271,720	5,426	509,357	6,349	9,948	4,072	2017-09-14 10:50
2,837	55,114	0,402	0,398	4801,512	5112,551	206,504	5,388	509,357	6,311	10,247	4,133	2017-09-14 10:50
3,073	55,122	0,403	0,399	4819,553	5044,421	189,298	5,355	509,357	6,395	10,517	4,187	2017-09-14 10:50
3,261	55,130	0,402	0,398	4811,054	5072,862	186,147	5,427	509,357	6,355	10,070	4,097	2017-09-14 10:50
3,333	55,133	0,401	0,398	4799,717	4995,503	190,466	5,468	509,357	6,370	10,012	4,085	2017-09-14 10:50
3,500	55,139	0,402	0,399	4784,467	5083,184	216,556	5,628	509,357	6,493	10,052	4,093	2017-09-14 10:51
3,667	55,145	0,402	0,399	4778,069	5104,257	259,378	5,877	509,264	6,180	10,189	4,121	2017-09-14 10:51
3,833	55,146	0,403	0,399	4765,053	5105,970	260,389	6,224	509,289	6,129	10,265	4,136	2017-09-14 10:51
4,000	55,147	0,402	0,399	4754,168	5074,315	205,667	6,503	509,264	6,224	9,898	4,062	2017-09-14 10:51
4,167	55,149	0,402	0,399	4756,637	5029,320	226,635	6,501	509,357	6,449	10,318	4,147	2017-09-14 10:51

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
4,333	0,228	0,446	0,516	0,159	0,255	64,265	19,622	16,602	-16,036	25,941	20,180	20,295	20,544	19,882	67,952	56,954	65,562
4,500	0,222	0,442	0,516	0,154	0,257	64,284	19,707	16,452	-13,640	10,754	20,169	20,300	20,530	19,880	68,006	56,954	65,554
4,667	0,223	0,444	0,516	0,154	0,249	64,229	19,720	26,174	-12,012	18,455	20,197	20,300	20,545	19,888	67,792	56,948	65,555
4,833	0,224	0,445	0,516	0,161	0,252	64,254	19,651	28,365	-12,103	22,041	20,185	20,288	20,540	19,881	68,053	56,950	65,517
5,000	0,227	0,443	0,516	0,160	0,251	64,211	19,662	29,670	-13,270	23,671	20,199	20,320	20,538	19,888	68,037	56,951	65,509
5,167	0,223	0,445	0,516	0,160	0,252	64,187	19,640	25,245	-15,090	27,543	20,189	20,300	20,547	19,886	68,051	56,944	65,521
5,333	0,224	0,451	0,516	0,153	0,263	64,163	19,669	15,875	-15,516	20,357	20,186	20,301	20,539	19,882	68,293	56,935	65,536
5,500	0,228	0,442	0,516	0,156	0,250	64,150	19,638	16,909	-15,260	21,087	20,184	20,303	20,536	19,885	68,059	56,925	65,574
5,667	0,230	0,441	0,516	0,156	0,257	64,115	19,651	15,871	-13,769	20,476	20,192	20,304	20,535	19,886	68,025	56,913	65,591
5,833	0,235	0,437	0,516	0,156	0,256	64,099	19,628	18,537	-15,110	12,956	20,182	20,304	20,531	19,882	68,090	56,905	65,633
6,000	0,240	0,429	0,516	0,155	0,253	64,033	19,653	25,048	-11,818	18,661	20,197	20,304	20,527	19,884	67,978	56,900	65,667
6,167	0,240	0,422	0,516	0,157	0,255	64,013	19,694	28,758	-12,304	22,293	20,192	20,311	20,546	19,894	68,076	56,899	65,674
6,333	0,235	0,426	0,516	0,156	0,257	63,979	19,646	25,685	-14,494	23,104	20,201	20,321	20,517	19,886	67,893	56,897	65,665
6,500	0,229	0,427	0,516	0,152	0,260	63,903	19,659	23,934	-16,215	31,365	20,192	20,313	20,530	19,888	68,125	56,901	65,656
6,667	0,227	0,430	0,516	0,157	0,251	63,952	19,648	13,631	-16,685	20,928	20,186	20,291	20,538	19,892	68,149	56,897	65,620
6,834	0,225	0,449	0,516	0,159	0,257	63,974	19,653	13,584	-15,868	14,247	20,198	20,318	20,546	19,893	68,183	56,896	65,610
7,000	0,224	0,463	0,516	0,151	0,259	63,961	19,627	2,548	-21,760	10,456	20,188	20,317	20,523	19,893	68,273	56,896	65,617
7,167	0,225	0,464	0,516	0,155	0,253	63,905	19,631	16,549	-14,759	19,890	20,194	20,301	20,526	19,890	68,288	56,892	65,644
7,334	0,226	0,462	0,516	0,157	0,259	63,873	19,631	18,005	-14,756	17,068	20,189	20,313	20,542	19,893	68,347	56,873	65,652
7,500	0,226	0,446	0,516	0,156	0,258	63,831	19,636	22,986	-12,166	16,006	20,209	20,314	20,543	19,892	68,342	56,862	65,682
7,667	0,228	0,433	0,516	0,157	0,251	63,797	19,638	26,941	-12,737	20,697	20,190	20,315	20,552	19,896	68,078	56,850	65,690
7,834	0,231	0,431	0,516	0,154	0,254	63,784	19,660	22,884	-15,662	30,948	20,190	20,304	20,551	19,894	68,272	56,841	65,707
8,000	0,227	0,429	0,516	0,151	0,253	63,752	19,676	15,612	-15,975	17,042	20,214	20,324	20,543	19,905	68,212	56,841	65,726
8,167	0,227	0,429	0,515	0,154	0,259	63,762	19,699	21,744	-12,491	13,748	20,213	20,325	20,535	19,900	68,140	56,846	65,710
8,334	0,223	0,438	0,516	0,162	0,248	63,755	19,723	24,357	-14,233	25,795	20,187	20,328	20,543	19,897	68,154	56,848	65,688
8,500	0,225	0,443	0,516	0,156	0,246	63,710	19,728	15,478	-15,632	20,069	20,208	20,325	20,547	19,901	68,325	56,848	65,684
8,667	0,229	0,436	0,515	0,155	0,252	63,677	19,698	16,448	-15,015	13,381	20,204	20,325	20,544	19,898	68,348	56,842	65,669
8,834	0,233	0,423	0,516	0,157	0,260	63,673	19,584	22,183	-13,656	16,718	20,196	20,332	20,537	19,901	68,208	56,841	65,674
9,000	0,232	0,420	0,516	0,154	0,238	63,634	19,642	23,248	-14,674	22,509	20,189	20,319	20,539	19,900	68,121	56,837	65,704

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
4,333	55,145	0,402	0,398	4749,100	5059,123	179,904	6,152	509,264	6,341	10,183	4,120	2017-09-14 10:51
4,500	55,134	0,402	0,399	4760,381	5088,862	147,139	6,046	509,264	6,160	10,293	4,142	2017-09-14 10:52
4,667	55,107	0,402	0,398	4768,002	4987,351	152,806	6,101	509,264	6,174	9,974	4,077	2017-09-14 10:52
4,833	55,089	0,402	0,398	4759,099	5105,118	156,586	6,134	509,263	6,437	10,061	4,095	2017-09-14 10:52
5,000	55,074	0,402	0,398	4760,930	5103,592	177,148	6,064	509,264	6,388	10,031	4,089	2017-09-14 10:52
5,167	55,064	0,402	0,398	4768,496	5115,253	152,619	6,125	509,264	6,386	10,066	4,096	2017-09-14 10:52
5,333	55,062	0,403	0,399	4787,577	5235,049	156,983	6,273	509,264	6,139	10,504	4,184	2017-09-14 10:52
5,500	55,059	0,402	0,399	4801,761	5128,466	183,420	6,057	509,264	6,247	10,005	4,083	2017-09-14 10:53
5,667	55,060	0,402	0,398	4805,818	5115,927	194,319	6,023	509,264	6,259	10,268	4,137	2017-09-14 10:53
5,833	55,055	0,402	0,399	4829,169	5148,112	224,119	5,927	509,264	6,247	10,246	4,132	2017-09-14 10:53
6,000	55,051	0,402	0,398	4844,863	5098,353	257,047	5,730	509,264	6,219	10,122	4,107	2017-09-14 10:53
6,167	55,051	0,402	0,398	4843,044	5140,798	256,630	5,552	509,264	6,283	10,184	4,120	2017-09-14 10:53
6,333	55,044	0,402	0,398	4845,764	5058,971	227,024	5,648	509,263	6,253	10,290	4,141	2017-09-14 10:53
6,500	55,030	0,402	0,398	4848,218	5159,774	188,975	5,682	509,263	6,060	10,392	4,162	2017-09-14 10:54
6,667	55,011	0,402	0,399	4843,673	5178,503	174,424	5,751	509,264	6,267	10,030	4,089	2017-09-14 10:54
6,834	54,996	0,402	0,398	4844,679	5189,424	164,366	6,226	509,263	6,353	10,296	4,142	2017-09-14 10:54
7,000	54,985	0,402	0,398	4849,107	5230,411	160,377	6,567	509,263	6,055	10,373	4,158	2017-09-14 10:54
7,167	54,980	0,401	0,398	4862,310	5231,833	162,927	6,604	509,263	6,213	10,137	4,110	2017-09-14 10:54
7,334	54,975	0,401	0,398	4873,576	5269,894	172,333	6,555	509,264	6,298	10,348	4,153	2017-09-14 10:54
7,500	54,975	0,401	0,399	4891,270	5271,845	167,910	6,158	509,263	6,221	10,318	4,147	2017-09-14 10:55
7,667	54,977	0,401	0,398	4881,816	5155,852	184,059	5,832	509,264	6,271	10,044	4,091	2017-09-14 10:55
7,834	54,977	0,402	0,398	4890,869	5256,031	202,588	5,771	509,264	6,161	10,162	4,115	2017-09-14 10:55
8,000	54,973	0,402	0,398	4900,531	5226,363	177,555	5,729	509,263	6,035	10,137	4,110	2017-09-14 10:55
8,167	54,971	0,401	0,398	4900,315	5185,375	173,542	5,734	509,119	6,177	10,353	4,154	2017-09-14 10:55
8,334	54,961	0,402	0,398	4890,404	5197,425	153,661	5,945	509,264	6,466	9,915	4,065	2017-09-14 10:55
8,500	54,953	0,401	0,398	4892,231	5272,853	163,931	6,087	509,264	6,255	9,829	4,047	2017-09-14 10:56
8,667	54,939	0,401	0,398	4887,282	5282,333	191,807	5,898	509,119	6,197	10,095	4,102	2017-09-14 10:56
8,834	54,927	0,401	0,398	4894,147	5215,678	213,769	5,569	509,264	6,269	10,404	4,164	2017-09-14 10:56
9,000	54,917	0,401	0,398	4916,939	5179,461	210,586	5,494	509,264	6,162	9,525	3,984	2017-09-14 10:56

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
9,167	0,233	0,417	0,516	0,154	0,252	63,592	19,659	17,926	-15,602	16,406	20,219	20,329	20,546	19,904	68,166	56,834	65,740
9,334	0,238	0,408	0,515	0,156	0,258	63,625	19,624	16,311	-18,070	19,030	20,214	20,340	20,554	19,910	68,129	56,829	65,719
9,500	0,241	0,399	0,515	0,158	0,258	63,640	19,664	19,075	-14,534	18,320	20,205	20,332	20,543	19,902	68,072	56,817	65,709
9,667	0,234	0,399	0,515	0,157	0,253	63,580	19,642	22,712	-12,191	15,565	20,210	20,315	20,539	19,897	68,156	56,811	65,672
9,833	0,234	0,401	0,515	0,149	0,259	63,552	19,680	23,795	-14,959	28,845	20,227	20,341	20,562	19,918	67,915	56,806	65,636
10,000	0,228	0,408	0,515	0,156	0,259	63,529	19,686	13,746	-16,164	21,222	20,204	20,332	20,563	19,908	67,965	56,799	65,624
10,167	0,224	0,423	0,515	0,156	0,248	63,500	19,689	10,786	-16,085	18,609	20,189	20,332	20,537	19,908	68,138	56,799	65,603
10,333	0,222	0,434	0,515	0,160	0,251	63,447	19,680	8,280	-15,521	18,399	20,211	20,332	20,551	19,904	68,094	56,791	65,583
10,500	0,221	0,441	0,515	0,156	0,256	63,446	19,686	13,939	-13,418	13,990	20,205	20,329	20,560	19,905	68,141	56,779	65,566
10,667	0,223	0,449	0,515	0,154	0,247	63,443	19,677	21,072	-13,447	16,083	20,214	20,319	20,546	19,902	68,172	56,774	65,570
10,833	0,225	0,449	0,515	0,154	0,252	63,385	19,719	21,870	-14,958	18,153	20,202	20,319	20,535	19,902	68,169	56,771	65,571
11,000	0,228	0,450	0,515	0,154	0,253	63,388	19,684	23,286	-14,734	32,053	20,225	20,334	20,559	19,913	68,218	56,768	65,585
11,167	0,233	0,459	0,515	0,153	0,258	63,348	19,667	18,230	-13,436	12,099	20,210	20,338	20,550	19,910	68,325	56,762	65,591
11,333	0,229	0,485	0,515	0,158	0,259	63,333	19,660	21,773	-14,229	24,962	20,205	20,336	20,546	19,906	68,259	56,756	65,602
11,500	0,231	0,498	0,515	0,156	0,252	63,342	19,683	14,564	-15,420	22,698	20,220	20,333	20,560	19,920	68,029	56,751	65,602
11,667	0,230	0,495	0,515	0,155	0,253	63,374	19,643	12,790	-15,846	16,264	20,204	20,340	20,558	19,914	68,305	56,745	65,629
11,833	0,227	0,493	0,515	0,154	0,249	63,409	19,663	10,516	-15,294	20,978	20,224	20,342	20,568	19,925	68,127	56,743	65,638
12,000	0,223	0,498	0,515	0,152	0,256	63,377	19,640	14,198	-14,227	16,751	20,214	20,340	20,564	19,925	68,374	56,743	65,632
12,167	0,218	0,504	0,515	0,157	0,254	63,353	19,658	19,900	-12,775	12,335	20,217	20,353	20,574	19,929	68,406	56,740	65,617
12,333	0,219	0,503	0,515	0,158	0,252	63,390	19,683	26,967	-13,798	19,150	20,217	20,333	20,558	19,924	68,315	56,744	65,597
12,500	0,221	0,500	0,515	0,152	0,250	63,399	19,694	27,700	-11,592	19,902	20,220	20,331	20,558	19,916	68,494	56,748	65,663
12,667	0,222	0,498	0,515	0,156	0,249	63,408	19,653	27,239	-14,651	24,738	20,230	20,358	20,576	19,937	68,546	56,763	65,719
12,833	0,223	0,494	0,515	0,153	0,261	63,385	19,665	20,188	-14,972	22,407	20,225	20,344	20,566	19,924	68,433	56,771	65,726
13,000	0,224	0,492	0,515	0,151	0,259	63,363	19,646	16,831	-16,562	24,682	20,221	20,343	20,575	19,929	68,643	56,782	65,748
13,167	0,223	0,496	0,515	0,154	0,264	63,309	19,668	11,695	-15,403	19,901	20,217	20,335	20,554	19,917	68,612	56,790	65,822
13,334	0,219	0,506	0,515	0,147	0,259	63,279	19,705	12,139	-15,432	19,115	20,212	20,327	20,562	19,917	68,783	56,796	65,819
13,500	0,220	0,502	0,515	0,151	0,249	63,271	19,727	12,923	-14,952	19,768	20,236	20,358	20,596	19,938	68,814	56,811	65,827
13,667	0,234	0,483	0,515	0,156	0,257	63,239	19,689	11,391	-15,708	19,714	20,220	20,344	20,574	19,922	68,728	56,810	65,886
13,834	0,236	0,459	0,515	0,154	0,255	63,240	19,692	15,994	-13,423	10,496	20,211	20,329	20,570	19,924	68,595	56,810	65,951

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
9,167	54,909	0,401	0,398	4936,894	5202,002	215,381	5,420	509,264	6,163	10,095	4,102	2017-09-14 10:56
9,334	54,906	0,401	0,398	4926,553	5187,975	243,198	5,201	509,119	6,234	10,327	4,149	2017-09-14 10:56
9,500	54,906	0,402	0,399	4931,512	5173,632	263,318	4,972	509,119	6,305	10,316	4,146	2017-09-14 10:57
9,667	54,904	0,402	0,399	4917,190	5214,800	220,975	4,977	509,119	6,285	10,130	4,109	2017-09-14 10:57
9,833	54,904	0,402	0,398	4893,295	5108,487	222,247	5,013	509,119	5,974	10,357	4,155	2017-09-14 10:57
10,000	54,900	0,401	0,398	4888,345	5126,920	184,090	5,212	509,119	6,256	10,358	4,155	2017-09-14 10:57
10,167	54,893	0,401	0,398	4882,969	5207,535	159,137	5,565	509,119	6,241	9,909	4,064	2017-09-14 10:57
10,333	54,889	0,401	0,398	4876,081	5192,140	145,913	5,858	509,118	6,380	10,047	4,092	2017-09-14 10:57
10,500	54,881	0,401	0,398	4877,472	5218,069	137,321	6,035	509,119	6,233	10,242	4,132	2017-09-14 10:58
10,667	54,870	0,401	0,398	4874,158	5233,172	149,471	6,220	509,119	6,169	9,875	4,057	2017-09-14 10:58
10,833	54,860	0,401	0,398	4886,361	5234,503	166,454	6,218	509,119	6,173	10,080	4,099	2017-09-14 10:58
11,000	54,853	0,402	0,398	4891,982	5264,770	182,374	6,252	509,119	6,158	10,134	4,110	2017-09-14 10:58
11,167	54,848	0,402	0,398	4904,230	5315,525	216,542	6,464	509,119	6,129	10,318	4,147	2017-09-14 10:58
11,333	54,845	0,402	0,399	4912,221	5290,378	191,821	7,115	509,119	6,325	10,376	4,159	2017-09-14 10:58
11,500	54,849	0,401	0,398	4906,485	5181,303	200,625	7,443	509,119	6,233	10,095	4,102	2017-09-14 10:59
11,667	54,865	0,401	0,398	4913,472	5310,421	196,445	7,378	509,118	6,191	10,134	4,110	2017-09-14 10:59
11,833	54,888	0,401	0,398	4903,736	5227,813	177,385	7,335	509,119	6,170	9,977	4,078	2017-09-14 10:59
12,000	54,905	0,401	0,398	4895,501	5344,880	153,661	7,447	509,119	6,094	10,253	4,134	2017-09-14 10:59
12,167	54,914	0,401	0,398	4882,406	5361,263	123,478	7,608	509,119	6,271	10,163	4,116	2017-09-14 10:59
12,333	54,917	0,401	0,398	4870,399	5313,199	128,061	7,568	509,025	6,309	10,099	4,103	2017-09-14 10:59
12,500	54,918	0,401	0,398	4897,292	5394,189	142,122	7,489	509,119	6,078	10,007	4,084	2017-09-14 11:00
12,667	54,916	0,402	0,398	4928,519	5417,622	142,970	7,443	509,119	6,223	9,962	4,075	2017-09-14 11:00
12,833	54,912	0,401	0,398	4933,438	5359,378	153,869	7,338	509,025	6,105	10,441	4,172	2017-09-14 11:00
13,000	54,908	0,402	0,399	4948,760	5455,784	160,982	7,300	509,025	6,036	10,355	4,154	2017-09-14 11:00
13,167	54,900	0,401	0,399	4987,370	5432,241	149,116	7,392	509,119	6,178	10,551	4,193	2017-09-14 11:00
13,334	54,901	0,401	0,399	4984,354	5504,588	127,717	7,653	509,025	5,867	10,368	4,157	2017-09-14 11:00
13,500	54,917	0,401	0,398	4980,259	5508,430	132,053	7,542	509,025	6,023	9,961	4,074	2017-09-14 11:01
13,667	54,933	0,401	0,398	4996,501	5468,325	222,327	7,077	509,025	6,244	10,261	4,135	2017-09-14 11:01
13,834	54,944	0,401	0,398	5020,608	5410,723	234,147	6,463	509,025	6,160	10,212	4,126	2017-09-14 11:01

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
14,000	0,236	0,447	0,515	0,157	0,263	63,278	19,669	17,418	-14,047	24,694	20,230	20,358	20,582	19,939	68,511	56,817	66,008
14,167	0,229	0,458	0,515	0,151	0,261	63,289	19,676	11,173	-13,643	19,326	20,204	20,331	20,558	19,922	68,603	56,823	66,036
14,334	0,224	0,477	0,515	0,152	0,250	63,322	19,667	11,172	-14,709	17,593	20,205	20,340	20,576	19,929	68,577	56,837	66,020
14,500	0,224	0,498	0,515	0,148	0,262	63,286	19,655	17,973	-12,620	10,204	20,215	20,336	20,568	19,926	68,534	56,856	65,990
14,667	0,222	0,506	0,515	0,152	0,263	63,298	19,700	22,731	-12,905	27,036	20,224	20,343	20,574	19,931	68,603	56,880	65,966
14,834	0,220	0,495	0,515	0,154	0,250	63,270	19,740	14,833	-14,923	21,404	20,230	20,340	20,574	19,925	68,681	56,882	65,990
15,000	0,222	0,478	0,515	0,155	0,255	63,298	19,620	18,283	-12,193	10,674	20,216	20,348	20,568	19,927	68,546	56,890	65,981
15,167	0,224	0,467	0,515	0,148	0,250	63,301	19,618	24,754	-12,908	22,027	20,233	20,349	20,581	19,925	68,690	56,886	65,986
15,334	0,218	0,467	0,515	0,154	0,254	63,315	19,623	25,095	-11,522	16,264	20,224	20,344	20,568	19,925	68,484	56,893	66,025
15,500	0,217	0,469	0,515	0,150	0,257	63,293	19,596	25,016	-13,739	25,939	20,214	20,321	20,555	19,918	68,713	56,897	66,002
15,667	0,220	0,469	0,515	0,150	0,256	63,279	19,532	14,312	-15,671	24,545	20,208	20,332	20,568	19,917	68,810	56,903	66,014
15,834	0,220	0,466	0,515	0,152	0,259	63,288	19,538	16,753	-13,528	9,923	20,229	20,341	20,578	19,933	68,720	56,907	66,056
16,000	0,223	0,462	0,514	0,155	0,261	63,244	19,586	21,542	-13,416	24,216	20,237	20,355	20,571	19,939	68,816	56,911	66,055
16,167	0,222	0,464	0,515	0,150	0,245	63,245	19,559	16,554	-14,175	25,749	20,228	20,350	20,566	19,933	68,853	56,916	66,053
16,333	0,216	0,480	0,514	0,147	0,261	63,256	19,611	13,365	-14,894	16,428	20,236	20,364	20,582	19,946	68,930	56,919	66,070
16,500	0,216	0,492	0,515	0,149	0,257	63,278	19,664	18,882	-12,629	17,067	20,253	20,368	20,600	19,954	68,785	56,929	66,084
16,667	0,216	0,502	0,514	0,149	0,254	63,270	19,632	18,679	-14,245	21,706	20,224	20,352	20,557	19,931	69,061	56,933	66,117
16,833	0,215	0,505	0,514	0,152	0,251	63,284	19,636	18,695	-12,898	15,939	20,233	20,340	20,575	19,931	68,847	56,943	66,141
17,000	0,217	0,507	0,514	0,155	0,253	63,273	19,635	20,589	-14,345	23,151	20,230	20,347	20,582	19,935	68,975	56,952	66,146
17,167	0,218	0,504	0,514	0,146	0,256	63,259	19,590	14,216	-15,713	22,665	20,241	20,352	20,588	19,945	69,143	56,958	66,165
17,333	0,215	0,511	0,514	0,153	0,251	63,268	19,561	14,903	-12,540	10,190	20,233	20,343	20,578	19,929	69,163	56,964	66,223
17,500	0,214	0,517	0,514	0,154	0,259	63,255	19,666	20,922	-15,291	24,589	20,228	20,343	20,588	19,941	69,012	56,968	66,227
17,667	0,219	0,513	0,514	0,150	0,257	63,247	19,656	16,212	-14,366	16,722	20,231	20,355	20,592	19,947	69,050	56,978	66,313
17,833	0,220	0,501	0,514	0,149	0,253	63,276	19,629	22,608	-11,554	16,429	20,246	20,336	20,571	19,935	69,081	56,978	66,374
18,000	0,217	0,498	0,514	0,151	0,263	63,219	19,519	25,960	-14,029	27,691	20,250	20,344	20,588	19,950	69,230	56,987	66,413
18,167	0,218	0,495	0,514	0,152	0,252	63,215	19,566	19,376	-14,999	22,351	20,237	20,356	20,582	19,949	69,047	56,998	66,398
18,333	0,228	0,481	0,514	0,150	0,252	63,191	19,562	19,047	-12,637	11,497	20,238	20,352	20,574	19,943	69,148	57,009	66,365
18,500	0,230	0,469	0,514	0,153	0,266	63,151	19,606	25,156	-12,852	24,363	20,241	20,364	20,598	19,954	69,256	57,021	66,355
18,667	0,225	0,477	0,514	0,150	0,263	63,119	19,601	21,520	-12,692	16,305	20,237	20,340	20,579	19,933	69,249	57,025	66,370

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
14,000	54,955	0,401	0,398	5044,733	5373,388	233,535	6,181	509,025	6,261	10,508	4,185	2017-09-14 11:01
14,167	54,964	0,401	0,398	5053,858	5412,942	191,057	6,444	509,025	6,057	10,421	4,168	2017-09-14 11:01
14,334	54,969	0,401	0,399	5045,917	5393,594	157,889	6,936	509,025	6,075	9,988	4,080	2017-09-14 11:01
14,500	54,968	0,401	0,398	5023,926	5364,818	157,420	7,447	509,025	5,908	10,466	4,176	2017-09-14 11:02
14,667	54,968	0,402	0,398	5020,319	5388,002	147,761	7,660	509,025	6,080	10,533	4,190	2017-09-14 11:02
14,834	54,965	0,402	0,397	5014,275	5423,515	131,831	7,380	509,025	6,148	10,003	4,083	2017-09-14 11:02
15,000	54,963	0,401	0,397	5009,304	5355,078	142,324	6,961	509,025	6,203	10,184	4,120	2017-09-14 11:02
15,167	54,963	0,401	0,396	5004,880	5419,333	155,120	6,677	509,025	5,906	10,014	4,085	2017-09-14 11:02
15,334	54,964	0,401	0,397	5024,115	5322,091	123,485	6,674	509,025	6,176	10,149	4,113	2017-09-14 11:02
15,500	54,968	0,401	0,397	5016,172	5425,723	114,761	6,728	509,025	5,991	10,299	4,143	2017-09-14 11:03
15,667	54,976	0,401	0,397	5014,813	5470,329	135,083	6,727	509,025	5,985	10,222	4,128	2017-09-14 11:03
15,834	54,989	0,401	0,397	5028,997	5427,525	131,004	6,641	509,025	6,062	10,373	4,158	2017-09-14 11:03
16,000	54,999	0,402	0,397	5022,798	5472,435	151,340	6,541	508,838	6,204	10,453	4,174	2017-09-14 11:03
16,167	55,006	0,402	0,397	5027,131	5486,466	142,720	6,592	509,025	6,016	9,814	4,044	2017-09-14 11:03
16,333	55,008	0,402	0,397	5025,767	5522,774	110,890	6,997	508,931	5,893	10,429	4,169	2017-09-14 11:03
16,500	55,012	0,401	0,397	5031,773	5445,326	110,619	7,307	509,025	5,969	10,280	4,139	2017-09-14 11:04
16,667	55,007	0,402	0,397	5054,245	5577,782	110,553	7,544	508,931	5,942	10,140	4,111	2017-09-14 11:04
16,833	55,006	0,402	0,397	5058,951	5471,797	100,609	7,633	508,931	6,070	10,036	4,090	2017-09-14 11:04
17,000	55,008	0,401	0,397	5063,400	5522,063	113,621	7,685	508,931	6,184	10,133	4,110	2017-09-14 11:04
17,167	55,011	0,402	0,397	5072,866	5600,985	120,945	7,600	508,931	5,856	10,251	4,133	2017-09-14 11:04
17,333	55,014	0,401	0,397	5097,503	5602,309	102,913	7,763	508,931	6,125	10,054	4,094	2017-09-14 11:04
17,500	55,023	0,401	0,397	5089,898	5535,066	95,790	7,929	508,931	6,157	10,341	4,151	2017-09-14 11:05
17,667	55,027	0,402	0,397	5130,829	5549,221	127,158	7,822	508,931	5,982	10,288	4,141	2017-09-14 11:05
17,833	55,034	0,402	0,397	5154,533	5565,171	131,219	7,537	508,931	5,959	10,103	4,104	2017-09-14 11:05
18,000	55,042	0,401	0,397	5167,527	5625,020	113,962	7,453	508,931	6,036	10,510	4,185	2017-09-14 11:05
18,167	55,050	0,400	0,397	5157,408	5519,953	122,318	7,380	508,931	6,089	10,062	4,095	2017-09-14 11:05
18,333	55,054	0,400	0,397	5142,707	5554,464	181,537	7,013	508,931	6,019	10,079	4,099	2017-09-14 11:05
18,500	55,055	0,400	0,397	5139,146	5603,996	192,849	6,720	508,931	6,113	10,657	4,214	2017-09-14 11:06
18,667	55,056	0,400	0,397	5140,670	5596,764	165,033	6,915	508,932	5,997	10,520	4,187	2017-09-14 11:06

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
18,833	0,222	0,487	0,514	0,146	0,252	63,142	19,590	26,716	-14,952	21,990	20,241	20,341	20,586	19,939	69,380	57,022	66,375
19,000	0,218	0,511	0,514	0,146	0,253	63,176	19,588	19,267	-14,261	22,134	20,224	20,351	20,579	19,935	69,154	57,021	66,396
19,167	0,217	0,513	0,514	0,149	0,260	63,139	19,569	19,359	-14,453	16,628	20,236	20,349	20,582	19,938	69,369	57,023	66,441
19,333	0,218	0,497	0,514	0,150	0,257	63,158	19,367	17,639	-15,601	24,243	20,258	20,360	20,579	19,947	69,499	57,029	66,475
19,500	0,225	0,463	0,514	0,150	0,256	63,176	19,436	16,987	-13,005	9,940	20,236	20,343	20,590	19,939	69,365	57,035	66,482
19,667	0,223	0,445	0,514	0,153	0,241	63,211	19,569	23,692	-12,313	19,508	20,276	20,398	20,626	19,981	69,353	57,040	66,487
19,833	0,223	0,448	0,514	0,149	0,244	63,190	19,495	27,199	-12,751	24,526	20,236	20,331	20,580	19,935	69,255	57,042	66,561
20,000	0,227	0,451	0,514	0,148	0,248	63,182	19,508	21,324	-15,328	24,053	20,228	20,345	20,592	19,935	69,453	57,054	66,584
20,167	0,221	0,469	0,514	0,147	0,261	63,208	19,570	17,595	-13,136	16,917	20,242	20,347	20,600	19,943	69,531	57,062	66,575
20,334	0,220	0,486	0,514	0,151	0,260	63,192	19,573	18,236	-14,696	27,051	20,229	20,352	20,573	19,937	69,480	57,074	66,560
20,500	0,219	0,495	0,514	0,150	0,254	63,187	19,586	16,993	-13,430	9,532	20,234	20,349	20,575	19,941	69,530	57,082	66,532
20,667	0,220	0,507	0,514	0,151	0,249	63,244	19,563	22,231	-16,619	28,067	20,236	20,351	20,588	19,943	69,499	57,092	66,627
20,834	0,219	0,510	0,514	0,151	0,256	63,290	19,471	15,933	-13,627	16,955	20,237	20,327	20,575	19,939	69,424	57,096	66,667
21,000	0,219	0,506	0,514	0,151	0,256	63,249	19,534	17,460	-16,048	24,726	20,236	20,361	20,605	19,953	69,433	57,100	66,695
21,167	0,220	0,504	0,514	0,151	0,257	63,224	19,503	13,124	-16,425	16,927	20,237	20,357	20,579	19,946	69,725	57,112	66,708
21,334	0,221	0,493	0,514	0,152	0,248	63,253	19,419	17,296	-11,900	9,848	20,245	20,356	20,596	19,950	69,608	57,120	66,706
21,500	0,220	0,477	0,514	0,153	0,261	63,257	19,491	19,867	-14,698	29,359	20,228	20,349	20,595	19,945	69,674	57,121	66,703
21,667	0,225	0,462	0,514	0,153	0,253	63,249	19,461	15,234	-14,228	18,441	20,242	20,347	20,594	19,945	69,606	57,127	66,706
21,834	0,227	0,451	0,514	0,150	0,255	63,244	19,427	17,299	-13,181	19,422	20,237	20,345	20,583	19,943	69,544	57,129	66,758
22,000	0,233	0,459	0,514	0,150	0,252	63,220	19,483	20,137	-12,990	13,499	20,227	20,360	20,590	19,945	69,754	57,132	66,764
22,167	0,225	0,462	0,514	0,150	0,258	63,245	19,492	24,456	-12,740	22,265	20,242	20,348	20,595	19,947	69,754	57,131	66,797
22,334	0,219	0,467	0,514	0,153	0,256	63,256	19,517	19,808	-14,154	20,401	20,258	20,344	20,594	19,955	69,744	57,142	66,791
22,500	0,220	0,473	0,514	0,150	0,255	63,185	19,502	15,382	-15,403	23,320	20,237	20,345	20,582	19,939	69,678	57,147	66,807
22,667	0,221	0,467	0,514	0,151	0,247	63,192	19,509	15,889	-13,515	9,361	20,247	20,327	20,583	19,937	69,556	57,156	66,863
22,834	0,220	0,466	0,514	0,155	0,252	63,234	19,513	20,343	-14,713	26,044	20,241	20,351	20,596	19,942	69,422	57,166	66,881
23,000	0,217	0,471	0,514	0,145	0,247	63,239	19,532	16,441	-14,307	12,192	20,250	20,339	20,590	19,947	69,624	57,176	66,884
23,167	0,214	0,475	0,514	0,151	0,256	63,230	19,500	22,872	-10,436	18,240	20,238	20,346	20,598	19,947	69,651	57,190	66,863
23,333	0,215	0,468	0,513	0,152	0,257	63,177	19,541	23,615	-13,998	31,429	20,245	20,328	20,579	19,942	69,678	57,194	66,807
23,500	0,220	0,450	0,513	0,155	0,255	63,170	19,532	17,851	-13,472	14,754	20,246	20,344	20,580	19,942	69,468	57,198	66,777

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
18,833	55,058	0,400	0,397	5143,027	5654,945	147,258	7,173	508,838	5,822	10,065	4,096	2017-09-14 11:06
19,000	55,063	0,400	0,397	5151,709	5555,664	118,148	7,764	508,931	5,830	10,129	4,109	2017-09-14 11:06
19,167	55,071	0,400	0,397	5172,174	5652,327	113,816	7,827	508,931	5,979	10,385	4,160	2017-09-14 11:06
19,333	55,074	0,400	0,397	5180,192	5707,028	123,346	7,429	508,931	6,014	10,286	4,140	2017-09-14 11:06
19,500	55,078	0,400	0,397	5185,038	5642,290	161,381	6,573	508,931	6,014	10,232	4,130	2017-09-14 11:07
19,667	55,089	0,400	0,397	5180,950	5637,481	150,141	6,123	508,931	6,113	9,628	4,006	2017-09-14 11:07
19,833	55,090	0,400	0,397	5214,566	5586,588	149,648	6,189	508,838	5,951	9,757	4,033	2017-09-14 11:07
20,000	55,097	0,400	0,397	5221,403	5677,245	179,212	6,287	508,839	5,909	9,926	4,067	2017-09-14 11:07
20,167	55,105	0,400	0,397	5213,088	5707,795	137,303	6,735	508,838	5,882	10,431	4,170	2017-09-14 11:07
20,334	55,102	0,400	0,397	5207,096	5678,564	132,699	7,143	508,838	6,030	10,384	4,160	2017-09-14 11:07
20,500	55,105	0,400	0,397	5196,002	5702,646	124,934	7,383	508,838	6,018	10,169	4,117	2017-09-14 11:08
20,667	55,102	0,400	0,397	5240,240	5673,907	134,124	7,683	508,838	6,023	9,954	4,073	2017-09-14 11:08
20,834	55,101	0,400	0,397	5258,310	5643,055	126,188	7,745	508,838	6,020	10,250	4,133	2017-09-14 11:08
21,000	55,101	0,400	0,397	5274,019	5648,691	127,224	7,656	508,838	6,042	10,225	4,128	2017-09-14 11:08
21,167	55,105	0,400	0,397	5273,287	5781,586	130,983	7,591	508,838	6,022	10,295	4,142	2017-09-14 11:08
21,334	55,107	0,400	0,397	5278,914	5715,858	138,353	7,313	508,838	6,082	9,903	4,063	2017-09-14 11:08
21,500	55,111	0,400	0,397	5274,493	5747,565	132,682	6,916	508,838	6,126	10,426	4,168	2017-09-14 11:09
21,667	55,118	0,400	0,397	5265,947	5708,931	161,816	6,562	508,838	6,127	10,123	4,108	2017-09-14 11:09
21,834	55,123	0,399	0,396	5278,657	5674,644	178,604	6,283	508,838	5,990	10,206	4,124	2017-09-14 11:09
22,000	55,127	0,400	0,396	5280,433	5774,314	213,199	6,473	508,838	6,016	10,075	4,098	2017-09-14 11:09
22,167	55,131	0,400	0,396	5289,374	5778,188	163,587	6,562	508,838	5,996	10,327	4,149	2017-09-14 11:09
22,334	55,138	0,400	0,396	5288,638	5763,275	129,638	6,676	508,838	6,130	10,247	4,133	2017-09-14 11:09
22,500	55,131	0,399	0,396	5289,742	5729,702	132,724	6,823	508,838	5,983	10,189	4,121	2017-09-14 11:10
22,667	55,135	0,400	0,396	5315,800	5675,715	141,476	6,665	508,838	6,034	9,874	4,057	2017-09-14 11:10
22,834	55,135	0,400	0,396	5324,917	5612,577	133,311	6,644	508,838	6,195	10,089	4,101	2017-09-14 11:10
23,000	55,143	0,400	0,396	5325,553	5702,569	112,805	6,787	508,838	5,807	9,875	4,057	2017-09-14 11:10
23,167	55,142	0,400	0,396	5313,066	5698,490	94,949	6,868	508,838	6,039	10,245	4,132	2017-09-14 11:10
23,333	55,149	0,400	0,396	5286,873	5713,383	99,748	6,693	508,743	6,074	10,297	4,143	2017-09-14 11:10
23,500	55,151	0,400	0,396	5267,682	5621,885	132,894	6,245	508,743	6,201	10,213	4,126	2017-09-14 11:11

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
23,667	0,226	0,426	0,514	0,154	0,257	63,162	19,546	17,923	-13,421	26,512	20,241	20,336	20,592	19,942	69,494	57,193	66,820
23,833	0,230	0,412	0,514	0,156	0,247	63,156	19,525	19,557	-11,942	11,747	20,265	20,350	20,607	19,958	69,500	57,201	66,846
24,000	0,227	0,406	0,514	0,150	0,252	63,144	19,400	22,158	-14,353	31,107	20,245	20,343	20,595	19,947	69,345	57,195	66,840
24,167	0,230	0,406	0,513	0,155	0,260	63,098	19,338	16,853	-14,817	16,067	20,244	20,333	20,598	19,950	69,513	57,203	66,800
24,333	0,230	0,405	0,513	0,151	0,250	63,120	19,406	16,524	-13,431	18,517	20,240	20,336	20,590	19,951	69,585	57,205	66,766
24,500	0,230	0,404	0,513	0,149	0,262	63,132	19,451	17,641	-15,100	18,174	20,248	20,338	20,591	19,943	69,453	57,205	66,727
24,667	0,227	0,409	0,513	0,149	0,249	63,104	19,495	18,418	-13,337	17,256	20,256	20,361	20,598	19,958	69,542	57,205	66,708
24,833	0,226	0,421	0,513	0,146	0,249	63,099	19,461	15,730	-15,059	25,583	20,248	20,347	20,600	19,949	69,457	57,194	66,737
25,000	0,223	0,437	0,513	0,157	0,249	63,143	19,459	10,327	-14,991	19,563	20,244	20,339	20,584	19,947	69,412	57,176	66,739
25,167	0,227	0,446	0,513	0,152	0,258	63,103	19,448	17,667	-11,340	9,330	20,233	20,338	20,570	19,949	69,465	57,164	66,758
25,333	0,224	0,450	0,513	0,151	0,244	63,085	19,468	22,312	-13,642	29,338	20,240	20,329	20,590	19,945	69,525	57,159	66,774
25,500	0,215	0,458	0,513	0,149	0,248	63,117	19,465	15,174	-13,899	16,809	20,257	20,334	20,605	19,949	69,516	57,158	66,770
25,667	0,213	0,479	0,513	0,148	0,248	63,153	19,474	20,470	-13,147	16,951	20,250	20,336	20,608	19,947	69,578	57,159	66,769
25,833	0,212	0,497	0,513	0,148	0,251	63,222	19,451	18,129	-14,430	24,329	20,244	20,347	20,611	19,950	69,434	57,162	66,777
26,000	0,212	0,499	0,513	0,154	0,251	63,238	19,460	20,057	-12,212	12,425	20,241	20,339	20,594	19,953	69,496	57,167	66,770
26,167	0,214	0,479	0,513	0,149	0,253	63,237	19,466	23,590	-14,780	27,910	20,235	20,338	20,609	19,953	69,493	57,163	66,770
26,333	0,215	0,465	0,513	0,149	0,256	63,266	19,497	12,934	-13,855	21,301	20,264	20,351	20,611	19,962	69,605	57,163	66,768
26,500	0,216	0,459	0,513	0,151	0,249	63,222	19,389	14,647	-12,637	12,970	20,265	20,350	20,616	19,954	69,548	57,163	66,741
26,667	0,223	0,445	0,513	0,150	0,255	63,219	19,421	18,031	-14,492	22,257	20,248	20,333	20,606	19,954	69,465	57,152	66,760
26,833	0,223	0,429	0,513	0,152	0,254	63,189	19,486	15,534	-12,295	15,537	20,250	20,329	20,603	19,949	69,552	57,150	66,774
27,000	0,222	0,417	0,513	0,150	0,252	63,158	19,506	18,581	-13,904	20,140	20,253	20,323	20,594	19,947	69,376	57,146	66,788
27,167	0,220	0,416	0,513	0,149	0,251	63,144	19,562	18,823	-12,940	14,063	20,246	20,338	20,605	19,951	69,341	57,139	66,796
27,334	0,221	0,423	0,513	0,147	0,257	63,124	19,523	18,452	-14,653	24,596	20,256	20,338	20,608	19,961	69,418	57,132	66,754
27,500	0,222	0,435	0,513	0,148	0,243	63,088	19,523	16,927	-12,775	12,488	20,255	20,334	20,598	19,950	69,524	57,131	66,730
27,667	0,223	0,445	0,513	0,154	0,247	63,060	19,489	18,942	-13,533	28,745	20,256	20,331	20,603	19,951	69,493	57,128	66,699
27,834	0,222	0,448	0,513	0,155	0,256	63,031	19,473	15,391	-14,947	15,107	20,274	20,342	20,623	19,962	69,290	57,125	66,702
28,000	0,225	0,441	0,513	0,149	0,249	63,001	19,503	14,330	-14,867	22,780	20,279	20,341	20,620	19,971	69,334	57,124	66,702
28,167	0,229	0,422	0,513	0,152	0,255	62,999	19,473	15,363	-12,486	10,151	20,263	20,340	20,611	19,955	69,230	57,116	66,692
28,334	0,232	0,405	0,513	0,153	0,248	63,018	19,455	20,497	-14,337	26,521	20,273	20,347	20,624	19,962	69,089	57,105	66,648

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
23,667	55,153	0,400	0,396	5287,778	5637,014	170,457	5,656	508,838	6,165	10,291	4,141	2017-09-14 11:11
23,833	55,149	0,400	0,396	5305,452	5625,372	194,527	5,297	508,838	6,228	9,895	4,061	2017-09-14 11:11
24,000	55,133	0,400	0,396	5310,018	5563,484	173,577	5,162	508,838	5,983	10,070	4,097	2017-09-14 11:11
24,167	55,118	0,400	0,396	5295,322	5636,374	192,227	5,151	508,743	6,210	10,382	4,160	2017-09-14 11:11
24,333	55,106	0,400	0,396	5289,430	5674,294	193,058	5,128	508,744	6,048	9,994	4,081	2017-09-14 11:11
24,500	55,099	0,400	0,396	5275,890	5612,305	192,665	5,110	508,743	5,950	10,475	4,178	2017-09-14 11:12
24,667	55,097	0,400	0,396	5266,027	5652,202	173,778	5,235	508,743	5,961	9,970	4,076	2017-09-14 11:12
24,833	55,097	0,400	0,396	5280,250	5611,027	172,096	5,521	508,743	5,856	9,948	4,072	2017-09-14 11:12
25,000	55,097	0,400	0,396	5279,253	5601,580	152,195	5,922	508,743	6,274	9,963	4,075	2017-09-14 11:12
25,167	55,099	0,400	0,396	5286,277	5633,519	178,375	6,145	508,743	6,064	10,329	4,149	2017-09-14 11:12
25,333	55,098	0,400	0,396	5293,697	5660,590	156,409	6,246	508,743	6,030	9,747	4,031	2017-09-14 11:12
25,500	55,097	0,400	0,396	5293,320	5658,640	101,905	6,443	508,743	5,950	9,939	4,070	2017-09-14 11:13
25,667	55,095	0,400	0,396	5292,159	5687,865	86,163	6,964	508,743	5,929	9,909	4,064	2017-09-14 11:13
25,833	55,087	0,400	0,396	5299,802	5619,121	81,531	7,419	508,743	5,912	10,053	4,093	2017-09-14 11:13
26,000	55,079	0,400	0,396	5298,719	5646,793	84,040	7,467	508,708	6,150	10,035	4,090	2017-09-14 11:13
26,167	55,068	0,400	0,396	5302,439	5641,881	94,303	6,979	508,744	5,955	10,114	4,106	2017-09-14 11:13
26,333	55,063	0,400	0,395	5300,570	5692,518	100,144	6,614	508,744	5,973	10,248	4,133	2017-09-14 11:13
26,500	55,059	0,400	0,395	5291,562	5671,538	108,156	6,464	508,743	6,047	9,970	4,076	2017-09-14 11:14
26,667	55,055	0,400	0,396	5304,810	5634,172	148,936	6,134	508,747	6,010	10,202	4,123	2017-09-14 11:14
26,833	55,055	0,400	0,396	5317,463	5679,009	149,603	5,734	508,744	6,099	10,177	4,118	2017-09-14 11:14
27,000	55,054	0,400	0,395	5314,502	5599,352	146,465	5,430	508,743	6,004	10,093	4,101	2017-09-14 11:14
27,167	55,055	0,399	0,396	5323,543	5577,268	132,262	5,393	508,743	5,960	10,042	4,091	2017-09-14 11:14
27,334	55,054	0,399	0,395	5297,034	5614,047	141,077	5,586	508,743	5,889	10,274	4,138	2017-09-14 11:14
27,500	55,040	0,400	0,395	5293,840	5675,592	143,387	5,869	508,743	5,922	9,714	4,024	2017-09-14 11:15
27,667	55,018	0,400	0,396	5299,135	5662,318	154,269	6,116	508,743	6,150	9,867	4,055	2017-09-14 11:15
27,834	54,995	0,400	0,396	5309,367	5574,917	147,643	6,197	508,743	6,187	10,258	4,135	2017-09-14 11:15
28,000	54,977	0,400	0,396	5316,445	5589,901	161,875	6,025	508,743	5,968	9,954	4,073	2017-09-14 11:15
28,167	54,957	0,399	0,395	5315,060	5537,234	187,422	5,550	508,743	6,069	10,199	4,123	2017-09-14 11:15
28,334	54,948	0,401	0,396	5302,881	5494,687	206,070	5,117	508,743	6,106	9,916	4,065	2017-09-14 11:15

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
28,500	0,235	0,407	0,513	0,152	0,259	62,999	19,478	19,206	-11,460	12,510	20,261	20,347	20,613	19,957	69,441	57,093	66,638
28,667	0,228	0,421	0,513	0,151	0,259	63,041	19,459	21,459	-14,306	28,989	20,260	20,346	20,610	19,959	69,352	57,076	66,640
28,834	0,222	0,440	0,513	0,149	0,244	63,089	19,566	17,163	-12,313	9,916	20,256	20,350	20,612	19,963	69,396	57,064	66,618
29,000	0,219	0,465	0,513	0,150	0,247	63,074	19,538	22,591	-13,658	28,246	20,263	20,333	20,621	19,955	69,367	57,054	66,595
29,167	0,224	0,480	0,513	0,150	0,246	63,118	19,537	19,925	-12,643	17,812	20,273	20,346	20,627	19,965	69,283	57,040	66,599
29,334	0,221	0,482	0,513	0,150	0,242	63,118	19,522	21,407	-14,327	24,492	20,273	20,333	20,610	19,962	69,174	57,029	66,607
29,500	0,217	0,477	0,513	0,154	0,246	63,118	19,483	21,326	-13,473	16,824	20,249	20,329	20,611	19,953	69,218	57,018	66,599
29,667	0,216	0,480	0,513	0,149	0,249	63,133	19,490	25,041	-13,343	19,206	20,250	20,346	20,612	19,957	69,272	57,010	66,590
29,833	0,220	0,487	0,513	0,147	0,254	63,099	19,482	22,481	-15,195	25,336	20,262	20,330	20,615	19,955	69,344	57,006	66,564
30,000	0,223	0,478	0,513	0,151	0,250	63,062	19,448	13,005	-14,146	22,975	20,266	20,334	20,612	19,959	69,331	57,003	66,549
30,167	0,223	0,449	0,513	0,152	0,257	63,040	19,502	11,112	-15,229	19,203	20,274	20,341	20,621	19,967	69,247	56,994	66,541
30,333	0,224	0,423	0,513	0,153	0,256	62,992	19,489	13,828	-13,977	10,453	20,252	20,326	20,609	19,955	69,368	56,988	66,520
30,500	0,228	0,412	0,513	0,150	0,253	62,962	19,499	22,704	-11,218	17,389	20,254	20,326	20,608	19,950	69,345	56,980	66,549
30,667	0,232	0,409	0,513	0,149	0,253	62,966	19,444	27,037	-11,981	20,938	20,269	20,330	20,603	19,955	69,427	56,971	66,576
30,833	0,228	0,412	0,513	0,154	0,245	63,017	19,466	25,727	-13,088	23,237	20,263	20,326	20,605	19,951	69,397	56,968	66,583
31,000	0,228	0,415	0,513	0,144	0,256	63,022	19,378	23,957	-13,407	19,977	20,256	20,326	20,607	19,957	69,348	56,963	66,590
31,167	0,229	0,421	0,513	0,152	0,258	62,993	19,336	21,960	-12,468	17,045	20,260	20,337	20,611	19,955	69,393	56,962	66,601
31,333	0,235	0,427	0,513	0,148	0,252	62,979	19,412	20,233	-14,743	28,510	20,262	20,321	20,609	19,955	69,155	56,960	66,598
31,500	0,231	0,434	0,513	0,151	0,252	63,012	19,444	11,995	-15,094	20,607	20,246	20,327	20,607	19,955	69,187	56,962	66,596
31,667	0,234	0,442	0,513	0,152	0,253	62,999	19,452	16,517	-13,535	13,016	20,245	20,329	20,610	19,958	69,248	56,960	66,587
31,833	0,234	0,439	0,513	0,149	0,253	62,946	19,420	18,932	-15,615	24,781	20,250	20,330	20,609	19,957	69,061	56,954	66,567
32,000	0,235	0,445	0,513	0,159	0,249	62,974	19,436	17,585	-12,391	13,010	20,252	20,331	20,617	19,955	69,047	56,951	66,543
32,167	0,234	0,443	0,513	0,149	0,258	62,935	19,471	17,483	-13,790	29,333	20,254	20,339	20,623	19,959	69,098	56,946	66,524
32,333	0,225	0,442	0,513	0,147	0,250	62,960	19,444	11,626	-14,777	21,338	20,257	20,316	20,612	19,954	69,074	56,946	66,489
32,500	0,224	0,450	0,513	0,147	0,249	63,008	19,446	13,907	-13,357	14,247	20,250	20,330	20,609	19,955	69,003	56,936	66,450
32,667	0,227	0,448	0,513	0,148	0,248	62,952	19,450	14,785	-13,761	23,317	20,258	20,337	20,613	19,961	69,138	56,931	66,412
32,833	0,230	0,433	0,513	0,152	0,247	62,963	19,464	11,621	-15,274	20,982	20,269	20,334	20,617	19,961	68,900	56,923	66,385
33,000	0,228	0,423	0,513	0,148	0,261	62,890	19,456	9,900	-14,553	19,537	20,258	20,324	20,624	19,955	68,934	56,911	66,363
33,167	0,229	0,417	0,513	0,150	0,250	62,873	19,442	14,368	-12,057	12,720	20,269	20,325	20,625	19,963	68,970	56,899	66,351

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
28,500	54,944	0,400	0,396	5305,189	5648,206	224,317	5,170	508,743	6,074	10,344	4,152	2017-09-14 11:16
28,667	54,935	0,400	0,396	5310,392	5618,446	179,862	5,522	508,650	6,042	10,343	4,152	2017-09-14 11:16
28,834	54,932	0,400	0,396	5299,292	5641,770	143,873	5,995	508,743	5,960	9,778	4,037	2017-09-14 11:16
29,000	54,928	0,400	0,396	5292,106	5636,555	127,964	6,614	508,650	6,009	9,890	4,060	2017-09-14 11:16
29,167	54,932	0,399	0,396	5288,191	5598,476	158,206	7,004	508,743	6,005	9,849	4,051	2017-09-14 11:16
29,334	54,922	0,399	0,396	5295,285	5552,637	138,558	7,040	508,743	5,999	9,673	4,015	2017-09-14 11:16
29,500	54,914	0,399	0,395	5293,271	5578,479	115,278	6,922	508,743	6,146	9,841	4,050	2017-09-14 11:17
29,667	54,906	0,400	0,395	5292,119	5609,745	107,061	7,005	508,650	5,948	9,947	4,072	2017-09-14 11:17
29,833	54,902	0,400	0,396	5288,786	5643,963	131,424	7,170	508,650	5,887	10,162	4,115	2017-09-14 11:17
30,000	54,894	0,399	0,396	5284,349	5636,487	152,393	6,943	508,650	6,039	9,995	4,082	2017-09-14 11:17
30,167	54,892	0,400	0,396	5281,906	5605,432	151,566	6,218	508,650	6,100	10,266	4,136	2017-09-14 11:17
30,333	54,889	0,400	0,396	5273,864	5663,974	155,131	5,566	508,650	6,119	10,247	4,132	2017-09-14 11:17
30,500	54,886	0,400	0,396	5290,535	5660,126	182,565	5,307	508,650	6,007	10,111	4,105	2017-09-14 11:18
30,667	54,882	0,400	0,396	5302,596	5697,388	205,649	5,236	508,650	5,972	10,126	4,108	2017-09-14 11:18
30,833	54,878	0,399	0,396	5306,108	5680,102	185,306	5,303	508,650	6,162	9,813	4,044	2017-09-14 11:18
31,000	54,880	0,399	0,396	5307,702	5660,658	182,367	5,382	508,650	5,772	10,221	4,127	2017-09-14 11:18
31,167	54,878	0,399	0,396	5312,893	5678,396	186,554	5,531	508,650	6,068	10,338	4,151	2017-09-14 11:18
31,333	54,870	0,399	0,396	5316,491	5569,470	225,749	5,666	508,650	5,937	10,082	4,099	2017-09-14 11:18
31,500	54,866	0,399	0,396	5316,859	5589,672	199,986	5,858	508,650	6,036	10,060	4,095	2017-09-14 11:19
31,667	54,865	0,400	0,396	5314,582	5622,934	217,181	6,039	508,650	6,100	10,121	4,107	2017-09-14 11:19
31,833	54,856	0,400	0,396	5311,688	5537,147	223,081	5,971	508,650	5,953	10,126	4,108	2017-09-14 11:19
32,000	54,854	0,400	0,396	5307,744	5537,892	227,663	6,133	508,650	6,373	9,949	4,072	2017-09-14 11:19
32,167	54,846	0,400	0,396	5300,615	5559,826	222,136	6,074	508,649	5,956	10,331	4,149	2017-09-14 11:19
32,333	54,846	0,400	0,396	5282,167	5548,723	163,091	6,049	508,650	5,863	9,984	4,079	2017-09-14 11:19
32,500	54,849	0,400	0,397	5272,135	5520,083	159,522	6,255	508,650	5,872	9,940	4,070	2017-09-14 11:20
32,667	54,862	0,400	0,396	5234,957	5585,380	178,389	6,198	508,650	5,906	9,926	4,067	2017-09-14 11:20
32,833	54,880	0,399	0,395	5210,327	5472,627	197,887	5,830	508,650	6,098	9,883	4,059	2017-09-14 11:20
33,000	54,904	0,400	0,396	5194,876	5499,810	182,183	5,567	508,650	5,940	10,454	4,174	2017-09-14 11:20
33,167	54,916	0,399	0,396	5188,847	5520,305	189,858	5,430	508,650	5,996	10,004	4,083	2017-09-14 11:20

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
33,333	0,233	0,417	0,513	0,147	0,255	62,860	19,442	15,139	-13,569	25,267	20,271	20,331	20,616	19,959	68,747	56,896	66,344
33,500	0,236	0,415	0,513	0,148	0,258	62,865	19,446	16,927	-11,390	9,034	20,262	20,329	20,603	19,954	68,890	56,897	66,313
33,667	0,238	0,413	0,513	0,154	0,246	62,841	19,436	26,795	-11,506	16,959	20,271	20,322	20,619	19,957	68,926	56,907	66,292
33,834	0,241	0,414	0,513	0,148	0,249	62,844	19,422	29,053	-10,939	21,960	20,273	20,324	20,629	19,965	69,020	56,915	66,260
34,000	0,242	0,414	0,513	0,151	0,258	62,823	19,421	28,132	-12,614	28,079	20,250	20,318	20,611	19,954	68,898	56,919	66,261
34,167	0,241	0,417	0,513	0,147	0,254	62,841	19,443	19,729	-14,224	26,872	20,267	20,330	20,616	19,961	68,739	56,923	66,280
34,334	0,238	0,425	0,513	0,148	0,254	62,812	19,435	19,725	-13,440	17,246	20,260	20,326	20,613	19,957	68,743	56,923	66,285
34,500	0,229	0,425	0,512	0,150	0,250	62,770	19,447	22,064	-13,093	21,550	20,253	20,308	20,620	19,955	68,855	56,916	66,272
34,667	0,227	0,419	0,513	0,151	0,255	62,827	19,457	21,750	-13,388	17,261	20,249	20,321	20,619	19,958	68,875	56,921	66,247
34,834	0,225	0,410	0,513	0,148	0,249	62,808	19,455	21,783	-14,920	25,778	20,261	20,325	20,613	19,957	68,871	56,928	66,212
35,000	0,232	0,408	0,513	0,150	0,247	62,788	19,451	14,987	-14,372	19,550	20,252	20,316	20,617	19,959	68,861	56,920	66,190
35,167	0,236	0,406	0,513	0,153	0,263	62,778	19,448	17,451	-13,013	12,387	20,265	20,316	20,625	19,958	68,919	56,920	66,192
35,334	0,235	0,400	0,512	0,152	0,257	62,758	19,448	25,767	-12,718	18,595	20,253	20,317	20,610	19,959	68,839	56,920	66,191
35,500	0,236	0,398	0,512	0,155	0,256	62,738	19,439	25,796	-12,536	22,478	20,250	20,321	20,627	19,959	68,886	56,924	66,200
35,667	0,233	0,406	0,513	0,146	0,251	62,720	19,423	23,614	-13,114	21,100	20,267	20,314	20,610	19,958	68,727	56,932	66,206
35,834	0,232	0,417	0,512	0,148	0,248	62,681	19,414	20,632	-20,371	14,751	20,260	20,322	20,625	19,959	68,626	56,939	66,196
36,000	0,239	0,413	0,513	0,150	0,256	62,725	19,391	26,553	-13,821	23,819	20,261	20,322	20,623	19,959	68,603	56,944	66,179
36,167	0,239	0,404	0,513	0,155	0,251	62,710	19,433	18,805	-14,624	27,380	20,287	20,330	20,624	19,967	68,573	56,948	66,175
36,334	0,240	0,394	0,512	0,155	0,253	62,642	19,442	13,719	-13,520	16,764	20,271	20,316	20,604	19,962	68,449	56,950	66,152
36,500	0,235	0,385	0,513	0,150	0,253	62,667	19,455	21,474	-12,031	13,855	20,269	20,322	20,632	19,962	68,480	56,950	66,114
36,667	0,236	0,386	0,512	0,150	0,246	62,683	19,408	24,939	-14,202	26,424	20,270	20,325	20,610	19,963	68,514	56,952	66,071
36,833	0,235	0,396	0,512	0,148	0,249	62,671	19,429	18,543	-13,871	19,703	20,290	20,329	20,636	19,975	68,413	56,955	66,052
37,000	0,233	0,410	0,512	0,153	0,253	62,639	19,395	20,386	-12,028	15,089	20,277	20,332	20,640	19,963	68,422	56,950	66,028
37,167	0,230	0,412	0,512	0,151	0,251	62,650	19,410	24,474	-14,478	22,487	20,274	20,333	20,625	19,963	68,313	56,951	65,991
37,333	0,230	0,401	0,512	0,157	0,254	62,573	19,438	18,391	-13,734	20,552	20,277	20,324	20,632	19,962	68,491	56,940	65,966
37,500	0,230	0,394	0,512	0,151	0,255	62,605	19,426	17,515	-12,419	12,112	20,265	20,322	20,623	19,965	68,391	56,943	65,940
37,667	0,232	0,401	0,512	0,151	0,248	62,602	19,468	26,414	-13,297	21,590	20,274	20,319	20,632	19,970	68,362	56,948	65,912
37,833	0,228	0,412	0,512	0,157	0,259	62,559	19,529	20,991	-15,641	24,896	20,271	20,304	20,624	19,961	68,284	56,946	65,904
38,000	0,226	0,415	0,512	0,151	0,256	62,511	19,497	9,767	-22,183	2,664	20,261	20,318	20,604	19,963	68,189	56,946	65,894

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
33,333	54,918	0,400	0,396	5186,742	5424,800	213,842	5,418	508,650	5,861	10,198	4,123	2017-09-14 11:20
33,500	54,925	0,400	0,396	5166,617	5489,868	230,822	5,379	508,650	5,939	10,327	4,149	2017-09-14 11:21
33,667	54,925	0,399	0,396	5152,723	5492,023	243,622	5,314	508,650	6,170	9,824	4,046	2017-09-14 11:21
33,834	54,922	0,399	0,396	5138,107	5530,803	262,870	5,351	508,650	5,913	9,980	4,078	2017-09-14 11:21
34,000	54,924	0,399	0,396	5140,601	5475,775	271,918	5,351	508,650	6,050	10,325	4,148	2017-09-14 11:21
34,167	54,922	0,399	0,396	5152,542	5402,353	265,219	5,434	508,650	5,880	10,149	4,113	2017-09-14 11:21
34,334	54,925	0,399	0,396	5149,667	5397,531	246,756	5,617	508,650	5,925	10,162	4,115	2017-09-14 11:21
34,500	54,931	0,399	0,396	5141,622	5458,990	188,260	5,627	508,556	6,019	9,986	4,080	2017-09-14 11:22
34,667	54,943	0,400	0,396	5123,799	5466,898	178,204	5,472	508,649	6,059	10,209	4,125	2017-09-14 11:22
34,834	54,957	0,400	0,396	5105,775	5462,506	164,574	5,260	508,650	5,917	9,978	4,078	2017-09-14 11:22
35,000	54,972	0,400	0,396	5086,538	5465,569	205,128	5,194	508,649	6,017	9,878	4,058	2017-09-14 11:22
35,167	54,980	0,399	0,396	5087,338	5483,620	231,458	5,142	508,650	6,122	10,539	4,191	2017-09-14 11:22
35,334	54,988	0,399	0,395	5074,667	5448,901	225,360	4,999	508,556	6,074	10,285	4,140	2017-09-14 11:22
35,500	54,991	0,399	0,396	5079,637	5466,366	233,959	4,953	508,556	6,201	10,224	4,128	2017-09-14 11:23
35,667	54,992	0,399	0,395	5075,793	5387,487	212,887	5,161	508,650	5,844	10,037	4,090	2017-09-14 11:23
35,834	54,993	0,399	0,396	5077,092	5342,889	209,839	5,416	508,556	5,901	9,927	4,068	2017-09-14 11:23
36,000	54,995	0,400	0,396	5071,274	5334,355	248,851	5,328	508,650	6,010	10,234	4,130	2017-09-14 11:23
36,167	54,997	0,400	0,396	5071,962	5316,174	254,538	5,095	508,650	6,212	10,030	4,089	2017-09-14 11:23
36,334	55,000	0,399	0,396	5057,405	5258,337	254,948	4,852	508,556	6,206	10,108	4,105	2017-09-14 11:23
36,500	55,008	0,399	0,396	5035,032	5269,258	226,416	4,632	508,650	5,990	10,104	4,104	2017-09-14 11:24
36,667	55,016	0,399	0,396	5012,310	5283,942	230,495	4,652	508,556	6,020	9,855	4,053	2017-09-14 11:24
36,833	55,030	0,399	0,396	5001,132	5234,373	224,849	4,893	508,556	5,908	9,972	4,077	2017-09-14 11:24
37,000	55,038	0,399	0,396	4985,655	5241,964	211,921	5,244	508,556	6,124	10,112	4,105	2017-09-14 11:24
37,167	55,047	0,400	0,396	4965,371	5196,004	194,732	5,304	508,555	6,036	10,055	4,094	2017-09-14 11:24
37,333	55,052	0,399	0,396	4948,452	5271,983	193,061	5,037	508,556	6,281	10,164	4,116	2017-09-14 11:24
37,500	55,058	0,399	0,396	4930,950	5227,379	198,082	4,854	508,556	6,043	10,194	4,122	2017-09-14 11:25
37,667	55,055	0,399	0,396	4923,567	5211,643	207,956	5,016	508,556	6,046	9,922	4,067	2017-09-14 11:25
37,833	55,058	0,399	0,396	4921,031	5175,592	180,491	5,288	508,556	6,261	10,371	4,158	2017-09-14 11:25
38,000	55,055	0,399	0,396	4918,463	5137,807	172,760	5,385	508,556	6,024	10,260	4,135	2017-09-14 11:25

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
38,167	0,229	0,409	0,512	0,155	0,256	62,521	19,426	19,505	-13,021	13,717	20,282	20,312	20,628	19,966	68,378	56,944	65,873
38,333	0,235	0,402	0,512	0,150	0,246	62,472	19,458	22,506	-14,139	24,097	20,265	20,325	20,629	19,965	68,418	56,947	65,853
38,500	0,231	0,396	0,512	0,151	0,249	62,500	19,526	15,821	-14,751	26,155	20,290	20,329	20,640	19,973	68,358	56,942	65,831
38,667	0,232	0,405	0,512	0,154	0,250	62,467	19,473	15,523	-14,126	13,798	20,273	20,321	20,616	19,965	68,434	56,944	65,824
38,833	0,235	0,421	0,512	0,151	0,255	62,482	19,444	16,601	-14,329	27,413	20,281	20,328	20,627	19,965	68,393	56,940	65,842
39,000	0,237	0,418	0,512	0,153	0,260	62,443	19,473	16,240	-13,916	12,949	20,266	20,313	20,636	19,970	68,340	56,936	65,853
39,167	0,240	0,402	0,512	0,152	0,255	62,451	19,492	23,044	-11,758	17,417	20,291	20,324	20,644	19,978	68,176	56,943	65,861
39,333	0,244	0,390	0,512	0,149	0,246	62,434	19,490	26,845	-13,624	24,098	20,278	20,325	20,636	19,965	68,284	56,939	65,842
39,500	0,236	0,389	0,512	0,151	0,247	62,403	19,499	18,620	-14,386	25,574	20,265	20,308	20,641	19,967	68,133	56,952	65,826
39,667	0,230	0,401	0,512	0,152	0,258	62,391	19,497	16,545	-15,222	14,904	20,262	20,326	20,625	19,967	68,242	56,955	65,788
39,833	0,228	0,408	0,512	0,149	0,252	62,405	19,494	16,281	-15,368	25,960	20,265	20,321	20,636	19,967	68,088	56,960	65,754
40,000	0,230	0,403	0,512	0,146	0,262	62,407	19,471	13,924	-13,909	17,019	20,276	20,340	20,637	19,973	68,148	56,964	65,733
40,167	0,229	0,388	0,512	0,151	0,248	62,371	19,481	15,126	-14,797	16,049	20,281	20,332	20,656	19,975	68,123	56,960	65,702
40,333	0,233	0,374	0,512	0,150	0,257	62,317	19,473	21,282	-12,008	13,465	20,278	20,329	20,625	19,969	68,067	56,960	65,687
40,500	0,234	0,365	0,512	0,147	0,257	62,334	19,482	22,321	-14,247	30,281	20,275	20,318	20,633	19,963	68,016	56,950	65,665
40,667	0,239	0,361	0,512	0,150	0,256	62,356	19,472	11,886	-15,494	22,007	20,281	20,323	20,640	19,974	68,071	56,948	65,656
40,834	0,239	0,364	0,512	0,150	0,245	62,346	19,469	17,124	-12,809	12,923	20,279	20,319	20,636	19,971	68,052	56,940	65,649
41,000	0,237	0,373	0,512	0,148	0,259	62,342	19,439	21,238	-11,684	16,157	20,274	20,317	20,631	19,970	67,987	56,936	65,613
41,167	0,240	0,385	0,512	0,151	0,254	62,357	19,429	21,525	-14,653	28,583	20,266	20,312	20,636	19,967	68,061	56,923	65,575
41,334	0,241	0,397	0,512	0,148	0,258	62,319	19,442	11,960	-14,664	20,141	20,290	20,328	20,636	19,971	68,001	56,920	65,574
41,500	0,244	0,399	0,512	0,153	0,262	62,283	19,458	13,855	-12,617	12,342	20,278	20,326	20,638	19,970	68,156	56,916	65,562
41,667	0,243	0,395	0,512	0,151	0,262	62,262	19,455	17,657	-14,203	20,499	20,274	20,323	20,650	19,974	68,127	56,912	65,564
41,834	0,242	0,397	0,512	0,154	0,250	62,300	19,476	15,174	-13,342	19,885	20,281	20,310	20,633	19,975	68,071	56,917	65,566
42,000	0,239	0,406	0,512	0,150	0,249	62,254	19,447	19,307	-12,188	17,417	20,273	20,326	20,625	19,970	67,959	56,919	65,572
42,167	0,240	0,419	0,512	0,151	0,252	62,259	19,437	22,109	-11,840	17,095	20,273	20,312	20,637	19,970	67,995	56,917	65,575
42,334	0,238	0,432	0,512	0,148	0,254	62,246	19,465	26,001	-14,516	25,936	20,279	20,312	20,628	19,969	67,998	56,915	65,554
42,500	0,236	0,434	0,512	0,152	0,246	62,250	19,455	16,413	-15,293	23,434	20,268	20,316	20,628	19,969	67,986	56,916	65,539
42,667	0,237	0,435	0,512	0,148	0,245	62,254	19,479	12,173	-15,606	17,159	20,275	20,321	20,627	19,970	67,981	56,911	65,528
42,834	0,236	0,434	0,512	0,154	0,250	62,213	19,422	11,114	-14,232	19,786	20,264	20,319	20,635	19,969	67,901	56,907	65,519

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
38,167	55,056	0,399	0,396	4905,215	5225,730	187,016	5,228	508,556	6,212	10,257	4,135	2017-09-14 11:25
38,333	55,062	0,399	0,396	4897,226	5244,316	228,695	5,049	508,556	6,006	9,844	4,050	2017-09-14 11:25
38,500	55,067	0,399	0,396	4886,060	5218,528	204,030	4,891	508,556	6,042	9,968	4,076	2017-09-14 11:26
38,667	55,074	0,400	0,396	4876,056	5254,841	208,130	5,137	508,556	6,180	10,008	4,084	2017-09-14 11:26
38,833	55,080	0,400	0,396	4883,003	5238,917	225,982	5,523	508,556	6,042	10,219	4,127	2017-09-14 11:26
39,000	55,087	0,400	0,396	4882,787	5218,626	240,373	5,445	508,556	6,131	10,411	4,166	2017-09-14 11:26
39,167	55,097	0,399	0,396	4881,413	5133,171	256,039	5,038	508,556	6,072	10,203	4,124	2017-09-14 11:26
39,333	55,099	0,399	0,395	4865,909	5179,993	281,948	4,751	508,556	5,957	9,854	4,053	2017-09-14 11:26
39,500	55,101	0,399	0,396	4866,784	5106,762	229,765	4,722	508,556	6,041	9,898	4,062	2017-09-14 11:27
39,667	55,103	0,400	0,396	4845,839	5163,078	193,958	5,019	508,556	6,082	10,332	4,150	2017-09-14 11:27
39,833	55,102	0,400	0,396	4832,997	5090,622	185,598	5,200	508,556	5,960	10,071	4,097	2017-09-14 11:27
40,000	55,102	0,399	0,395	4814,745	5107,993	197,161	5,074	508,556	5,823	10,469	4,177	2017-09-14 11:27
40,167	55,090	0,399	0,396	4814,340	5102,427	188,228	4,703	508,556	6,056	9,939	4,070	2017-09-14 11:27
40,333	55,080	0,399	0,396	4808,338	5073,700	216,559	4,342	508,556	5,981	10,286	4,140	2017-09-14 11:27
40,500	55,075	0,399	0,395	4796,095	5053,109	219,488	4,130	508,556	5,892	10,294	4,142	2017-09-14 11:28
40,667	55,079	0,399	0,396	4794,895	5076,385	251,773	4,022	508,556	6,018	10,234	4,130	2017-09-14 11:28
40,834	55,076	0,400	0,396	4792,006	5082,968	250,084	4,092	508,556	6,000	9,786	4,038	2017-09-14 11:28
41,000	55,082	0,399	0,396	4774,124	5050,828	240,588	4,316	508,556	5,916	10,371	4,158	2017-09-14 11:28
41,167	55,083	0,399	0,396	4760,193	5089,296	260,143	4,637	508,556	6,020	10,172	4,117	2017-09-14 11:28
41,334	55,089	0,399	0,396	4752,304	5063,329	263,579	4,918	508,556	5,937	10,313	4,146	2017-09-14 11:28
41,500	55,089	0,399	0,396	4747,093	5129,926	281,538	4,967	508,556	6,132	10,479	4,179	2017-09-14 11:29
41,667	55,087	0,399	0,396	4754,698	5128,064	274,221	4,877	508,556	6,031	10,476	4,178	2017-09-14 11:29
41,834	55,084	0,399	0,396	4756,827	5098,427	268,137	4,933	508,556	6,141	9,980	4,078	2017-09-14 11:29
42,000	55,079	0,400	0,396	4759,287	5049,016	250,734	5,147	508,492	5,994	9,946	4,071	2017-09-14 11:29
42,167	55,072	0,399	0,396	4759,474	5062,872	260,184	5,469	508,556	6,047	10,072	4,097	2017-09-14 11:29
42,334	55,067	0,399	0,396	4753,172	5065,619	248,239	5,812	508,556	5,908	10,156	4,114	2017-09-14 11:29
42,500	55,067	0,399	0,396	4753,278	5057,898	232,517	5,839	508,463	6,078	9,847	4,051	2017-09-14 11:30
42,667	55,062	0,399	0,395	4739,187	5059,190	240,258	5,885	508,556	5,917	9,789	4,039	2017-09-14 11:30
42,834	55,062	0,399	0,396	4739,739	5023,424	232,708	5,847	508,556	6,152	9,985	4,079	2017-09-14 11:30

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
43,000	0,237	0,428	0,512	0,153	0,256	62,179	19,421	17,222	-12,771	11,614	20,260	20,320	20,631	19,967	67,833	56,904	65,506
43,167	0,232	0,417	0,512	0,152	0,256	62,155	19,443	21,068	-14,365	20,718	20,269	20,315	20,640	19,971	68,004	56,896	65,489
43,334	0,233	0,408	0,512	0,149	0,244	62,147	19,441	16,759	-14,301	22,535	20,273	20,316	20,633	19,969	67,876	56,892	65,450
43,500	0,234	0,402	0,512	0,146	0,251	62,137	19,454	20,189	-13,198	12,208	20,290	20,329	20,641	19,967	67,826	56,885	65,430
43,667	0,238	0,402	0,512	0,148	0,250	62,137	19,450	20,897	-14,943	26,279	20,281	20,308	20,631	19,969	67,651	56,884	65,423
43,833	0,237	0,416	0,512	0,147	0,249	62,143	19,438	13,873	-14,127	19,876	20,278	20,316	20,638	19,967	67,547	56,880	65,405
44,000	0,238	0,427	0,512	0,147	0,250	62,154	19,432	17,973	-11,825	12,116	20,277	20,317	20,642	19,970	67,663	56,877	65,380
44,167	0,233	0,446	0,512	0,146	0,250	62,151	19,445	26,394	-12,738	21,111	20,282	20,316	20,633	19,970	67,729	56,877	65,362
44,333	0,230	0,458	0,512	0,148	0,248	62,157	19,404	20,187	-14,635	29,092	20,291	20,316	20,629	19,973	67,640	56,873	65,331
44,500	0,231	0,460	0,512	0,149	0,259	62,125	19,496	17,034	-12,198	16,468	20,273	20,307	20,645	19,974	67,923	56,868	65,314
44,667	0,228	0,458	0,512	0,154	0,244	62,087	19,466	20,405	-12,785	20,303	20,281	20,320	20,636	19,973	67,874	56,865	65,296
44,833	0,227	0,461	0,512	0,147	0,247	62,111	19,458	10,301	-14,744	24,757	20,282	20,317	20,640	19,974	67,846	56,858	65,295
45,000	0,231	0,458	0,512	0,151	0,250	62,118	19,480	16,257	-26,421	24,003	20,291	20,325	20,652	19,977	68,022	56,845	65,308
45,167	0,228	0,454	0,512	0,148	0,242	62,136	19,483	10,725	-33,656	36,532	20,293	20,338	20,646	19,981	67,939	56,838	65,337
45,333	0,231	0,444	0,512	0,148	0,247	62,135	19,440	13,616	-21,692	21,582	20,277	20,327	20,648	19,977	67,759	56,833	65,357
45,500	0,231	0,441	0,512	0,146	0,253	62,101	19,496	17,321	-17,765	15,293	20,286	20,321	20,637	19,977	67,965	56,833	65,400
45,667	0,229	0,448	0,512	0,151	0,249	62,116	19,579	20,579	-16,449	14,848	20,280	20,334	20,650	19,979	67,885	56,831	65,432
45,833	0,233	0,446	0,512	0,144	0,256	62,056	19,518	26,171	-15,117	21,037	20,282	20,326	20,645	19,974	67,917	56,835	65,411
46,000	0,233	0,437	0,512	0,152	0,258	62,087	19,501	21,565	-15,767	26,615	20,263	20,321	20,650	19,975	67,967	56,834	65,391
46,167	0,237	0,431	0,512	0,146	0,250	62,082	19,515	11,979	-17,092	21,585	20,291	20,316	20,640	19,978	67,791	56,839	65,407
46,333	0,234	0,428	0,512	0,148	0,265	62,106	19,511	17,023	-12,938	8,841	20,290	20,320	20,646	19,978	67,733	56,837	65,397
46,500	0,235	0,426	0,512	0,146	0,248	62,090	19,527	21,808	-14,937	29,406	20,283	20,323	20,646	19,975	67,942	56,845	65,391
46,667	0,233	0,428	0,512	0,149	0,260	62,075	19,518	16,919	-13,330	9,953	20,272	20,324	20,636	19,973	67,880	56,842	65,389
46,833	0,231	0,428	0,512	0,157	0,242	62,056	19,518	21,976	-14,478	29,999	20,273	20,323	20,639	19,974	67,658	56,838	65,372
47,000	0,228	0,431	0,512	0,146	0,248	62,075	19,536	13,466	-15,349	22,557	20,276	20,313	20,645	19,977	67,962	56,829	65,370
47,167	0,228	0,437	0,512	0,143	0,252	62,078	19,539	11,570	-16,269	16,691	20,281	20,320	20,645	19,977	67,792	56,829	65,364
47,334	0,230	0,445	0,511	0,149	0,258	62,039	19,530	11,973	-15,158	14,271	20,286	20,315	20,639	19,975	67,861	56,821	65,353
47,500	0,227	0,451	0,512	0,149	0,249	62,074	19,532	13,461	-15,046	15,850	20,282	20,317	20,643	19,977	67,909	56,819	65,354
47,667	0,227	0,456	0,512	0,148	0,252	62,053	19,535	12,019	-15,093	20,755	20,287	20,316	20,648	19,977	68,029	56,819	65,362

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
43,000	55,062	0,399	0,396	4733,195	4993,765	240,078	5,691	508,556	6,121	10,248	4,133	2017-09-14 11:30
43,167	55,063	0,399	0,396	4733,230	5076,722	205,667	5,427	508,556	6,098	10,229	4,129	2017-09-14 11:30
43,334	55,066	0,400	0,396	4708,246	5023,158	213,912	5,205	508,556	5,978	9,762	4,034	2017-09-14 11:30
43,500	55,063	0,399	0,396	4705,268	5000,088	220,551	5,040	508,463	5,827	10,038	4,090	2017-09-14 11:31
43,667	55,062	0,399	0,396	4696,355	4922,448	246,123	5,050	508,463	5,935	9,987	4,080	2017-09-14 11:31
43,833	55,054	0,399	0,396	4694,779	4875,859	240,248	5,392	508,463	5,860	9,972	4,077	2017-09-14 11:31
44,000	55,047	0,399	0,396	4685,002	4929,549	246,561	5,676	508,463	5,862	9,987	4,080	2017-09-14 11:31
44,167	55,044	0,400	0,396	4682,752	4963,559	216,010	6,147	508,463	5,838	9,989	4,080	2017-09-14 11:31
44,333	55,040	0,399	0,396	4669,492	4918,390	197,776	6,441	508,463	5,921	9,923	4,067	2017-09-14 11:31
44,500	55,034	0,399	0,396	4659,672	5051,158	199,878	6,494	508,463	5,959	10,346	4,153	2017-09-14 11:32
44,667	55,030	0,399	0,396	4655,045	5027,890	182,162	6,455	508,463	6,158	9,756	4,032	2017-09-14 11:32
44,833	55,028	0,400	0,396	4658,482	5025,539	174,167	6,516	508,463	5,872	9,890	4,060	2017-09-14 11:32
45,000	55,028	0,399	0,395	4655,948	5106,405	199,798	6,451	508,463	6,033	9,994	4,081	2017-09-14 11:32
45,167	55,028	0,399	0,396	4670,735	5067,136	180,737	6,350	508,463	5,907	9,679	4,016	2017-09-14 11:32
45,333	55,031	0,399	0,396	4680,437	4992,861	202,241	6,102	508,463	5,925	9,893	4,061	2017-09-14 11:32
45,500	55,032	0,399	0,396	4702,384	5089,429	203,968	6,033	508,463	5,856	10,140	4,111	2017-09-14 11:33
45,667	55,026	0,399	0,396	4716,056	5047,170	186,585	6,195	508,463	6,034	9,971	4,077	2017-09-14 11:33
45,833	55,019	0,399	0,396	4708,867	5061,161	211,337	6,148	508,463	5,748	10,249	4,133	2017-09-14 11:33
46,000	55,018	0,399	0,396	4701,529	5088,976	215,096	5,932	508,463	6,077	10,326	4,148	2017-09-14 11:33
46,167	55,014	0,399	0,395	4706,457	5004,550	236,072	5,780	508,463	5,849	9,991	4,081	2017-09-14 11:33
46,333	55,004	0,399	0,396	4716,226	4976,996	218,477	5,711	508,556	5,911	10,594	4,202	2017-09-14 11:33
46,500	54,999	0,399	0,396	4710,824	5073,894	226,430	5,659	508,463	5,841	9,918	4,066	2017-09-14 11:34
46,667	54,992	0,399	0,396	4714,290	5043,962	211,761	5,701	508,463	5,950	10,405	4,164	2017-09-14 11:34
46,833	54,993	0,399	0,396	4709,483	4945,737	199,798	5,701	508,463	6,285	9,696	4,020	2017-09-14 11:34
47,000	54,995	0,399	0,396	4704,241	5085,837	184,893	5,764	508,463	5,829	9,926	4,067	2017-09-14 11:34
47,167	54,995	0,399	0,396	4699,965	5006,239	181,950	5,924	508,463	5,713	10,082	4,099	2017-09-14 11:34
47,334	54,992	0,398	0,395	4693,737	5032,175	193,068	6,133	508,321	5,969	10,322	4,148	2017-09-14 11:34
47,500	54,985	0,398	0,395	4696,204	5057,815	174,869	6,270	508,463	5,940	9,951	4,072	2017-09-14 11:35
47,667	54,983	0,399	0,395	4700,796	5119,346	174,445	6,406	508,462	5,920	10,099	4,103	2017-09-14 11:35

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
47,834	0,224	0,466	0,511	0,144	0,254	62,036	19,556	9,525	-15,389	15,424	20,276	20,329	20,661	19,978	67,901	56,817	65,368
48,000	0,225	0,473	0,512	0,149	0,250	62,024	19,560	9,452	-14,662	18,802	20,273	20,321	20,646	19,978	68,049	56,810	65,376
48,167	0,228	0,476	0,511	0,154	0,256	62,044	19,565	14,448	-13,416	14,524	20,289	20,331	20,661	19,983	67,868	56,809	65,399
48,334	0,232	0,474	0,511	0,151	0,256	62,060	19,573	15,609	-14,794	19,572	20,297	20,323	20,661	19,983	68,032	56,809	65,400
48,500	0,228	0,474	0,511	0,149	0,245	62,061	19,543	14,932	-13,772	14,369	20,295	20,312	20,648	19,981	67,965	56,810	65,422
48,667	0,222	0,478	0,511	0,150	0,254	62,057	19,509	21,616	-11,862	14,183	20,282	20,332	20,656	19,983	68,002	56,811	65,424
48,834	0,221	0,473	0,511	0,142	0,256	62,058	19,485	27,259	-11,094	18,034	20,269	20,317	20,650	19,981	67,989	56,809	65,426
49,000	0,222	0,463	0,511	0,147	0,255	62,055	19,508	25,732	-13,752	25,937	20,291	20,325	20,656	19,985	67,948	56,803	65,426
49,167	0,222	0,475	0,511	0,152	0,253	62,045	19,514	16,932	-14,173	23,433	20,295	20,323	20,641	19,983	67,956	56,806	65,434
49,334	0,222	0,492	0,511	0,150	0,251	62,051	19,517	19,225	-12,973	12,551	20,304	20,321	20,662	19,985	68,098	56,810	65,440
49,500	0,218	0,500	0,511	0,152	0,252	62,024	19,525	22,873	-15,380	29,082	20,290	20,329	20,658	19,987	68,226	56,806	65,434
49,667	0,217	0,504	0,511	0,151	0,265	62,052	19,523	12,636	-14,659	22,335	20,286	20,327	20,668	19,989	68,227	56,807	65,449
49,834	0,215	0,509	0,511	0,149	0,256	62,034	19,504	15,117	-13,586	13,692	20,286	20,324	20,656	19,985	68,346	56,807	65,467
50,000	0,217	0,501	0,511	0,149	0,253	62,048	19,506	20,267	-11,406	14,276	20,290	20,332	20,669	19,991	68,373	56,802	65,500
50,167	0,223	0,473	0,511	0,152	0,255	62,022	19,530	27,607	-12,514	22,606	20,302	20,329	20,662	19,987	68,358	56,802	65,554
50,333	0,233	0,450	0,511	0,150	0,255	61,960	19,528	25,399	-12,430	21,055	20,285	20,321	20,654	19,983	68,232	56,795	65,612
50,500	0,235	0,441	0,511	0,152	0,249	61,976	19,556	22,525	-16,427	27,013	20,293	20,329	20,654	19,986	68,177	56,802	65,659
50,667	0,229	0,442	0,511	0,140	0,245	61,930	19,530	15,457	-13,800	16,720	20,294	20,321	20,647	19,987	68,311	56,810	65,684
50,833	0,229	0,450	0,511	0,150	0,257	61,879	19,517	20,389	-13,090	17,660	20,289	20,315	20,670	19,985	68,325	56,815	65,671
51,000	0,230	0,457	0,511	0,146	0,254	61,916	19,502	21,816	-13,599	21,717	20,294	20,325	20,658	19,986	68,161	56,815	65,655
51,167	0,230	0,458	0,511	0,145	0,256	61,938	19,509	21,419	-13,812	18,831	20,290	20,305	20,660	19,987	68,134	56,815	65,655
51,333	0,225	0,461	0,511	0,146	0,255	61,899	19,517	21,431	-14,218	18,723	20,293	20,325	20,657	19,991	68,096	56,818	65,667
51,500	0,223	0,469	0,511	0,155	0,252	61,873	19,450	21,053	-12,833	15,632	20,288	20,328	20,660	19,989	68,127	56,814	65,660
51,667	0,219	0,474	0,511	0,146	0,241	61,862	19,479	28,644	-12,230	19,416	20,293	20,324	20,654	19,986	68,250	56,813	65,617
51,833	0,215	0,481	0,511	0,148	0,251	61,897	19,450	28,745	-12,602	22,992	20,281	20,312	20,666	19,986	68,150	56,814	65,610
52,000	0,216	0,487	0,511	0,152	0,256	61,887	19,492	26,526	-14,058	20,497	20,289	20,327	20,656	19,989	68,460	56,817	65,593
52,167	0,217	0,492	0,511	0,151	0,251	61,844	19,505	28,298	-12,003	22,026	20,285	20,324	20,677	19,989	68,510	56,810	65,613
52,333	0,216	0,494	0,511	0,147	0,257	61,867	19,479	30,149	-12,356	22,379	20,281	20,322	20,660	19,993	68,558	56,802	65,630
52,500	0,218	0,485	0,511	0,149	0,257	61,889	19,506	28,094	-13,457	29,033	20,282	20,320	20,666	19,993	68,529	56,805	65,682

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
47,834	54,980	0,399	0,396	4706,245	5060,828	157,775	6,643	508,321	5,771	10,176	4,118	2017-09-14 11:35
48,000	54,976	0,399	0,396	4714,462	5135,269	164,585	6,828	508,463	5,972	10,014	4,085	2017-09-14 11:35
48,167	54,969	0,399	0,395	4722,895	5050,711	185,143	6,901	508,321	6,180	10,222	4,127	2017-09-14 11:35
48,334	54,965	0,399	0,396	4735,157	5132,135	209,436	6,844	508,321	6,027	10,257	4,135	2017-09-14 11:35
48,500	54,960	0,399	0,396	4745,589	5098,067	183,235	6,849	508,321	5,969	9,792	4,040	2017-09-14 11:36
48,667	54,959	0,399	0,396	4749,221	5116,536	147,598	6,950	508,321	5,996	10,148	4,113	2017-09-14 11:36
48,834	54,956	0,399	0,396	4747,256	5104,518	139,614	6,827	508,320	5,668	10,239	4,131	2017-09-14 11:36
49,000	54,953	0,399	0,396	4745,918	5087,458	142,359	6,583	508,321	5,871	10,203	4,124	2017-09-14 11:36
49,167	54,953	0,399	0,396	4752,146	5096,496	143,165	6,867	508,321	6,076	10,102	4,103	2017-09-14 11:36
49,334	54,953	0,399	0,396	4757,955	5159,032	144,645	7,303	508,321	5,984	10,057	4,094	2017-09-14 11:36
49,500	54,951	0,400	0,396	4752,605	5224,514	120,563	7,489	508,321	6,071	10,064	4,096	2017-09-14 11:37
49,667	54,944	0,399	0,395	4757,820	5220,471	116,293	7,592	508,321	6,046	10,600	4,203	2017-09-14 11:37
49,834	54,940	0,399	0,396	4776,289	5269,515	100,203	7,715	508,321	5,945	10,223	4,128	2017-09-14 11:37
50,000	54,933	0,399	0,396	4790,476	5283,768	116,866	7,532	508,321	5,958	10,131	4,109	2017-09-14 11:37
50,167	54,928	0,399	0,396	4816,599	5276,190	153,018	6,830	508,321	6,082	10,197	4,122	2017-09-14 11:37
50,333	54,921	0,399	0,396	4848,732	5224,184	214,266	6,252	508,321	6,007	10,217	4,126	2017-09-14 11:37
50,500	54,920	0,399	0,396	4868,692	5198,550	226,416	6,033	508,227	6,073	9,970	4,076	2017-09-14 11:38
50,667	54,916	0,399	0,396	4884,959	5253,101	188,284	6,055	508,321	5,582	9,811	4,044	2017-09-14 11:38
50,833	54,918	0,399	0,396	4877,927	5254,439	186,786	6,250	508,227	5,996	10,291	4,141	2017-09-14 11:38
51,000	54,917	0,399	0,396	4871,182	5180,189	194,343	6,422	508,321	5,850	10,140	4,111	2017-09-14 11:38
51,167	54,913	0,399	0,396	4870,394	5171,598	195,834	6,447	508,321	5,799	10,243	4,132	2017-09-14 11:38
51,333	54,914	0,400	0,396	4873,255	5160,556	164,136	6,526	508,321	5,842	10,184	4,120	2017-09-14 11:38
51,500	54,910	0,399	0,395	4869,396	5168,330	154,102	6,735	508,227	6,207	10,081	4,099	2017-09-14 11:39
51,667	54,904	0,399	0,396	4857,846	5221,225	128,735	6,858	508,320	5,851	9,653	4,011	2017-09-14 11:39
51,833	54,908	0,399	0,396	4852,969	5177,474	101,318	7,013	508,227	5,936	10,037	4,090	2017-09-14 11:39
52,000	54,913	0,399	0,395	4837,651	5317,522	109,334	7,167	508,320	6,097	10,222	4,128	2017-09-14 11:39
52,167	54,921	0,399	0,395	4841,899	5345,314	115,497	7,308	508,227	6,035	10,038	4,090	2017-09-14 11:39
52,333	54,922	0,399	0,396	4852,323	5372,021	106,474	7,344	508,227	5,886	10,267	4,137	2017-09-14 11:39
52,500	54,924	0,399	0,396	4873,843	5353,630	117,603	7,122	508,227	5,976	10,261	4,136	2017-09-14 11:40

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
52,667	0,220	0,474	0,511	0,147	0,247	61,883	19,514	26,247	-13,479	20,711	20,286	20,315	20,669	19,987	68,510	56,802	65,744
52,833	0,223	0,464	0,511	0,143	0,256	61,847	19,496	26,248	-13,516	23,530	20,293	20,323	20,673	19,990	68,549	56,809	65,791
53,000	0,221	0,466	0,511	0,150	0,256	61,849	19,478	23,566	-21,444	38,949	20,297	20,322	20,668	19,991	68,412	56,815	65,826
53,167	0,219	0,483	0,511	0,148	0,252	61,818	19,487	37,239	-34,712	20,305	20,306	20,337	20,677	19,995	68,399	56,829	65,851
53,333	0,217	0,500	0,511	0,148	0,254	61,825	19,525	0,858	-24,825	20,358	20,289	20,331	20,670	19,999	68,398	56,833	65,843
53,500	0,219	0,505	0,511	0,146	0,254	61,780	19,523	37,845	6,127	20,367	20,294	20,336	20,662	19,993	68,537	56,841	65,830
53,667	0,221	0,492	0,511	0,148	0,249	61,781	19,539	11,762	-40,580	20,384	20,296	20,322	20,670	19,995	68,599	56,846	65,810
53,833	0,220	0,467	0,511	0,148	0,247	61,756	19,557	6,241	20,215	20,369	20,298	20,329	20,670	19,993	68,596	56,848	65,814
54,000	0,223	0,446	0,511	0,150	0,242	61,767	19,530	31,056	20,279	20,386	20,286	20,318	20,682	19,998	68,430	56,849	65,837
54,167	0,229	0,433	0,511	0,147	0,252	61,753	19,512	26,364	20,306	20,375	20,290	20,318	20,651	19,991	68,301	56,839	65,859
54,334	0,231	0,426	0,511	0,151	0,250	61,719	19,499	20,350	20,345	20,384	20,282	20,332	20,669	19,993	68,482	56,843	65,854
54,500	0,240	0,422	0,511	0,149	0,265	61,704	19,514	24,070	20,367	20,377	20,289	20,329	20,668	19,995	68,445	56,846	65,838
54,667	0,245	0,422	0,511	0,148	0,245	61,699	19,510	26,438	20,391	20,374	20,311	20,320	20,679	19,997	68,430	56,848	65,819
54,834	0,249	0,430	0,511	0,150	0,255	61,696	19,506	19,138	20,404	20,378	20,293	20,329	20,670	19,993	68,453	56,850	65,810
55,000	0,255	0,442	0,511	0,143	0,255	61,742	19,398	24,311	20,412	20,367	20,297	20,320	20,681	19,995	68,418	56,848	65,802
55,167	0,237	0,452	0,511	0,150	0,253	61,739	19,428	23,954	20,437	20,356	20,298	20,331	20,672	19,997	68,434	56,853	65,803
55,334	0,225	0,470	0,511	0,147	0,255	61,701	19,459	17,894	20,456	20,369	20,297	20,327	20,676	19,998	68,362	56,856	65,803
55,500	0,218	0,491	0,511	0,144	0,260	61,725	19,478	14,949	20,460	20,365	20,302	20,315	20,677	19,995	68,386	56,854	65,791
55,667	0,219	0,503	0,511	0,147	0,252	61,767	19,508	14,514	20,478	20,354	20,311	20,330	20,681	19,999	68,243	56,860	65,791
55,834	0,219	0,504	0,511	0,140	0,259	61,775	19,508	18,131	20,493	20,374	20,310	20,332	20,664	19,998	68,599	56,858	65,791
56,000	0,226	0,492	0,511	0,147	0,256	61,781	19,542	22,087	20,488	20,379	20,296	20,341	20,676	20,003	68,413	56,857	65,793
56,167	0,227	0,475	0,511	0,144	0,258	61,747	19,524	17,686	20,507	20,369	20,293	20,328	20,678	20,001	68,230	56,861	65,789
56,334	0,221	0,468	0,511	0,143	0,257	61,786	19,518	21,611	20,509	20,358	20,309	20,338	20,681	20,005	68,387	56,857	65,837
56,500	0,220	0,472	0,469	0,146	0,261	61,761	19,546	33,682	20,492	20,365	20,288	20,332	20,681	20,002	68,333	56,861	65,851
56,667	0,229	0,470	0,472	0,148	0,255	61,781	19,656	25,814	20,486	20,357	20,297	20,334	20,681	20,003	68,467	56,862	65,824
56,834	0,233	0,455	0,475	0,148	0,251	61,762	19,589	19,452	20,488	20,353	20,309	20,328	20,668	20,005	68,603	56,868	65,797
57,000	0,233	0,438	0,470	0,151	0,254	61,726	19,571	20,025	20,497	20,357	20,309	20,318	20,676	20,006	68,467	56,878	65,803
57,167	0,236	0,432	0,472	0,153	0,267	61,795	19,562	14,792	20,501	20,341	20,301	20,340	20,669	20,002	68,589	56,881	65,808
57,333	0,236	0,432	0,456	0,145	0,258	61,807	19,543	299,015	20,507	20,364	20,300	20,327	20,687	20,003	68,480	56,881	65,857

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
52,667	54,924	0,399	0,395	4901,452	5348,193	134,141	6,860	508,227	5,895	9,882	4,058	2017-09-14 11:40
52,833	54,925	0,399	0,396	4924,290	5365,165	150,517	6,612	508,227	5,704	10,240	4,131	2017-09-14 11:40
53,000	54,924	0,399	0,396	4940,276	5293,821	139,603	6,647	508,318	5,998	10,233	4,130	2017-09-14 11:40
53,167	54,925	0,399	0,396	4950,497	5282,114	123,888	7,069	508,321	5,939	10,081	4,099	2017-09-14 11:40
53,333	54,922	0,399	0,396	4950,121	5284,265	116,762	7,512	508,321	5,904	10,144	4,112	2017-09-14 11:40
53,500	54,921	0,399	0,396	4944,919	5345,916	124,729	7,633	508,321	5,840	10,179	4,119	2017-09-14 11:41
53,667	54,922	0,399	0,396	4939,572	5373,162	141,705	7,302	508,320	5,934	9,964	4,075	2017-09-14 11:41
53,833	54,924	0,399	0,396	4937,935	5368,285	132,880	6,682	508,320	5,908	9,892	4,060	2017-09-14 11:41
54,000	54,928	0,399	0,396	4942,557	5296,013	151,524	6,148	508,320	5,988	9,675	4,016	2017-09-14 11:41
54,167	54,932	0,399	0,395	4948,416	5232,489	187,811	5,815	508,321	5,883	10,089	4,101	2017-09-14 11:41
54,334	54,935	0,399	0,396	4948,242	5316,149	201,862	5,649	508,320	6,042	9,986	4,080	2017-09-14 11:41
54,500	54,940	0,399	0,396	4945,272	5303,742	260,354	5,554	508,320	5,952	10,586	4,200	2017-09-14 11:42
54,667	54,944	0,399	0,396	4934,372	5293,353	289,922	5,558	508,227	5,932	9,791	4,039	2017-09-14 11:42
54,834	54,943	0,399	0,396	4933,561	5305,578	315,970	5,755	508,226	5,982	10,208	4,125	2017-09-14 11:42
55,000	54,945	0,399	0,396	4925,040	5290,265	348,210	6,054	508,227	5,725	10,216	4,126	2017-09-14 11:42
55,167	54,943	0,399	0,396	4923,719	5290,288	237,336	6,290	508,227	5,983	10,100	4,103	2017-09-14 11:42
55,334	54,944	0,400	0,396	4927,527	5262,019	162,500	6,757	508,227	5,865	10,207	4,125	2017-09-14 11:42
55,500	54,943	0,399	0,396	4919,794	5268,314	121,387	7,282	508,227	5,780	10,399	4,163	2017-09-14 11:43
55,667	54,944	0,400	0,396	4921,241	5206,744	125,855	7,573	508,227	5,885	10,098	4,102	2017-09-14 11:43
55,834	54,945	0,399	0,396	4919,360	5363,748	126,178	7,603	508,227	5,601	10,368	4,157	2017-09-14 11:43
56,000	54,948	0,400	0,396	4924,857	5286,737	172,513	7,290	508,227	5,890	10,245	4,132	2017-09-14 11:43
56,167	54,952	0,400	0,396	4919,322	5199,958	179,014	6,883	508,227	5,771	10,325	4,148	2017-09-14 11:43
56,334	54,959	0,399	0,396	4938,767	5266,076	141,094	6,706	508,227	5,729	10,269	4,137	2017-09-14 11:43
56,500	54,963	0,399	0,396	4939,729	5237,176	131,028	6,805	500,449	5,836	10,445	4,172	2017-09-14 11:44
56,667	54,965	0,400	0,396	4925,986	5315,199	186,154	6,742	500,966	5,929	10,182	4,119	2017-09-14 11:44
56,834	54,964	0,400	0,396	4913,083	5378,674	213,647	6,376	501,482	5,927	10,048	4,092	2017-09-14 11:44
57,000	54,961	0,400	0,396	4918,815	5309,405	216,191	5,940	500,637	6,028	10,177	4,118	2017-09-14 11:44
57,167	54,965	0,400	0,396	4923,650	5364,656	230,175	5,801	500,966	6,109	10,666	4,216	2017-09-14 11:44
57,333	54,967	0,400	0,397	4948,218	5312,994	232,694	5,797	497,970	5,810	10,326	4,149	2017-09-14 11:44

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
57,500	0,236	0,428	0,452	0,149	0,248	61,891	19,558	25,868	20,505	20,349	20,305	20,331	20,685	20,005	68,358	56,885	65,866
57,667	0,231	0,432	0,448	0,151	0,257	61,908	19,575	9,570	20,499	20,353	20,293	20,335	20,680	19,999	68,607	56,885	65,858
57,833	0,227	0,444	0,445	0,147	0,257	61,971	19,588	18,340	20,506	20,344	20,319	20,344	20,676	20,002	68,464	56,892	65,885
58,000	0,221	0,452	0,458	0,148	0,250	61,968	19,535	18,537	20,498	20,337	20,293	20,333	20,681	19,998	68,478	56,889	65,878
58,167	0,223	0,454	0,457	0,145	0,252	61,999	19,554	10,423	20,518	20,337	20,310	20,335	20,677	20,003	68,460	56,897	65,874
58,333	0,224	0,451	0,498	0,149	0,258	62,051	19,524	13,483	20,506	20,361	20,313	20,330	20,691	20,006	68,444	56,901	65,889
58,500	0,222	0,450	0,499	0,147	0,257	62,135	19,550	19,594	20,518	20,348	20,302	20,343	20,691	20,005	68,460	56,901	65,897
58,667	0,222	0,447	0,499	0,152	0,251	62,159	19,554	18,537	20,523	20,369	20,300	20,339	20,693	20,005	68,378	56,905	65,915
58,833	0,223	0,442	0,499	0,149	0,255	62,186	19,564	11,463	20,518	20,355	20,306	20,339	20,695	20,006	68,492	56,905	65,923
59,000	0,225	0,438	0,499	0,145	0,257	62,186	19,583	14,855	20,518	20,357	20,300	20,358	20,677	20,007	68,518	56,917	65,915
59,167	0,225	0,436	0,499	0,153	0,254	62,192	19,569	19,166	20,518	20,356	20,309	20,356	20,674	20,003	68,389	56,921	65,878
59,333	0,222	0,439	0,499	0,149	0,248	62,156	19,586	18,758	20,519	20,370	20,310	20,334	20,685	20,009	68,522	56,925	65,882
59,500	0,220	0,448	0,499	0,147	0,248	62,223	19,603	21,588	20,522	20,365	20,305	20,343	20,689	20,003	68,530	56,927	65,900
59,667	0,221	0,450	0,498	0,147	0,246	62,301	19,626	13,555	20,514	20,357	20,297	20,338	20,685	20,006	68,476	56,928	65,919
59,833	0,222	0,452	0,499	0,152	0,260	62,297	19,592	11,279	20,524	20,355	20,322	20,344	20,693	20,007	68,535	56,927	65,912
60,000	0,219	0,456	0,498	0,153	0,261	62,266	19,613	14,651	20,520	20,364	20,314	20,345	20,625	20,006	68,416	56,937	65,913
60,167	0,220	0,459	0,498	0,150	0,253	62,298	19,603	21,973	20,515	20,340	20,301	20,335	20,515	20,006	68,404	56,937	65,913
60,333	0,226	0,448	0,438	0,153	0,255	62,317	19,686	24,631	20,511	20,378	20,311	20,388	20,496	20,005	68,604	56,937	65,925
60,500	0,230	0,438	0,482	0,151	0,255	62,324	19,746	341,701	20,535	20,364	20,301	20,405	20,488	20,007	68,774	56,944	65,927
60,667	0,233	0,429	0,499	0,145	0,254	62,364	19,661	-6,901	20,535	20,356	20,302	20,381	20,493	20,006	68,459	56,946	65,934
60,833	0,231	0,432	0,504	0,157	0,258	62,379	19,607	23,517	20,544	20,381	20,313	20,378	20,501	20,013	68,545	56,948	65,958
61,000	0,225	0,448	0,499	0,150	0,256	62,395	19,639	14,658	20,540	20,385	20,302	20,365	20,489	20,007	68,655	56,956	65,991
61,167	0,218	0,465	0,499	0,149	0,254	62,487	19,662	15,583	20,567	20,395	20,302	20,364	20,503	20,010	68,580	56,962	65,996
61,334	0,214	0,488	0,501	0,145	0,246	62,474	19,665	18,458	20,571	20,407	20,283	20,353	20,499	20,006	68,763	56,959	65,997
61,500	0,211	0,499	0,502	0,145	0,243	62,472	19,679	25,380	20,578	20,408	20,301	20,352	20,506	20,007	68,812	56,960	65,993
61,667	0,213	0,503	0,494	0,148	0,250	62,435	19,678	21,881	20,578	20,439	20,304	20,360	20,493	20,010	68,861	56,967	66,005
61,834	0,216	0,510	0,495	0,146	0,254	62,382	19,651	-16,270	20,569	20,443	20,298	20,347	20,500	20,010	68,865	56,966	66,028
62,000	0,220	0,508	0,536	0,149	0,258	62,373	19,547	12,754	20,588	20,453	20,281	20,349	20,502	20,009	68,984	56,968	66,067
62,167	0,221	0,507	0,537	0,149	0,246	62,339	19,611	17,394	20,591	20,459	20,292	20,349	20,497	20,009	68,952	56,972	66,098

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
57,500	54,967	0,401	0,396	4945,900	5263,593	230,245	5,696	497,267	5,976	9,938	4,070	2017-09-14 11:45
57,667	54,967	0,400	0,396	4939,377	5369,989	198,853	5,809	496,467	6,048	10,265	4,136	2017-09-14 11:45
57,833	54,967	0,400	0,396	4948,445	5302,273	178,458	6,095	495,951	5,865	10,267	4,137	2017-09-14 11:45
58,000	54,976	0,401	0,396	4941,618	5312,680	140,882	6,301	498,439	5,926	10,018	4,086	2017-09-14 11:45
58,167	54,980	0,401	0,396	4939,033	5302,028	151,361	6,338	498,251	5,816	10,067	4,096	2017-09-14 11:45
58,333	54,984	0,401	0,396	4951,527	5292,471	157,219	6,263	505,935	5,961	10,334	4,150	2017-09-14 11:45
58,500	54,985	0,401	0,396	4950,145	5299,353	147,174	6,262	506,029	5,868	10,262	4,136	2017-09-14 11:46
58,667	54,987	0,401	0,396	4955,110	5259,811	144,523	6,184	506,029	6,068	10,025	4,088	2017-09-14 11:46
58,833	54,989	0,401	0,396	4954,900	5317,762	154,630	6,059	506,029	5,943	10,184	4,120	2017-09-14 11:46
59,000	54,992	0,400	0,396	4956,627	5316,044	161,197	5,941	506,029	5,782	10,272	4,138	2017-09-14 11:46
59,167	54,989	0,401	0,396	4936,308	5258,656	166,461	5,891	506,028	6,137	10,168	4,117	2017-09-14 11:46
59,333	54,996	0,401	0,396	4936,175	5319,093	145,482	5,964	506,029	5,967	9,921	4,066	2017-09-14 11:46
59,500	54,993	0,401	0,396	4952,434	5323,820	132,505	6,191	506,029	5,868	9,935	4,069	2017-09-14 11:47
59,667	54,996	0,401	0,396	4953,174	5298,992	141,945	6,255	505,935	5,885	9,830	4,048	2017-09-14 11:47
59,833	55,001	0,401	0,396	4950,344	5322,205	143,602	6,289	506,029	6,076	10,400	4,163	2017-09-14 11:47
60,000	55,001	0,400	0,396	4948,580	5261,442	129,750	6,408	505,935	6,116	10,457	4,175	2017-09-14 11:47
60,167	55,006	0,400	0,396	4946,453	5255,605	133,936	6,470	505,935	5,984	10,113	4,105	2017-09-14 11:47
60,333	55,008	0,400	0,396	4947,878	5347,933	167,507	6,205	494,544	6,112	10,181	4,119	2017-09-14 11:47
60,500	55,010	0,401	0,396	4954,684	5426,574	193,218	5,941	502,934	6,052	10,181	4,119	2017-09-14 11:48
60,667	55,011	0,401	0,396	4957,422	5288,065	215,729	5,716	506,029	5,790	10,154	4,114	2017-09-14 11:48
60,833	55,014	0,401	0,396	4969,595	5322,348	198,968	5,796	506,924	6,268	10,330	4,149	2017-09-14 11:48
61,000	55,016	0,401	0,396	4976,997	5372,013	163,963	6,203	506,122	5,989	10,221	4,127	2017-09-14 11:48
61,167	55,018	0,401	0,396	4982,225	5327,842	119,833	6,618	506,050	5,940	10,179	4,119	2017-09-14 11:48
61,334	55,018	0,401	0,396	4978,370	5414,265	97,055	7,198	506,447	5,781	9,855	4,053	2017-09-14 11:48
61,500	55,022	0,400	0,396	4978,683	5429,223	76,709	7,468	506,540	5,788	9,711	4,023	2017-09-14 11:49
61,667	55,022	0,401	0,396	4981,504	5455,398	88,233	7,563	505,138	5,937	9,988	4,080	2017-09-14 11:49
61,834	55,024	0,400	0,396	4990,167	5453,121	108,771	7,762	505,325	5,830	10,155	4,114	2017-09-14 11:49
62,000	55,026	0,401	0,396	5013,695	5508,778	131,581	7,711	513,055	5,968	10,315	4,146	2017-09-14 11:49
62,167	55,028	0,401	0,396	5022,243	5494,333	139,061	7,664	513,149	5,977	9,852	4,052	2017-09-14 11:49

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
62,334	0,219	0,495	0,537	0,150	0,247	62,310	19,669	21,848	20,579	20,460	20,296	20,359	20,498	20,014	68,927	56,972	66,124
62,500	0,218	0,480	0,537	0,148	0,251	62,331	19,682	18,828	20,599	20,479	20,296	20,348	20,505	20,011	68,905	56,982	66,181
62,667	0,220	0,463	0,537	0,148	0,252	62,276	19,678	23,656	20,588	20,467	20,284	20,347	20,489	20,010	68,969	56,990	66,200
62,834	0,218	0,466	0,537	0,148	0,254	62,270	19,678	25,171	20,609	20,491	20,301	20,360	20,497	20,016	69,031	56,997	66,185
63,000	0,218	0,463	0,537	0,150	0,257	62,328	19,691	21,060	20,618	20,491	20,296	20,369	20,504	20,015	69,120	57,006	66,173
63,167	0,217	0,456	0,536	0,150	0,263	62,361	19,732	9,047	20,621	20,510	20,304	20,351	20,506	20,019	69,152	57,014	66,173
63,334	0,219	0,453	0,536	0,150	0,254	62,313	19,720	15,734	20,601	20,483	20,297	20,351	20,505	20,015	69,073	57,019	66,219
63,500	0,219	0,453	0,537	0,150	0,251	62,300	19,730	20,410	20,624	20,502	20,287	20,355	20,519	20,015	69,135	57,019	66,246
63,667	0,223	0,453	0,537	0,151	0,252	62,232	19,717	17,900	20,611	20,497	20,283	20,355	20,503	20,011	69,098	57,017	66,295
63,833	0,228	0,447	0,536	0,151	0,250	62,242	19,726	22,088	20,639	20,509	20,295	20,357	20,504	20,015	68,960	57,021	66,316
64,000	0,230	0,447	0,537	0,156	0,251	62,220	19,733	18,675	20,620	20,517	20,297	20,339	20,498	20,013	68,969	57,029	66,342
64,167	0,229	0,447	0,537	0,148	0,259	62,239	19,728	22,317	20,635	20,510	20,301	20,363	20,501	20,016	69,086	57,034	66,357
64,333	0,225	0,445	0,537	0,150	0,255	62,235	19,608	19,023	20,635	20,510	20,296	20,339	20,501	20,015	69,050	57,044	66,324
64,500	0,225	0,452	0,536	0,149	0,264	62,246	19,683	23,383	20,622	20,531	20,288	20,361	20,504	20,018	69,032	57,048	66,277
64,667	0,224	0,457	0,536	0,149	0,252	62,291	19,699	18,049	20,633	20,532	20,296	20,350	20,518	20,018	69,012	57,061	66,278
64,833	0,220	0,468	0,536	0,152	0,253	62,272	19,702	19,947	20,658	20,531	20,278	20,359	20,505	20,016	68,992	57,061	66,304
65,000	0,219	0,478	0,536	0,153	0,261	62,315	19,713	16,207	20,639	20,544	20,284	20,352	20,512	20,020	68,958	57,061	66,300
65,167	0,220	0,481	0,536	0,147	0,261	62,324	19,713	17,765	20,642	20,553	20,292	20,351	20,522	20,016	68,861	57,060	66,287
65,333	0,218	0,488	0,536	0,145	0,248	62,351	19,719	17,067	20,666	20,544	20,293	20,348	20,514	20,016	69,004	57,061	66,281
65,500	0,219	0,490	0,536	0,148	0,261	62,333	19,734	19,635	20,663	20,547	20,303	20,344	20,514	20,018	68,927	57,062	66,281
65,667	0,221	0,478	0,536	0,146	0,253	62,340	19,728	23,035	20,672	20,561	20,291	20,363	20,523	20,019	69,067	57,058	66,257
65,833	0,226	0,462	0,536	0,152	0,247	62,386	19,715	18,997	20,669	20,560	20,299	20,353	20,517	20,020	69,307	57,064	66,237
66,000	0,223	0,456	0,536	0,146	0,255	62,353	19,725	19,703	20,667	20,572	20,300	20,359	20,526	20,020	69,046	57,069	66,257
66,167	0,233	0,459	0,536	0,149	0,252	62,348	19,725	23,818	20,685	20,583	20,308	20,371	20,522	20,024	69,256	57,066	66,274
66,333	0,225	0,477	0,536	0,154	0,255	62,310	19,679	15,207	20,686	20,582	20,295	20,365	20,514	20,020	69,212	57,064	66,351
66,500	0,216	0,498	0,536	0,148	0,260	62,286	19,733	16,423	20,688	20,589	20,300	20,357	20,513	20,022	69,232	57,065	66,388
66,667	0,213	0,513	0,536	0,142	0,248	62,290	19,727	21,329	20,679	20,575	20,305	20,361	20,513	20,020	69,190	57,062	66,385
66,833	0,213	0,525	0,536	0,140	0,261	62,304	19,736	15,833	20,667	20,592	20,280	20,346	20,509	20,019	69,222	57,074	66,409
67,000	0,214	0,527	0,536	0,149	0,258	62,292	19,730	20,474	20,676	20,603	20,297	20,354	20,525	20,023	69,206	57,080	66,405

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
62,334	55,031	0,401	0,396	5029,730	5482,653	124,208	7,382	513,149	5,983	9,883	4,059	2017-09-14 11:49
62,500	55,035	0,401	0,396	5057,933	5468,362	123,086	6,998	513,149	5,912	10,032	4,089	2017-09-14 11:50
62,667	55,036	0,401	0,396	5063,755	5492,935	135,413	6,585	513,149	5,913	10,070	4,097	2017-09-14 11:50
62,834	55,036	0,400	0,396	5056,217	5511,470	122,008	6,644	513,149	5,900	10,169	4,117	2017-09-14 11:50
63,000	55,036	0,401	0,396	5048,000	5553,568	121,387	6,575	513,149	6,010	10,297	4,143	2017-09-14 11:50
63,167	55,039	0,400	0,396	5047,888	5564,130	116,144	6,403	513,055	6,020	10,537	4,191	2017-09-14 11:50
63,334	55,043	0,401	0,396	5065,217	5531,148	129,555	6,336	513,055	6,007	10,168	4,117	2017-09-14 11:50
63,500	55,042	0,400	0,396	5083,427	5553,312	129,770	6,337	513,149	5,987	10,032	4,089	2017-09-14 11:51
63,667	55,043	0,400	0,396	5109,214	5538,177	153,046	6,337	513,149	6,027	10,073	4,097	2017-09-14 11:51
63,833	55,047	0,401	0,396	5111,167	5479,117	185,588	6,170	513,084	6,022	10,015	4,086	2017-09-14 11:51
64,000	55,050	0,401	0,396	5125,954	5479,185	194,149	6,181	513,149	6,230	10,057	4,094	2017-09-14 11:51
64,167	55,054	0,401	0,396	5129,221	5532,226	188,131	6,185	513,150	5,920	10,375	4,158	2017-09-14 11:51
64,333	55,058	0,401	0,396	5113,217	5506,653	166,315	6,120	513,149	5,992	10,213	4,126	2017-09-14 11:51
64,500	55,058	0,400	0,396	5089,666	5493,664	166,871	6,292	513,055	5,942	10,563	4,196	2017-09-14 11:52
64,667	55,059	0,401	0,396	5091,800	5482,129	158,285	6,436	513,055	5,979	10,093	4,101	2017-09-14 11:52
64,833	55,059	0,401	0,396	5100,470	5471,464	131,633	6,697	513,055	6,095	10,126	4,108	2017-09-14 11:52
65,000	55,062	0,401	0,396	5099,854	5454,330	125,789	6,951	513,055	6,121	10,424	4,168	2017-09-14 11:52
65,167	55,066	0,401	0,396	5089,163	5412,660	135,229	7,013	513,055	5,888	10,454	4,174	2017-09-14 11:52
65,333	55,066	0,401	0,396	5089,458	5480,394	118,016	7,193	513,055	5,818	9,927	4,068	2017-09-14 11:52
65,500	55,070	0,400	0,396	5083,567	5438,654	124,719	7,246	513,055	5,926	10,453	4,174	2017-09-14 11:53
65,667	55,068	0,401	0,396	5070,448	5511,257	136,667	6,940	513,055	5,827	10,135	4,110	2017-09-14 11:53
65,833	55,075	0,401	0,396	5066,607	5613,157	167,705	6,553	513,055	6,073	9,900	4,062	2017-09-14 11:53
66,000	55,079	0,401	0,397	5084,169	5493,866	152,879	6,409	513,055	5,826	10,210	4,125	2017-09-14 11:53
66,167	55,082	0,400	0,397	5093,652	5585,839	212,351	6,471	513,055	5,974	10,099	4,103	2017-09-14 11:53
66,333	55,086	0,401	0,397	5124,342	5571,854	161,440	6,933	513,055	6,174	10,184	4,120	2017-09-14 11:53
66,500	55,087	0,400	0,397	5141,616	5575,912	106,102	7,462	513,055	5,919	10,402	4,164	2017-09-14 11:54
66,667	55,087	0,401	0,397	5139,876	5563,424	90,544	7,836	513,055	5,660	9,922	4,067	2017-09-14 11:54
66,833	55,089	0,400	0,397	5154,109	5568,105	91,381	8,114	513,055	5,591	10,452	4,174	2017-09-14 11:54
67,000	55,090	0,401	0,397	5146,218	5559,364	96,850	8,166	512,962	5,972	10,324	4,148	2017-09-14 11:54

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
67,167	0,212	0,532	0,536	0,145	0,254	62,294	19,741	22,484	20,702	20,599	20,295	20,350	20,516	20,024	69,659	57,088	66,411
67,333	0,214	0,529	0,537	0,157	0,249	62,275	19,738	17,604	20,711	20,604	20,301	20,367	20,529	20,023	69,488	57,091	66,417
67,500	0,218	0,513	0,536	0,149	0,258	62,260	19,714	22,230	20,720	20,611	20,308	20,354	20,531	20,023	69,410	57,101	66,421
67,667	0,218	0,491	0,536	0,145	0,250	62,267	19,735	19,878	20,710	20,627	20,305	20,356	20,527	20,028	69,462	57,099	66,459
67,834	0,218	0,483	0,536	0,150	0,252	62,209	19,731	21,104	20,713	20,612	20,295	20,371	20,540	20,026	69,358	57,100	66,565
68,000	0,225	0,467	0,536	0,151	0,261	62,153	19,763	16,162	20,714	20,612	20,292	20,346	20,535	20,023	69,703	57,100	66,613
68,167	0,236	0,451	0,536	0,147	0,256	62,158	19,749	17,664	20,719	20,621	20,299	20,351	20,522	20,027	69,437	57,105	66,619
68,334	0,249	0,443	0,536	0,151	0,248	62,162	19,729	15,394	20,727	20,633	20,305	20,354	20,546	20,027	69,407	57,120	66,622
68,500	0,247	0,438	0,536	0,148	0,256	62,114	19,719	18,438	20,723	20,630	20,299	20,371	20,538	20,027	69,454	57,125	66,634
68,667	0,238	0,432	0,536	0,154	0,253	62,146	19,714	13,629	20,728	20,631	20,316	20,356	20,537	20,030	69,420	57,139	66,667
68,834	0,244	0,432	0,536	0,150	0,261	62,199	19,735	14,441	20,735	20,642	20,288	20,360	20,547	20,031	69,353	57,140	66,626
69,000	0,244	0,433	0,536	0,140	0,250	62,179	19,727	17,424	20,759	20,653	20,303	20,358	20,546	20,034	69,302	57,140	66,626
69,167	0,242	0,435	0,536	0,144	0,252	62,185	19,753	23,042	20,738	20,645	20,300	20,366	20,543	20,032	69,290	57,148	66,633
69,334	0,237	0,443	0,536	0,142	0,252	62,128	19,732	23,959	20,745	20,651	20,299	20,360	20,522	20,031	69,282	57,147	66,636
69,500	0,242	0,446	0,536	0,146	0,255	62,147	19,723	18,123	20,753	20,661	20,313	20,371	20,558	20,038	69,268	57,147	66,618
69,667	0,235	0,441	0,536	0,147	0,259	62,122	19,728	19,591	20,748	20,666	20,315	20,372	20,550	20,036	69,146	57,144	66,601
69,834	0,227	0,435	0,536	0,151	0,252	62,143	19,749	17,497	20,745	20,674	20,299	20,362	20,548	20,031	69,313	57,142	66,575
70,000	0,231	0,423	0,536	0,149	0,253	62,157	19,749	26,898	20,757	20,680	20,315	20,349	20,556	20,034	69,282	57,144	66,553
70,167	0,230	0,414	0,536	0,151	0,257	62,136	19,729	23,790	20,762	20,688	20,285	20,356	20,548	20,031	69,074	57,147	66,528
70,334	0,230	0,411	0,536	0,146	0,246	62,183	19,749	17,730	20,757	20,661	20,303	20,348	20,551	20,031	69,171	57,148	66,506
70,500	0,231	0,416	0,536	0,151	0,258	62,146	19,739	21,968	20,760	20,678	20,296	20,363	20,552	20,032	69,115	57,146	66,494
70,667	0,230	0,427	0,536	0,149	0,252	62,138	19,744	18,519	20,772	20,680	20,296	20,359	20,555	20,032	69,232	57,138	66,478
70,833	0,226	0,437	0,536	0,150	0,255	62,142	19,783	22,563	20,786	20,679	20,300	20,368	20,561	20,035	69,043	57,134	66,466
71,000	0,222	0,441	0,536	0,150	0,254	62,125	19,793	25,201	20,789	20,688	20,309	20,366	20,556	20,036	69,081	57,128	66,464
71,167	0,227	0,443	0,536	0,144	0,251	62,099	19,778	15,815	20,770	20,693	20,309	20,349	20,563	20,032	69,045	57,121	66,467
71,333	0,225	0,441	0,536	0,146	0,252	62,089	19,766	16,358	20,768	20,697	20,302	20,368	20,556	20,032	68,857	57,116	66,456
71,500	0,221	0,446	0,536	0,146	0,260	62,082	19,749	19,426	20,774	20,700	20,299	20,366	20,560	20,036	68,890	57,108	66,435
71,667	0,221	0,456	0,536	0,148	0,260	62,063	19,748	19,847	20,795	20,708	20,312	20,367	20,551	20,039	68,987	57,103	66,415
71,833	0,220	0,457	0,536	0,145	0,250	62,021	19,752	15,967	20,787	20,693	20,311	20,367	20,565	20,034	69,074	57,097	66,375

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
67,167	55,090	0,400	0,397	5149,498	5762,453	84,874	8,294	512,962	5,819	10,172	4,118	2017-09-14 11:54
67,333	55,093	0,401	0,397	5155,137	5683,287	94,303	8,233	513,149	6,260	9,943	4,071	2017-09-14 11:54
67,500	55,095	0,401	0,397	5151,132	5647,139	121,140	7,813	513,055	5,947	10,320	4,147	2017-09-14 11:55
67,667	55,095	0,401	0,397	5171,595	5670,750	117,384	7,274	512,963	5,784	10,001	4,083	2017-09-14 11:55
67,834	55,097	0,401	0,397	5217,424	5623,573	123,346	7,072	513,055	6,001	10,089	4,101	2017-09-14 11:55
68,000	55,094	0,401	0,397	5240,181	5781,397	161,392	6,672	512,962	6,042	10,439	4,171	2017-09-14 11:55
68,167	55,090	0,401	0,397	5247,065	5653,298	229,675	6,281	513,055	5,896	10,239	4,131	2017-09-14 11:55
68,334	55,091	0,401	0,397	5243,524	5633,742	314,462	6,075	512,962	6,038	9,921	4,066	2017-09-14 11:55
68,500	55,093	0,401	0,397	5253,959	5656,082	299,189	5,959	512,962	5,935	10,229	4,129	2017-09-14 11:56
68,667	55,093	0,400	0,397	5263,972	5629,525	244,876	5,811	512,962	6,167	10,120	4,107	2017-09-14 11:56
68,834	55,093	0,401	0,397	5244,428	5605,459	280,854	5,797	512,963	6,006	10,443	4,172	2017-09-14 11:56
69,000	55,094	0,400	0,397	5249,128	5571,955	282,202	5,815	512,962	5,612	9,997	4,082	2017-09-14 11:56
69,167	55,094	0,400	0,397	5251,362	5565,254	271,848	5,869	512,962	5,774	10,065	4,096	2017-09-14 11:56
69,334	55,097	0,401	0,397	5251,902	5568,718	239,011	6,068	512,962	5,695	10,089	4,101	2017-09-14 11:56
69,500	55,103	0,401	0,398	5243,666	5561,974	267,314	6,151	512,963	5,835	10,202	4,123	2017-09-14 11:57
69,667	55,103	0,401	0,397	5231,521	5506,080	224,349	6,015	512,963	5,863	10,362	4,156	2017-09-14 11:57
69,834	55,101	0,401	0,397	5218,290	5582,847	179,466	5,865	512,962	6,031	10,064	4,095	2017-09-14 11:57
70,000	55,099	0,401	0,397	5211,055	5570,266	200,010	5,586	512,962	5,956	10,127	4,108	2017-09-14 11:57
70,167	55,095	0,401	0,397	5202,591	5472,599	197,005	5,349	512,962	6,043	10,279	4,139	2017-09-14 11:57
70,334	55,095	0,401	0,397	5190,596	5512,584	194,336	5,274	512,962	5,856	9,846	4,051	2017-09-14 11:57
70,500	55,087	0,401	0,397	5189,572	5488,695	199,385	5,405	513,055	6,046	10,308	4,145	2017-09-14 11:58
70,667	55,076	0,401	0,397	5186,808	5547,617	194,382	5,676	512,962	5,944	10,088	4,100	2017-09-14 11:58
70,833	55,068	0,401	0,397	5182,789	5463,191	169,619	5,914	512,962	5,987	10,194	4,122	2017-09-14 11:58
71,000	55,058	0,400	0,397	5188,733	5477,919	145,215	6,024	512,962	5,989	10,142	4,111	2017-09-14 11:58
71,167	55,055	0,401	0,397	5190,047	5469,932	177,867	6,069	512,962	5,758	10,053	4,093	2017-09-14 11:58
71,333	55,050	0,401	0,397	5187,063	5384,257	163,532	6,013	512,962	5,837	10,065	4,096	2017-09-14 11:58
71,500	55,051	0,401	0,397	5177,984	5402,517	142,143	6,155	512,963	5,857	10,399	4,163	2017-09-14 11:59
71,667	55,050	0,401	0,397	5170,517	5451,460	138,384	6,406	512,962	5,940	10,406	4,165	2017-09-14 11:59
71,833	55,046	0,401	0,397	5154,570	5494,983	132,501	6,423	512,962	5,811	9,981	4,079	2017-09-14 11:59

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
72,000	0,221	0,452	0,536	0,148	0,259	62,032	19,770	16,068	20,781	20,710	20,309	20,364	20,565	20,039	69,109	57,091	66,362
72,167	0,221	0,444	0,536	0,147	0,251	62,020	19,757	21,659	20,789	20,709	20,309	20,356	20,568	20,036	68,907	57,087	66,357
72,333	0,221	0,450	0,535	0,142	0,259	62,045	19,750	19,292	20,787	20,726	20,309	20,350	20,576	20,035	69,160	57,085	66,375
72,500	0,221	0,469	0,535	0,144	0,254	62,044	19,773	20,451	20,794	20,708	20,302	20,353	20,573	20,039	68,961	57,078	66,382
72,667	0,219	0,477	0,535	0,152	0,252	61,992	19,770	18,647	20,802	20,725	20,312	20,368	20,565	20,042	69,078	57,074	66,370
72,833	0,219	0,480	0,535	0,139	0,255	61,988	19,748	22,724	20,800	20,725	20,298	20,366	20,575	20,039	69,151	57,076	66,362
73,000	0,223	0,481	0,536	0,150	0,251	62,025	19,743	19,424	20,807	20,723	20,306	20,356	20,580	20,038	68,980	57,073	66,340
73,167	0,226	0,475	0,535	0,148	0,250	62,029	19,744	18,029	20,823	20,733	20,311	20,362	20,589	20,040	69,152	57,070	66,334
73,333	0,228	0,461	0,535	0,149	0,252	62,036	19,773	15,323	20,815	20,746	20,298	20,353	20,581	20,042	68,958	57,064	66,361
73,500	0,237	0,444	0,535	0,145	0,258	61,994	19,777	16,216	20,814	20,738	20,302	20,364	20,588	20,042	69,031	57,056	66,380
73,667	0,246	0,425	0,535	0,157	0,258	61,986	19,777	17,577	20,831	20,746	20,316	20,364	20,592	20,043	68,960	57,044	66,359
73,833	0,272	0,415	0,535	0,150	0,250	61,959	19,790	17,412	20,816	20,746	20,304	20,375	20,580	20,043	68,961	57,038	66,324
74,000	0,263	0,414	0,535	0,150	0,252	61,933	19,813	17,509	20,823	20,774	20,321	20,383	20,593	20,047	68,896	57,038	66,308
74,167	0,237	0,419	0,535	0,146	0,254	61,994	19,785	18,990	20,824	20,746	20,303	20,367	20,596	20,046	68,806	57,035	66,326
74,333	0,231	0,427	0,535	0,151	0,254	61,968	19,815	14,982	20,824	20,764	20,323	20,372	20,606	20,050	69,015	57,035	66,308
74,500	0,231	0,438	0,535	0,142	0,253	61,928	19,804	19,902	20,844	20,767	20,315	20,376	20,607	20,052	68,836	57,031	66,264
74,667	0,228	0,445	0,535	0,145	0,261	61,935	19,800	21,946	20,841	20,760	20,311	20,368	20,611	20,047	68,801	57,030	66,249
74,834	0,224	0,450	0,535	0,144	0,248	61,878	19,812	15,775	20,833	20,777	20,323	20,382	20,592	20,050	68,653	57,025	66,229
75,000	0,224	0,451	0,536	0,149	0,249	61,866	19,796	26,414	20,865	20,777	20,325	20,380	20,602	20,051	68,922	57,021	66,206
75,167	0,232	0,445	0,535	0,146	0,250	61,821	19,811	22,380	20,846	20,785	20,316	20,357	20,610	20,051	68,907	57,013	66,184
75,334	0,231	0,435	0,535	0,148	0,247	61,924	19,819	13,603	20,839	20,797	20,306	20,382	20,621	20,052	68,844	57,006	66,179
75,500	0,231	0,417	0,535	0,152	0,238	61,957	19,824	14,699	20,865	20,793	20,315	20,372	20,623	20,052	68,724	56,994	66,191
75,667	0,233	0,397	0,535	0,150	0,246	61,976	19,829	21,803	20,855	20,801	20,311	20,365	20,610	20,054	68,667	56,984	66,188
75,834	0,237	0,382	0,535	0,146	0,252	62,015	19,807	25,394	20,882	20,806	20,308	20,386	20,617	20,055	68,522	56,974	66,188
76,000	0,234	0,377	0,535	0,152	0,256	62,009	19,802	21,379	20,871	20,799	20,329	20,378	20,630	20,056	68,556	56,972	66,179
76,167	0,232	0,381	0,535	0,142	0,257	62,039	19,793	18,657	20,882	20,814	20,333	20,374	20,626	20,058	68,663	56,970	66,173
76,334	0,226	0,392	0,535	0,155	0,250	62,084	19,786	13,635	20,883	20,822	20,324	20,374	20,625	20,056	68,813	56,975	66,141
76,500	0,223	0,403	0,535	0,147	0,254	62,082	19,781	11,359	20,879	20,822	20,323	20,378	20,635	20,060	68,690	56,974	66,099
76,667	0,225	0,417	0,535	0,151	0,256	62,056	19,801	13,715	20,897	20,819	20,327	20,386	20,649	20,063	68,727	56,974	66,097

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
72,000	55,046	0,401	0,397	5151,408	5514,719	138,971	6,288	512,962	5,930	10,364	4,156	2017-09-14 11:59
72,167	55,044	0,401	0,397	5148,229	5420,745	141,150	6,093	512,963	5,889	10,021	4,087	2017-09-14 11:59
72,333	55,043	0,401	0,397	5153,852	5539,852	141,695	6,259	512,820	5,671	10,355	4,154	2017-09-14 11:59
72,500	55,036	0,401	0,397	5161,100	5450,868	138,554	6,717	512,820	5,777	10,172	4,117	2017-09-14 12:00
72,667	55,027	0,401	0,397	5154,942	5508,218	124,086	6,917	512,820	6,094	10,073	4,097	2017-09-14 12:00
72,833	55,019	0,400	0,397	5158,735	5533,037	129,096	7,000	512,820	5,562	10,194	4,122	2017-09-14 12:00
73,000	55,014	0,401	0,396	5141,829	5460,313	148,613	7,015	512,963	6,016	10,034	4,089	2017-09-14 12:00
73,167	55,011	0,401	0,397	5144,905	5539,839	169,164	6,881	512,820	5,918	10,013	4,085	2017-09-14 12:00
73,333	55,007	0,400	0,397	5162,799	5449,444	182,391	6,523	512,820	5,965	10,098	4,102	2017-09-14 12:00
73,500	55,007	0,400	0,397	5170,049	5487,633	240,231	6,092	512,820	5,811	10,324	4,148	2017-09-14 12:01
73,667	55,007	0,401	0,397	5163,836	5466,062	297,893	5,616	512,832	6,260	10,321	4,148	2017-09-14 12:01
73,833	55,007	0,400	0,397	5145,731	5462,720	459,034	5,366	512,820	5,999	9,992	4,081	2017-09-14 12:01
74,000	55,006	0,400	0,397	5136,540	5432,236	400,507	5,348	512,820	5,999	10,093	4,101	2017-09-14 12:01
74,167	55,006	0,400	0,397	5146,662	5394,305	238,028	5,467	512,820	5,848	10,147	4,112	2017-09-14 12:01
74,333	55,001	0,400	0,397	5136,740	5488,659	201,265	5,680	512,820	6,059	10,167	4,116	2017-09-14 12:01
74,500	54,996	0,400	0,397	5121,053	5408,573	203,255	5,944	512,820	5,693	10,126	4,108	2017-09-14 12:02
74,667	54,987	0,401	0,396	5114,880	5402,918	182,176	6,133	512,820	5,805	10,444	4,172	2017-09-14 12:02
74,834	54,983	0,401	0,397	5112,925	5333,769	159,713	6,246	512,820	5,760	9,913	4,065	2017-09-14 12:02
75,000	54,976	0,401	0,397	5109,105	5459,579	159,331	6,285	512,962	5,957	9,949	4,072	2017-09-14 12:02
75,167	54,972	0,401	0,397	5101,137	5453,124	208,154	6,136	512,820	5,857	9,988	4,080	2017-09-14 12:02
75,334	54,969	0,400	0,396	5087,428	5423,543	201,900	5,865	512,757	5,921	9,872	4,056	2017-09-14 12:02
75,500	54,969	0,400	0,396	5094,869	5376,108	202,098	5,430	512,820	6,095	9,536	3,987	2017-09-14 12:03
75,667	54,969	0,400	0,397	5097,405	5351,721	213,491	4,916	512,820	6,017	9,821	4,046	2017-09-14 12:03
75,834	54,967	0,400	0,397	5099,739	5293,548	239,431	4,540	512,820	5,847	10,066	4,096	2017-09-14 12:03
76,000	54,965	0,400	0,396	5083,884	5303,064	219,311	4,423	512,820	6,063	10,226	4,128	2017-09-14 12:03
76,167	54,961	0,400	0,396	5091,900	5353,385	208,814	4,531	512,820	5,700	10,267	4,137	2017-09-14 12:03
76,334	54,960	0,400	0,396	5074,877	5422,189	171,940	4,808	512,820	6,200	10,003	4,083	2017-09-14 12:03
76,500	54,955	0,400	0,396	5058,858	5362,215	153,310	5,070	512,819	5,875	10,154	4,114	2017-09-14 12:04
76,667	54,948	0,400	0,396	5062,605	5379,988	162,132	5,413	512,820	6,040	10,258	4,135	2017-09-14 12:04

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
76,834	0,226	0,433	0,535	0,139	0,254	62,058	19,798	18,353	20,896	20,820	20,323	20,399	20,629	20,063	68,727	56,963	66,106
77,000	0,226	0,449	0,536	0,148	0,255	62,072	19,798	23,293	20,891	20,817	20,333	20,383	20,642	20,062	68,596	56,954	66,115
77,167	0,227	0,457	0,535	0,142	0,252	62,005	19,787	26,432	20,910	20,827	20,322	20,387	20,634	20,060	68,546	56,955	66,109
77,334	0,227	0,459	0,535	0,148	0,254	61,972	19,795	20,606	20,901	20,828	20,326	20,378	20,630	20,059	68,577	56,944	66,093
77,500	0,227	0,459	0,535	0,150	0,256	62,012	19,789	19,380	20,899	20,832	20,327	20,396	20,648	20,059	68,569	56,940	66,048
77,667	0,227	0,454	0,535	0,143	0,260	61,958	19,780	23,944	20,921	20,847	20,316	20,388	20,663	20,064	68,861	56,932	65,997
77,833	0,227	0,439	0,535	0,144	0,260	61,933	19,768	22,643	20,918	20,849	20,344	20,395	20,635	20,060	68,806	56,935	65,975
78,000	0,228	0,428	0,535	0,140	0,259	61,906	19,812	28,367	20,909	20,841	20,315	20,397	20,651	20,060	68,486	56,925	65,985
78,167	0,229	0,426	0,535	0,149	0,252	61,920	19,789	29,659	20,923	20,852	20,319	20,379	20,644	20,060	68,653	56,921	66,039
78,333	0,227	0,428	0,535	0,147	0,260	61,945	19,797	26,131	20,910	20,845	20,336	20,384	20,658	20,059	68,478	56,905	66,057
78,500	0,229	0,434	0,535	0,146	0,260	61,949	19,808	25,756	20,929	20,853	20,333	20,387	20,648	20,062	68,527	56,908	66,033
78,667	0,233	0,433	0,535	0,152	0,246	61,940	19,804	16,255	20,933	20,856	20,323	20,386	20,656	20,060	68,503	56,908	66,002
78,833	0,232	0,428	0,535	0,146	0,251	61,932	19,794	16,761	20,930	20,866	20,335	20,394	20,669	20,063	68,518	56,919	65,977
79,000	0,227	0,432	0,535	0,147	0,253	61,981	19,802	15,069	20,925	20,860	20,329	20,391	20,660	20,062	68,611	56,923	65,932
79,167	0,223	0,445	0,535	0,146	0,244	61,940	19,805	17,612	20,942	20,871	20,322	20,381	20,674	20,067	68,500	56,921	65,907
79,333	0,224	0,457	0,535	0,143	0,254	61,965	19,802	23,837	20,943	20,888	20,324	20,396	20,660	20,068	68,494	56,919	65,923
79,500	0,220	0,466	0,535	0,147	0,244	62,011	19,814	25,234	20,945	20,874	20,318	20,391	20,682	20,068	68,568	56,909	65,935
79,667	0,221	0,469	0,535	0,142	0,254	61,992	19,797	24,696	20,939	20,894	20,328	20,391	20,672	20,067	68,638	56,907	65,943
79,833	0,224	0,459	0,535	0,145	0,245	62,023	19,791	21,906	20,941	20,886	20,327	20,382	20,681	20,067	68,700	56,901	65,909
80,000	0,232	0,439	0,535	0,147	0,252	62,014	19,794	27,788	20,938	20,886	20,336	20,399	20,682	20,071	68,619	56,901	65,920
80,167	0,228	0,417	0,535	0,150	0,252	62,021	19,780	26,835	20,947	20,890	20,332	20,403	20,693	20,068	68,445	56,901	65,952
80,333	0,227	0,411	0,535	0,146	0,250	62,044	19,773	22,258	20,960	20,902	20,330	20,395	20,682	20,070	68,681	56,899	65,956
80,500	0,225	0,416	0,535	0,141	0,246	62,029	19,781	21,078	20,950	20,907	20,347	20,398	20,687	20,072	68,488	56,903	65,963
80,667	0,224	0,426	0,535	0,151	0,252	62,038	19,777	28,877	20,950	20,896	20,347	20,387	20,687	20,071	68,589	56,908	65,932
80,833	0,225	0,427	0,535	0,144	0,251	62,011	19,793	28,012	20,958	20,911	20,347	20,402	20,684	20,072	68,595	56,909	65,893
81,000	0,224	0,416	0,535	0,150	0,254	62,022	19,780	19,526	20,967	20,907	20,341	20,398	20,701	20,071	68,530	56,912	65,894
81,167	0,224	0,400	0,535	0,146	0,256	61,980	19,786	14,721	20,975	20,912	20,334	20,405	20,687	20,072	68,545	56,907	65,885
81,334	0,222	0,386	0,535	0,152	0,252	62,023	19,799	20,122	20,958	20,913	20,345	20,404	20,697	20,072	68,624	56,901	65,896
81,500	0,224	0,383	0,535	0,146	0,255	61,994	19,809	27,138	20,967	20,922	20,340	20,399	20,702	20,072	68,418	56,899	65,890

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
76,834	54,941	0,400	0,396	5069,943	5387,425	170,436	5,826	512,819	5,568	10,143	4,111	2017-09-14 12:04
77,000	54,937	0,400	0,397	5078,986	5336,522	169,810	6,213	512,962	5,916	10,211	4,125	2017-09-14 12:04
77,167	54,935	0,400	0,396	5073,412	5305,955	178,187	6,436	512,820	5,696	10,097	4,102	2017-09-14 12:04
77,334	54,935	0,400	0,397	5073,336	5332,482	178,410	6,466	512,820	5,924	10,145	4,112	2017-09-14 12:04
77,500	54,931	0,400	0,397	5053,826	5329,534	178,264	6,478	512,820	5,993	10,225	4,128	2017-09-14 12:05
77,667	54,932	0,400	0,397	5028,637	5468,419	173,583	6,342	512,820	5,704	10,413	4,166	2017-09-14 12:05
77,833	54,936	0,400	0,397	5015,098	5439,039	178,073	5,976	512,820	5,769	10,419	4,167	2017-09-14 12:05
78,000	54,943	0,400	0,396	5014,226	5289,339	184,062	5,709	512,820	5,581	10,375	4,158	2017-09-14 12:05
78,167	54,947	0,400	0,396	5033,669	5367,669	188,454	5,646	512,726	5,980	10,074	4,097	2017-09-14 12:05
78,333	54,951	0,400	0,396	5044,128	5295,443	174,233	5,711	512,726	5,898	10,417	4,167	2017-09-14 12:05
78,500	54,952	0,400	0,396	5032,798	5315,673	186,182	5,857	512,748	5,849	10,408	4,165	2017-09-14 12:06
78,667	54,949	0,400	0,397	5022,331	5310,300	211,796	5,836	512,820	6,091	9,841	4,050	2017-09-14 12:06
78,833	54,947	0,400	0,397	5013,217	5315,953	208,186	5,688	512,726	5,840	10,054	4,093	2017-09-14 12:06
79,000	54,945	0,400	0,397	4993,905	5353,710	175,686	5,796	512,726	5,865	10,130	4,109	2017-09-14 12:06
79,167	54,944	0,400	0,397	4981,775	5298,517	149,457	6,123	512,726	5,838	9,765	4,034	2017-09-14 12:06
79,333	54,939	0,399	0,397	4991,881	5291,231	156,586	6,420	512,726	5,725	10,140	4,111	2017-09-14 12:06
79,500	54,939	0,400	0,397	4995,003	5337,673	135,007	6,655	512,726	5,875	9,779	4,037	2017-09-14 12:07
79,667	54,940	0,400	0,397	5004,938	5374,842	136,247	6,736	512,726	5,673	10,163	4,116	2017-09-14 12:07
79,833	54,947	0,401	0,397	4982,080	5409,345	156,138	6,472	512,820	5,819	9,786	4,039	2017-09-14 12:07
80,000	54,953	0,400	0,397	4985,208	5365,363	205,858	5,976	512,726	5,900	10,094	4,102	2017-09-14 12:07
80,167	54,953	0,401	0,397	5001,015	5293,378	182,384	5,427	512,726	5,995	10,087	4,100	2017-09-14 12:07
80,333	54,955	0,400	0,397	5000,659	5397,764	178,830	5,264	512,726	5,829	10,014	4,085	2017-09-14 12:07
80,500	54,955	0,401	0,397	5002,630	5313,072	167,090	5,398	512,726	5,640	9,835	4,049	2017-09-14 12:08
80,667	54,952	0,400	0,397	4987,669	5354,757	157,017	5,653	512,726	6,051	10,093	4,102	2017-09-14 12:08
80,833	54,952	0,400	0,396	4963,568	5348,365	161,628	5,685	512,726	5,774	10,035	4,090	2017-09-14 12:08
81,000	54,949	0,400	0,396	4961,147	5318,041	156,896	5,408	512,726	6,006	10,159	4,115	2017-09-14 12:08
81,167	54,949	0,400	0,396	4964,289	5323,492	156,382	4,997	512,726	5,845	10,229	4,129	2017-09-14 12:08
81,334	54,944	0,400	0,397	4974,455	5365,839	148,001	4,652	512,726	6,082	10,072	4,097	2017-09-14 12:08
81,500	54,943	0,400	0,397	4973,748	5273,312	155,117	4,583	512,726	5,834	10,189	4,121	2017-09-14 12:09

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
81,667	0,223	0,389	0,535	0,147	0,245	62,019	19,815	26,339	20,984	20,919	20,352	20,398	20,704	20,074	68,529	56,895	65,874
81,834	0,223	0,406	0,535	0,148	0,259	62,006	19,833	20,643	20,962	20,917	20,339	20,400	20,708	20,074	68,550	56,895	65,872
82,000	0,223	0,422	0,535	0,145	0,255	62,017	19,853	14,426	20,981	20,926	20,344	20,403	20,718	20,078	68,537	56,890	65,862
82,167	0,223	0,428	0,535	0,143	0,242	62,000	19,845	17,993	20,988	20,936	20,345	20,391	20,707	20,076	68,557	56,890	65,866
82,334	0,228	0,421	0,535	0,150	0,255	62,022	19,849	27,519	20,994	20,917	20,336	20,394	20,720	20,075	68,544	56,889	65,881
82,500	0,225	0,411	0,535	0,151	0,255	61,989	19,835	28,137	20,993	20,929	20,351	20,394	20,706	20,078	68,385	56,892	65,884
82,667	0,227	0,406	0,535	0,144	0,253	61,966	19,820	23,931	21,001	20,949	20,357	20,391	20,727	20,079	68,344	56,890	65,889
82,834	0,229	0,400	0,535	0,147	0,252	61,960	19,832	20,560	20,988	20,936	20,339	20,396	20,715	20,076	68,169	56,885	65,889
83,000	0,226	0,409	0,535	0,148	0,246	61,893	19,828	22,717	20,989	20,942	20,347	20,430	20,726	20,082	68,090	56,886	65,863
83,167	0,224	0,424	0,535	0,145	0,261	61,909	19,811	18,523	20,992	20,944	20,342	20,406	20,735	20,083	68,277	56,888	65,822
83,334	0,227	0,437	0,535	0,151	0,256	61,867	19,814	21,557	21,009	20,951	20,344	20,402	20,727	20,082	68,325	56,890	65,772
83,500	0,230	0,435	0,535	0,145	0,257	61,884	19,800	28,917	21,007	20,946	20,353	20,403	20,733	20,083	68,312	56,896	65,726
83,667	0,232	0,424	0,535	0,143	0,253	61,907	19,801	24,980	21,000	20,954	20,351	20,403	20,733	20,083	68,072	56,878	65,704
83,834	0,235	0,418	0,535	0,147	0,259	61,941	19,768	16,196	21,024	20,953	20,359	20,415	20,743	20,083	68,033	56,870	65,700
84,000	0,234	0,413	0,535	0,150	0,245	61,924	19,793	21,871	21,010	20,983	20,356	20,416	20,740	20,086	68,056	56,866	65,694
84,167	0,235	0,405	0,534	0,156	0,247	61,970	19,774	22,853	21,001	20,963	20,353	20,407	20,740	20,083	68,013	56,861	65,669
84,333	0,238	0,397	0,535	0,148	0,249	61,921	19,807	18,936	21,005	20,962	20,363	20,400	20,746	20,083	68,088	56,854	65,634
84,500	0,238	0,388	0,535	0,152	0,243	61,980	19,785	13,790	21,018	20,961	20,348	20,429	20,757	20,088	68,140	56,856	65,617
84,667	0,235	0,390	0,534	0,144	0,251	61,994	19,768	11,965	21,027	20,974	20,356	20,408	20,748	20,086	68,184	56,856	65,586
84,833	0,226	0,405	0,535	0,147	0,257	61,931	19,784	17,462	21,029	20,976	20,361	20,427	20,756	20,090	68,154	56,852	65,567
85,000	0,226	0,425	0,534	0,148	0,249	61,941	19,796	23,026	21,026	20,988	20,346	20,416	20,757	20,090	68,215	56,845	65,570
85,167	0,226	0,440	0,534	0,139	0,252	61,954	19,783	15,659	21,032	20,982	20,364	20,435	20,771	20,094	68,195	56,834	65,572
85,333	0,225	0,437	0,534	0,151	0,256	61,935	19,780	17,001	21,025	20,966	20,355	20,429	20,775	20,087	68,134	56,833	65,589
85,500	0,229	0,425	0,535	0,147	0,252	61,954	19,772	14,867	21,031	20,989	20,363	20,418	20,769	20,092	68,048	56,831	65,597
85,667	0,229	0,418	0,534	0,145	0,253	61,959	19,793	12,035	21,015	20,980	20,368	20,412	20,766	20,090	68,055	56,829	65,605
85,833	0,228	0,411	0,534	0,143	0,255	61,945	19,819	17,582	21,021	20,993	20,354	20,422	20,775	20,094	68,156	56,834	65,591
86,000	0,229	0,407	0,534	0,147	0,251	61,922	19,814	20,275	21,031	20,992	20,356	20,416	20,760	20,094	68,036	56,837	65,585
86,167	0,232	0,405	0,534	0,150	0,258	61,863	19,802	17,426	21,044	20,992	20,365	20,435	20,790	20,094	68,200	56,850	65,587
86,333	0,232	0,403	0,534	0,152	0,254	61,923	19,803	24,686	21,044	20,995	20,373	20,443	20,787	20,097	67,915	56,861	65,605

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
81,667	54,947	0,400	0,397	4971,388	5331,215	153,678	4,721	512,726	5,861	9,812	4,044	2017-09-14 12:09
81,834	54,949	0,400	0,397	4962,121	5337,264	153,668	5,159	512,726	5,905	10,342	4,152	2017-09-14 12:09
82,000	54,949	0,400	0,397	4957,543	5331,018	151,983	5,543	512,726	5,788	10,181	4,119	2017-09-14 12:09
82,167	54,952	0,400	0,396	4955,285	5337,267	151,997	5,703	512,726	5,729	9,666	4,014	2017-09-14 12:09
82,334	54,952	0,400	0,397	4966,768	5338,303	183,242	5,534	512,726	5,991	10,210	4,125	2017-09-14 12:09
82,500	54,952	0,400	0,397	4970,862	5262,317	166,044	5,274	512,726	6,022	10,203	4,124	2017-09-14 12:10
82,667	54,952	0,400	0,397	4972,032	5243,902	176,294	5,146	512,726	5,773	10,101	4,103	2017-09-14 12:10
82,834	54,949	0,400	0,397	4974,044	5167,756	189,681	5,006	512,726	5,864	10,095	4,102	2017-09-14 12:10
83,000	54,947	0,400	0,396	4956,208	5128,078	170,665	5,214	512,726	5,917	9,843	4,050	2017-09-14 12:10
83,167	54,943	0,400	0,396	4940,156	5208,660	155,728	5,592	512,726	5,792	10,440	4,171	2017-09-14 12:10
83,334	54,939	0,400	0,396	4914,336	5231,747	175,140	5,914	512,726	6,043	10,237	4,131	2017-09-14 12:10
83,500	54,940	0,400	0,397	4899,468	5223,397	193,753	5,876	512,726	5,800	10,280	4,139	2017-09-14 12:11
83,667	54,940	0,400	0,397	4897,456	5129,563	210,065	5,611	512,726	5,712	10,104	4,104	2017-09-14 12:11
83,834	54,939	0,400	0,397	4895,954	5113,526	228,313	5,451	512,726	5,892	10,359	4,155	2017-09-14 12:11
84,000	54,943	0,400	0,397	4886,669	5125,361	222,038	5,332	512,726	5,984	9,812	4,044	2017-09-14 12:11
84,167	54,944	0,400	0,397	4880,167	5107,018	225,818	5,132	512,633	6,230	9,893	4,061	2017-09-14 12:11
84,333	54,941	0,400	0,397	4859,544	5144,155	243,399	4,918	512,726	5,928	9,975	4,077	2017-09-14 12:11
84,500	54,940	0,400	0,397	4850,649	5163,797	245,619	4,704	512,727	6,060	9,712	4,023	2017-09-14 12:12
84,667	54,940	0,400	0,397	4836,275	5188,667	225,579	4,742	512,633	5,749	10,039	4,090	2017-09-14 12:12
84,833	54,937	0,400	0,397	4830,739	5175,619	172,951	5,128	512,726	5,875	10,280	4,139	2017-09-14 12:12
85,000	54,943	0,400	0,397	4834,147	5208,885	171,256	5,635	512,633	5,929	9,953	4,073	2017-09-14 12:12
85,167	54,963	0,400	0,397	4822,067	5203,492	170,891	5,994	512,633	5,559	10,065	4,096	2017-09-14 12:12
85,333	54,981	0,400	0,397	4820,379	5169,441	165,801	5,928	512,633	6,053	10,255	4,134	2017-09-14 12:12
85,500	54,993	0,400	0,397	4815,962	5131,914	188,037	5,637	512,726	5,894	10,076	4,098	2017-09-14 12:13
85,667	55,006	0,400	0,397	4814,419	5140,480	187,853	5,451	512,633	5,817	10,115	4,106	2017-09-14 12:13
85,833	55,014	0,400	0,397	4805,390	5184,279	185,143	5,269	512,633	5,734	10,209	4,125	2017-09-14 12:13
86,000	55,018	0,400	0,397	4804,801	5128,639	190,341	5,174	512,633	5,870	10,031	4,089	2017-09-14 12:13
86,167	55,022	0,400	0,397	4802,949	5198,819	205,646	5,121	512,633	6,019	10,326	4,149	2017-09-14 12:13
86,333	55,024	0,400	0,397	4810,451	5064,584	205,211	5,070	512,632	6,100	10,167	4,116	2017-09-14 12:13

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
86,500	0,229	0,402	0,534	0,150	0,250	61,874	19,791	14,837	21,034	21,004	20,367	20,428	20,785	20,097	67,773	56,864	65,610
86,667	0,225	0,408	0,534	0,151	0,248	61,849	19,787	14,146	21,042	21,000	20,368	20,424	20,779	20,094	68,030	56,872	65,599
86,833	0,223	0,418	0,534	0,148	0,254	61,858	19,788	19,984	21,052	21,013	20,386	20,440	20,796	20,099	67,935	56,885	65,556
87,000	0,222	0,435	0,534	0,150	0,245	61,834	19,772	22,947	21,047	21,008	20,373	20,437	20,792	20,099	67,892	56,885	65,504
87,167	0,220	0,456	0,534	0,149	0,254	61,834	19,720	13,281	21,065	21,005	20,371	20,432	20,785	20,099	68,016	56,886	65,465
87,333	0,219	0,465	0,534	0,145	0,249	61,869	19,758	19,249	21,072	21,025	20,384	20,434	20,806	20,107	68,052	56,888	65,447
87,500	0,220	0,467	0,534	0,145	0,257	61,872	19,788	29,137	21,090	21,020	20,385	20,439	20,823	20,108	68,010	56,885	65,438
87,667	0,221	0,466	0,534	0,149	0,237	61,813	19,780	26,438	21,068	21,026	20,379	20,435	20,793	20,104	67,944	56,882	65,450
87,833	0,219	0,465	0,534	0,149	0,241	61,801	19,782	16,437	21,075	21,029	20,384	20,447	20,824	20,105	68,173	56,881	65,463
88,000	0,222	0,459	0,534	0,148	0,250	61,836	19,778	19,852	21,059	21,027	20,368	20,430	20,823	20,101	67,978	56,889	65,478
88,167	0,222	0,453	0,534	0,142	0,249	61,791	19,783	21,779	21,071	21,030	20,389	20,445	20,823	20,101	67,991	56,899	65,467
88,334	0,221	0,447	0,534	0,142	0,248	61,812	19,792	19,362	21,069	21,023	20,381	20,443	20,811	20,100	67,986	56,901	65,504
88,500	0,223	0,446	0,534	0,149	0,250	61,793	19,775	48,845	21,076	21,031	20,390	20,453	20,823	20,105	68,013	56,909	65,520
88,667	0,227	0,448	0,534	0,146	0,260	61,783	19,782	12,942	21,051	21,026	20,376	20,439	20,830	20,101	68,094	56,912	65,505
88,834	0,227	0,448	0,534	0,152	0,250	61,741	19,753	19,334	21,060	21,045	20,381	20,457	20,812	20,108	68,166	56,917	65,486
89,000	0,227	0,446	0,534	0,149	0,257	61,702	19,767	15,713	21,063	21,054	20,379	20,454	20,840	20,107	68,114	56,925	65,478
89,167	0,233	0,451	0,534	0,153	0,258	61,649	19,769	22,312	21,075	21,041	20,383	20,440	20,837	20,108	68,199	56,927	65,493
89,334	0,235	0,454	0,534	0,152	0,251	61,625	19,786	12,229	21,085	21,035	20,379	20,452	20,834	20,111	68,113	56,928	65,525
89,500	0,231	0,458	0,534	0,148	0,249	61,620	19,791	16,662	21,080	21,051	20,388	20,445	20,834	20,108	68,118	56,925	65,541
89,667	0,231	0,453	0,534	0,141	0,250	61,582	19,781	18,885	21,093	21,029	20,402	20,443	20,847	20,108	68,086	56,933	65,571
89,834	0,234	0,444	0,534	0,141	0,258	61,631	19,784	16,822	21,085	21,034	20,402	20,449	20,840	20,109	68,196	56,939	65,590
90,000	0,244	0,442	0,534	0,147	0,251	61,668	19,778	14,444	21,080	21,049	20,394	20,451	20,851	20,112	68,180	56,943	65,593
90,167	0,250	0,439	0,534	0,150	0,250	61,696	19,792	19,077	21,077	21,043	20,396	20,453	20,841	20,109	68,101	56,955	65,574
90,334	0,241	0,437	0,534	0,146	0,259	61,730	19,798	14,641	21,088	21,055	20,383	20,456	20,859	20,111	68,144	56,960	65,581
90,500	0,233	0,441	0,534	0,151	0,258	61,699	19,802	13,077	21,092	21,046	20,392	20,462	20,857	20,112	68,148	56,972	65,583
90,667	0,230	0,444	0,534	0,155	0,257	61,668	19,801	14,885	21,084	21,046	20,391	20,448	20,855	20,111	68,152	56,976	65,579
90,834	0,229	0,449	0,534	0,147	0,250	61,654	19,773	20,056	21,094	21,073	20,381	20,460	20,858	20,112	67,981	56,978	65,579
91,000	0,227	0,450	0,534	0,145	0,252	61,664	19,788	16,325	21,114	21,052	20,402	20,448	20,855	20,112	67,950	56,974	65,589
91,167	0,224	0,450	0,534	0,145	0,251	61,662	19,787	17,444	21,085	21,077	20,393	20,462	20,867	20,113	68,086	56,968	65,595

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
86,500	55,024	0,400	0,397	4815,690	4996,719	188,777	5,046	512,633	5,997	10,016	4,086	2017-09-14 12:14
86,667	55,027	0,400	0,397	4810,608	5112,733	163,455	5,197	512,633	6,029	9,904	4,063	2017-09-14 12:14
86,833	55,030	0,400	0,397	4784,146	5062,438	149,881	5,449	512,632	5,916	10,145	4,112	2017-09-14 12:14
87,000	55,034	0,400	0,397	4758,692	5039,851	144,224	5,883	512,633	5,983	9,797	4,041	2017-09-14 12:14
87,167	55,048	0,400	0,397	4737,980	5098,356	133,776	6,389	512,633	5,968	10,172	4,117	2017-09-14 12:14
87,333	55,062	0,400	0,397	4718,348	5109,407	123,892	6,630	512,633	5,808	9,948	4,072	2017-09-14 12:14
87,500	55,072	0,400	0,396	4706,451	5091,007	130,795	6,679	512,633	5,818	10,280	4,139	2017-09-14 12:15
87,667	55,079	0,400	0,397	4713,875	5064,112	140,017	6,658	512,633	5,974	9,481	3,975	2017-09-14 12:15
87,833	55,083	0,400	0,397	4718,444	5175,439	128,950	6,624	512,633	5,946	9,654	4,011	2017-09-14 12:15
88,000	55,087	0,400	0,397	4721,096	5080,630	147,761	6,482	512,633	5,907	9,990	4,080	2017-09-14 12:15
88,167	55,089	0,400	0,396	4709,265	5082,651	142,331	6,315	512,633	5,693	9,970	4,076	2017-09-14 12:15
88,334	55,090	0,400	0,396	4723,972	5074,843	141,493	6,171	512,633	5,694	9,934	4,069	2017-09-14 12:15
88,500	55,091	0,400	0,396	4735,706	5088,692	154,241	6,157	512,633	5,941	10,001	4,083	2017-09-14 12:16
88,667	55,091	0,400	0,396	4727,752	5125,563	174,410	6,211	512,633	5,858	10,395	4,162	2017-09-14 12:16
88,834	55,094	0,400	0,397	4722,932	5155,372	176,940	6,203	512,633	6,062	10,005	4,084	2017-09-14 12:16
89,000	55,103	0,400	0,397	4715,265	5124,693	179,038	6,150	512,633	5,979	10,262	4,136	2017-09-14 12:16
89,167	55,111	0,400	0,397	4719,838	5162,174	211,935	6,263	512,633	6,135	10,310	4,145	2017-09-14 12:16
89,334	55,115	0,400	0,397	4731,683	5123,350	224,064	6,356	512,632	6,086	10,049	4,092	2017-09-14 12:16
89,500	55,126	0,400	0,397	4736,679	5121,808	201,487	6,462	512,632	5,907	9,943	4,071	2017-09-14 12:17
89,667	55,130	0,400	0,397	4748,801	5110,111	198,909	6,323	512,633	5,648	10,019	4,086	2017-09-14 12:17
89,834	55,135	0,400	0,397	4756,742	5157,754	223,240	6,108	512,632	5,633	10,308	4,145	2017-09-14 12:17
90,000	55,141	0,401	0,397	4750,217	5156,420	284,846	6,038	512,539	5,881	10,039	4,090	2017-09-14 12:17
90,167	55,137	0,401	0,397	4744,700	5110,153	319,604	5,974	512,539	5,991	10,002	4,083	2017-09-14 12:17
90,334	55,126	0,400	0,397	4748,400	5119,834	265,816	5,925	512,539	5,857	10,359	4,155	2017-09-14 12:17
90,500	55,110	0,400	0,396	4756,207	5122,428	214,443	6,013	512,539	6,040	10,310	4,145	2017-09-14 12:18
90,667	55,094	0,400	0,397	4762,932	5118,218	194,392	6,105	512,539	6,187	10,269	4,137	2017-09-14 12:18
90,834	55,082	0,400	0,397	4771,000	5041,820	190,775	6,229	512,632	5,878	9,990	4,080	2017-09-14 12:18
91,000	55,079	0,400	0,397	4778,507	5030,753	178,903	6,260	512,539	5,780	10,087	4,100	2017-09-14 12:18
91,167	55,076	0,400	0,397	4780,791	5094,300	160,909	6,247	512,539	5,794	10,045	4,092	2017-09-14 12:18

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
91,333	0,224	0,448	0,534	0,150	0,255	61,694	19,782	21,277	21,107	21,063	20,401	20,459	20,876	20,115	67,946	56,963	65,578
91,500	0,228	0,448	0,534	0,140	0,244	61,634	19,792	15,126	21,109	21,069	20,401	20,448	20,865	20,115	68,098	56,956	65,558
91,667	0,231	0,449	0,534	0,144	0,251	61,657	19,798	17,164	21,114	21,073	20,409	20,457	20,882	20,116	68,092	56,952	65,560
91,833	0,234	0,449	0,534	0,142	0,258	61,670	19,799	16,582	21,109	21,072	20,402	20,447	20,878	20,117	67,978	56,951	65,551
92,000	0,228	0,455	0,534	0,146	0,255	61,632	19,806	21,063	21,096	21,085	20,408	20,457	20,893	20,116	67,974	56,948	65,525
92,167	0,225	0,457	0,534	0,142	0,251	61,646	19,792	16,548	21,118	21,056	20,414	20,460	20,876	20,117	68,033	56,946	65,519
92,333	0,227	0,457	0,534	0,140	0,247	61,678	19,787	21,026	21,109	21,060	20,400	20,461	20,895	20,119	67,837	56,946	65,517
92,500	0,226	0,462	0,534	0,150	0,252	61,643	19,786	21,702	21,105	21,077	20,397	20,461	20,883	20,116	68,185	56,944	65,512
92,667	0,229	0,474	0,534	0,137	0,252	61,656	19,769	28,362	21,111	21,062	20,414	20,466	20,895	20,119	68,278	56,943	65,494
92,833	0,228	0,489	0,534	0,148	0,254	61,667	19,766	25,277	21,114	21,089	20,419	20,456	20,880	20,120	68,316	56,947	65,469
93,000	0,225	0,490	0,534	0,147	0,248	61,666	19,721	21,434	21,114	21,068	20,416	20,465	20,910	20,119	68,243	56,942	65,486
93,167	0,230	0,472	0,534	0,152	0,250	61,648	19,742	24,896	21,115	21,080	20,413	20,472	20,901	20,120	68,133	56,932	65,531
93,333	0,239	0,455	0,533	0,144	0,260	61,614	19,759	20,965	21,106	21,087	20,413	20,472	20,913	20,120	68,075	56,920	65,585
93,500	0,244	0,443	0,533	0,139	0,258	61,580	19,710	22,513	21,100	21,085	20,438	20,478	20,904	20,123	68,129	56,912	65,602
93,667	0,245	0,436	0,534	0,145	0,251	61,616	19,709	20,978	21,100	21,071	20,408	20,463	20,909	20,117	68,086	56,912	65,605
93,833	0,243	0,437	0,534	0,143	0,251	61,652	19,735	16,125	21,105	21,081	20,417	20,460	20,916	20,120	68,212	56,912	65,610
94,000	0,234	0,439	0,533	0,144	0,238	61,622	19,740	16,995	21,098	21,074	20,416	20,473	20,904	20,123	68,117	56,921	65,599
94,167	0,234	0,436	0,533	0,153	0,251	61,667	19,752	27,167	21,097	21,085	20,405	20,477	20,934	20,125	67,960	56,917	65,585
94,333	0,237	0,432	0,534	0,144	0,249	61,644	19,723	21,100	21,089	21,081	20,416	20,486	20,920	20,125	68,061	56,923	65,591
94,500	0,235	0,427	0,533	0,144	0,251	61,649	19,727	18,429	21,110	21,077	20,425	20,480	20,927	20,124	68,216	56,923	65,583
94,667	0,229	0,428	0,534	0,137	0,250	61,665	19,743	23,617	21,101	21,102	20,429	20,482	20,934	20,125	68,166	56,921	65,554
94,833	0,229	0,429	0,533	0,145	0,255	61,649	19,746	23,254	21,101	21,081	20,417	20,481	20,921	20,124	68,185	56,923	65,546
95,000	0,229	0,425	0,533	0,151	0,244	61,581	19,748	20,328	21,102	21,085	20,439	20,482	20,938	20,125	67,989	56,921	65,564
95,167	0,238	0,421	0,534	0,144	0,254	61,556	19,793	23,916	21,091	21,064	20,423	20,476	20,947	20,124	68,013	56,912	65,579
95,334	0,238	0,412	0,533	0,147	0,247	61,479	19,780	20,224	21,097	21,087	20,439	20,486	20,942	20,127	68,123	56,905	65,567
95,500	0,239	0,413	0,533	0,144	0,245	61,485	19,808	16,530	21,100	21,089	20,421	20,486	20,955	20,127	67,935	56,896	65,555
95,667	0,240	0,415	0,533	0,143	0,250	61,475	19,782	16,109	21,079	21,096	20,433	20,493	20,946	20,128	67,938	56,893	65,529
95,834	0,238	0,410	0,534	0,145	0,245	61,471	19,767	20,807	21,083	21,089	20,430	20,485	20,955	20,129	68,070	56,895	65,535
96,000	0,234	0,411	0,533	0,147	0,249	61,474	19,768	12,737	21,101	21,092	20,435	20,492	20,956	20,136	67,956	56,892	65,540

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
91,333	55,080	0,400	0,397	4770,987	5031,795	158,699	6,203	512,539	6,001	10,182	4,120	2017-09-14 12:18
91,500	55,086	0,400	0,397	4756,802	5105,949	185,727	6,210	512,539	5,616	9,762	4,034	2017-09-14 12:19
91,667	55,090	0,401	0,397	4756,470	5107,951	203,766	6,229	512,539	5,749	10,022	4,087	2017-09-14 12:19
91,833	55,091	0,400	0,397	4757,637	5052,957	221,389	6,230	512,539	5,687	10,317	4,147	2017-09-14 12:19
92,000	55,093	0,400	0,397	4741,321	5052,844	183,656	6,364	512,539	5,850	10,215	4,126	2017-09-14 12:19
92,167	55,087	0,400	0,397	4741,733	5078,388	161,416	6,437	512,539	5,666	10,040	4,091	2017-09-14 12:19
92,333	55,076	0,400	0,397	4742,708	4988,791	174,000	6,436	512,539	5,587	9,888	4,059	2017-09-14 12:19
92,500	55,062	0,400	0,397	4751,808	5151,930	168,938	6,552	512,539	6,002	10,079	4,099	2017-09-14 12:20
92,667	55,050	0,401	0,397	4752,361	5197,564	190,574	6,862	512,539	5,492	10,091	4,101	2017-09-14 12:20
92,833	55,042	0,401	0,397	4742,605	5218,350	185,119	7,226	512,536	5,915	10,160	4,115	2017-09-14 12:20
93,000	55,036	0,400	0,397	4752,529	5177,332	166,711	7,248	512,539	5,886	9,928	4,068	2017-09-14 12:20
93,167	55,036	0,400	0,397	4773,240	5133,914	197,450	6,803	512,539	6,064	9,994	4,081	2017-09-14 12:20
93,333	55,038	0,400	0,397	4794,378	5109,279	251,554	6,368	512,445	5,768	10,414	4,166	2017-09-14 12:20
93,500	55,039	0,400	0,397	4801,742	5141,628	284,905	6,070	512,445	5,548	10,306	4,145	2017-09-14 12:21
93,667	55,040	0,401	0,397	4798,242	5123,154	286,392	5,910	512,538	5,785	10,054	4,093	2017-09-14 12:21
93,833	55,042	0,400	0,397	4804,203	5172,746	278,849	5,932	512,539	5,715	10,038	4,090	2017-09-14 12:21
94,000	55,043	0,400	0,397	4798,682	5127,782	217,212	5,971	512,445	5,757	9,539	3,987	2017-09-14 12:21
94,167	55,036	0,400	0,397	4797,765	5055,442	217,476	5,906	512,445	6,138	10,038	4,090	2017-09-14 12:21
94,333	55,030	0,400	0,397	4797,294	5105,017	236,697	5,809	512,538	5,743	9,968	4,076	2017-09-14 12:21
94,500	55,018	0,400	0,397	4800,368	5174,168	228,327	5,664	512,445	5,767	10,050	4,093	2017-09-14 12:22
94,667	55,010	0,400	0,397	4791,603	5154,585	191,644	5,694	512,532	5,500	10,015	4,086	2017-09-14 12:22
94,833	55,006	0,400	0,397	4795,873	5161,833	187,429	5,721	512,445	5,781	10,215	4,126	2017-09-14 12:22
95,000	55,004	0,400	0,397	4799,377	5068,556	189,291	5,632	512,445	6,039	9,771	4,036	2017-09-14 12:22
95,167	55,003	0,400	0,397	4806,787	5085,095	246,940	5,518	512,539	5,754	10,168	4,117	2017-09-14 12:22
95,334	55,004	0,400	0,397	4803,227	5137,493	247,843	5,290	512,445	5,877	9,876	4,057	2017-09-14 12:22
95,500	55,006	0,401	0,397	4792,530	5060,889	250,084	5,313	512,445	5,778	9,786	4,039	2017-09-14 12:23
95,667	55,010	0,401	0,397	4781,065	5063,877	260,577	5,364	512,445	5,720	9,996	4,082	2017-09-14 12:23
95,834	55,007	0,400	0,397	4785,014	5118,545	245,644	5,255	512,539	5,781	9,805	4,042	2017-09-14 12:23
96,000	55,008	0,400	0,397	4789,904	5071,844	219,488	5,276	512,445	5,864	9,967	4,076	2017-09-14 12:23

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
96,167	0,230	0,417	0,533	0,142	0,259	61,430	19,776	17,788	21,095	21,104	20,446	20,492	20,951	20,135	68,048	56,888	65,509
96,334	0,233	0,425	0,533	0,144	0,246	61,418	19,785	20,465	21,109	21,113	20,435	20,501	20,960	20,136	68,041	56,889	65,484
96,500	0,232	0,432	0,533	0,146	0,252	61,428	19,815	18,736	21,105	21,112	20,442	20,502	20,975	20,143	67,894	56,886	65,477
96,667	0,229	0,433	0,533	0,144	0,244	61,403	19,777	22,407	21,101	21,108	20,454	20,490	20,970	20,143	68,005	56,884	65,463
96,834	0,229	0,428	0,533	0,147	0,250	61,398	19,788	16,047	21,104	21,111	20,450	20,504	20,987	20,145	67,947	56,874	65,467
97,000	0,228	0,421	0,533	0,149	0,258	61,423	19,788	15,662	21,130	21,109	20,463	20,509	20,972	20,145	67,965	56,873	65,466
97,167	0,233	0,418	0,533	0,151	0,247	61,457	19,765	12,725	21,089	21,102	20,445	20,501	20,975	20,133	68,041	56,864	65,461
97,334	0,237	0,412	0,533	0,146	0,250	61,452	19,820	15,378	21,118	21,101	20,441	20,501	20,976	20,135	67,917	56,861	65,438
97,500	0,241	0,409	0,533	0,143	0,248	61,454	19,833	19,156	21,117	21,096	20,458	20,507	20,984	20,137	67,882	56,854	65,423
97,667	0,239	0,410	0,533	0,145	0,247	61,483	19,841	20,096	21,103	21,126	20,457	20,513	20,983	20,145	67,971	56,852	65,428
97,833	0,236	0,407	0,533	0,142	0,248	61,521	19,824	17,811	21,109	21,107	20,462	20,493	20,985	20,144	67,975	56,845	65,426
98,000	0,235	0,405	0,533	0,145	0,257	61,583	19,848	18,733	21,133	21,114	20,459	20,515	20,985	20,145	67,995	56,841	65,409
98,167	0,229	0,416	0,534	0,151	0,244	61,595	19,822	15,519	21,113	21,113	20,459	20,500	20,990	20,143	67,971	56,842	65,404
98,333	0,225	0,427	0,533	0,147	0,249	61,618	19,826	21,468	21,101	21,112	20,474	20,504	21,006	20,147	68,043	56,839	65,397
98,500	0,222	0,433	0,533	0,145	0,249	61,675	19,840	16,081	21,111	21,111	20,476	20,510	21,006	20,147	67,946	56,837	65,395
98,667	0,221	0,438	0,533	0,144	0,244	61,671	19,806	18,258	21,097	21,118	20,464	20,506	21,000	20,143	67,901	56,837	65,399
98,833	0,224	0,449	0,533	0,139	0,251	61,670	19,888	26,509	21,121	21,108	20,470	20,505	21,014	20,147	67,943	56,833	65,414
99,000	0,221	0,462	0,533	0,145	0,257	61,678	19,862	19,209	21,104	21,121	20,462	20,530	21,000	20,151	67,886	56,834	65,408
99,167	0,222	0,467	0,533	0,155	0,252	61,645	19,873	18,421	21,116	21,116	20,467	20,513	21,034	20,149	68,083	56,827	65,393
99,333	0,221	0,467	0,533	0,151	0,253	61,656	19,950	19,076	21,111	21,117	20,483	20,513	21,017	20,144	68,064	56,830	65,387
99,500	0,220	0,459	0,533	0,142	0,189	61,625	19,904	14,114	21,118	21,121	20,463	20,517	21,015	20,147	67,990	56,821	65,384
99,667	0,219	0,451	0,533	0,140	0,082	61,651	19,883	18,168	21,141	21,147	20,461	20,510	21,039	20,149	68,083	56,819	65,399
99,833	0,224	0,453	0,533	0,139	0,059	61,651	19,924	26,351	21,161	21,141	20,467	20,519	21,034	20,147	68,040	56,809	65,423
100,000	0,226	0,464	0,533	0,136	0,058	61,658	19,903	19,204	21,165	21,155	20,474	20,528	21,035	20,151	68,118	56,807	65,436
100,167	0,227	0,467	0,533	0,142	0,059	61,674	19,896	18,881	21,164	21,147	20,483	20,538	21,023	20,149	68,149	56,801	65,442
100,333	0,224	0,460	0,533	0,140	0,058	61,661	19,896	21,897	21,171	21,151	20,476	20,532	21,047	20,149	68,157	56,796	65,455
100,500	0,231	0,447	0,533	0,144	0,058	61,745	19,912	17,575	21,172	21,147	20,481	20,532	21,038	20,149	68,185	56,799	65,471
100,667	0,243	0,422	0,533	0,142	0,059	61,731	19,953	20,461	21,186	21,163	20,472	20,532	21,042	20,152	68,158	56,807	65,484
100,833	0,249	0,410	0,533	0,140	0,060	61,742	19,949	18,889	21,189	21,164	20,474	20,530	21,051	20,152	67,826	56,811	65,497

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
96,167	55,001	0,400	0,397	4775,549	5113,856	197,898	5,436	512,445	5,688	10,363	4,156	2017-09-14 12:23
96,334	54,993	0,401	0,397	4767,845	5112,793	216,969	5,635	512,445	5,774	9,845	4,051	2017-09-14 12:23
96,500	54,987	0,401	0,397	4771,353	5047,969	207,334	5,805	512,445	5,829	10,071	4,097	2017-09-14 12:24
96,667	54,977	0,400	0,397	4765,990	5091,523	189,941	5,832	512,445	5,752	9,771	4,035	2017-09-14 12:24
96,834	54,977	0,400	0,397	4766,312	5072,442	187,999	5,690	512,445	5,869	9,987	4,080	2017-09-14 12:24
97,000	54,973	0,400	0,397	4765,730	5080,819	182,787	5,525	512,445	5,966	10,326	4,148	2017-09-14 12:24
97,167	54,973	0,400	0,397	4766,604	5120,602	214,231	5,447	512,445	6,058	9,886	4,059	2017-09-14 12:24
97,334	54,973	0,400	0,397	4757,425	5060,873	239,164	5,293	512,445	5,828	9,988	4,080	2017-09-14 12:24
97,500	54,971	0,400	0,396	4746,129	5050,529	261,640	5,237	512,445	5,727	9,919	4,066	2017-09-14 12:25
97,667	54,971	0,400	0,397	4755,396	5094,065	248,527	5,243	512,445	5,796	9,890	4,060	2017-09-14 12:25
97,833	54,968	0,400	0,397	4752,085	5101,866	230,405	5,164	512,445	5,676	9,930	4,068	2017-09-14 12:25
98,000	54,967	0,400	0,397	4744,111	5107,754	227,486	5,123	512,445	5,789	10,296	4,142	2017-09-14 12:25
98,167	54,968	0,400	0,397	4744,083	5099,973	190,921	5,391	512,538	6,046	9,753	4,032	2017-09-14 12:25
98,333	54,961	0,400	0,397	4743,796	5135,231	161,562	5,686	512,445	5,881	9,951	4,072	2017-09-14 12:25
98,500	54,955	0,401	0,397	4749,689	5093,839	145,909	5,828	512,445	5,819	9,968	4,076	2017-09-14 12:26
98,667	54,951	0,401	0,397	4751,553	5072,394	141,594	5,945	512,445	5,747	9,746	4,030	2017-09-14 12:26
98,833	54,949	0,401	0,397	4760,712	5096,033	155,864	6,215	512,351	5,566	10,047	4,092	2017-09-14 12:26
99,000	54,945	0,401	0,397	4757,831	5069,454	139,610	6,539	512,445	5,810	10,281	4,139	2017-09-14 12:26
99,167	54,944	0,400	0,397	4750,652	5156,941	143,571	6,669	512,445	6,193	10,066	4,096	2017-09-14 12:26
99,333	54,943	0,400	0,397	4747,729	5146,552	136,469	6,685	512,445	6,059	10,111	4,105	2017-09-14 12:26
99,500	54,937	0,400	0,397	4747,435	5119,291	132,119	6,486	512,351	5,660	7,561	3,550	2017-09-14 12:27
99,667	54,943	0,400	0,397	4755,232	5163,045	125,914	6,269	512,351	5,581	3,274	2,336	2017-09-14 12:27
99,833	54,939	0,400	0,397	4764,590	5146,129	158,442	6,324	512,351	5,543	2,344	1,976	2017-09-14 12:27
100,000	54,933	0,401	0,397	4777,435	5188,661	171,686	6,590	512,351	5,454	2,333	1,972	2017-09-14 12:27
100,167	54,933	0,400	0,396	4772,572	5200,651	177,301	6,685	512,351	5,679	2,376	1,990	2017-09-14 12:27
100,333	54,925	0,400	0,396	4782,365	5204,603	159,925	6,488	512,352	5,611	2,333	1,972	2017-09-14 12:27
100,500	54,924	0,400	0,397	4793,082	5214,450	202,262	6,183	512,445	5,773	2,322	1,967	2017-09-14 12:28
100,667	54,920	0,400	0,397	4799,946	5196,271	274,669	5,545	512,445	5,663	2,364	1,985	2017-09-14 12:28
100,833	54,918	0,401	0,397	4807,168	5049,561	315,553	5,252	512,351	5,585	2,405	2,002	2017-09-14 12:28

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
101,000	0,236	0,407	0,533	0,139	0,061	61,737	19,941	23,882	21,173	21,177	20,465	20,515	21,055	20,155	68,040	56,814	65,512
101,167	0,232	0,411	0,533	0,135	0,059	61,723	19,968	20,816	21,182	21,168	20,470	20,535	21,047	20,155	68,106	56,813	65,515
101,333	0,228	0,415	0,533	0,141	0,059	61,710	20,000	16,681	21,200	21,201	20,491	20,544	21,052	20,161	68,065	56,814	65,500
101,500	0,224	0,426	0,533	0,134	0,060	61,668	20,043	17,591	21,194	21,209	20,472	20,539	21,056	20,155	68,090	56,814	65,482
101,667	0,226	0,440	0,533	0,131	0,057	61,708	20,068	21,159	21,215	21,202	20,471	20,531	21,059	20,159	68,061	56,814	65,486
101,834	0,222	0,443	0,533	0,136	0,057	61,717	20,028	18,653	21,198	21,197	20,484	20,539	21,048	20,156	68,118	56,811	65,492
102,000	0,218	0,448	0,533	0,138	0,059	61,714	19,984	23,584	21,214	21,204	20,503	20,547	21,073	20,165	68,095	56,811	65,490
102,167	0,217	0,464	0,533	0,138	0,057	61,678	20,056	25,004	21,210	21,197	20,482	20,552	21,072	20,160	68,006	56,811	65,488
102,334	0,219	0,476	0,533	0,140	0,062	61,679	20,015	27,978	21,204	21,209	20,500	20,550	21,057	20,167	68,056	56,810	65,490
102,500	0,223	0,482	0,533	0,136	0,059	61,668	20,010	21,154	21,201	21,205	20,496	20,551	21,072	20,160	67,956	56,807	65,493
102,667	0,220	0,485	0,533	0,142	0,058	61,615	19,981	20,649	21,219	21,210	20,501	20,546	21,066	20,159	67,983	56,806	65,485
102,834	0,224	0,466	0,533	0,140	0,057	61,586	19,975	24,334	21,219	21,209	20,503	20,546	21,085	20,167	68,109	56,796	65,481
103,000	0,227	0,443	0,533	0,131	0,058	61,593	19,974	24,305	21,228	21,215	20,505	20,555	21,099	20,167	68,133	56,799	65,485
103,167	0,234	0,439	0,533	0,133	0,058	61,601	20,057	24,325	21,236	21,239	20,508	20,547	21,077	20,168	68,090	56,792	65,488
103,334	0,233	0,446	0,533	0,140	0,058	61,588	19,935	24,317	21,247	21,235	20,503	20,565	21,095	20,175	68,103	56,795	65,504
103,500	0,229	0,456	0,532	0,137	0,056	61,607	19,968	24,321	21,238	21,236	20,508	20,546	21,102	20,167	68,072	56,792	65,509
103,667	0,223	0,467	0,532	0,142	0,058	61,571	19,958	24,331	21,240	21,232	20,501	20,559	21,076	20,167	68,189	56,780	65,519
103,834	0,224	0,473	0,533	0,137	0,055	61,552	19,966	24,326	21,265	21,239	20,503	20,555	21,115	20,172	68,061	56,786	65,515
104,000	0,224	0,468	0,531	0,137	0,058	61,531	19,966	24,317	21,251	21,226	20,504	20,558	21,094	20,168	67,979	56,787	65,516
104,167	0,221	0,464	0,533	0,136	0,109	61,578	19,971	24,311	21,252	21,256	20,524	20,566	21,110	20,179	68,245	56,792	65,516
104,334	0,222	0,462	0,532	0,139	0,152	61,607	19,971	24,224	21,235	21,235	20,507	20,556	21,116	20,172	68,107	56,791	65,508
104,500	0,221	0,469	0,532	0,148	0,268	61,626	20,000	24,055	21,221	21,227	20,512	20,564	21,095	20,176	68,068	56,784	65,500
104,667	0,221	0,482	0,532	0,143	0,253	61,651	20,022	23,872	21,227	21,236	20,505	20,575	21,099	20,179	68,113	56,784	65,513
104,833	0,222	0,485	0,532	0,152	0,253	61,662	19,992	23,721	21,227	21,225	20,500	20,569	21,103	20,177	68,180	56,782	65,516
105,000	0,221	0,482	0,532	0,142	0,258	61,688	19,992	23,611	21,212	21,235	20,517	20,580	21,114	20,179	68,269	56,776	65,485
105,167	0,223	0,474	0,532	0,146	0,261	61,701	19,999	23,537	21,235	21,246	20,516	20,587	21,137	20,186	68,215	56,779	65,486
105,333	0,226	0,457	0,532	0,142	0,257	61,742	19,982	23,462	21,233	21,234	20,515	20,585	21,115	20,179	68,300	56,776	65,521
105,500	0,224	0,449	0,532	0,140	0,256	61,771	20,054	23,437	21,233	21,238	20,527	20,588	21,140	20,192	68,259	56,770	65,541
105,667	0,223	0,455	0,532	0,148	0,254	61,771	20,021	23,365	21,250	21,230	20,520	20,584	21,140	20,183	68,257	56,767	65,555

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
101,000	54,916	0,400	0,397	4817,716	5141,271	234,008	5,163	512,351	5,557	2,431	2,013	2017-09-14 12:28
101,167	54,917	0,400	0,397	4819,857	5176,115	205,201	5,287	512,351	5,412	2,359	1,983	2017-09-14 12:28
101,333	54,918	0,401	0,396	4803,796	5158,273	182,395	5,387	512,445	5,646	2,346	1,977	2017-09-14 12:28
101,500	54,917	0,400	0,396	4798,267	5167,286	155,336	5,655	512,351	5,369	2,410	2,004	2017-09-14 12:29
101,667	54,916	0,400	0,397	4803,770	5147,975	169,577	6,011	512,351	5,249	2,273	1,947	2017-09-14 12:29
101,834	54,914	0,400	0,397	4809,567	5180,885	145,076	6,065	512,351	5,441	2,290	1,954	2017-09-14 12:29
102,000	54,910	0,401	0,397	4806,235	5173,109	119,479	6,208	512,445	5,501	2,351	1,979	2017-09-14 12:29
102,167	54,906	0,400	0,396	4805,601	5122,337	116,731	6,608	512,351	5,508	2,267	1,944	2017-09-14 12:29
102,334	54,904	0,400	0,397	4808,809	5149,738	126,991	6,907	512,351	5,616	2,472	2,030	2017-09-14 12:29
102,500	54,900	0,401	0,397	4811,582	5116,845	150,520	7,061	512,351	5,454	2,375	1,990	2017-09-14 12:30
102,667	54,900	0,400	0,397	4809,732	5123,801	135,827	7,114	512,351	5,683	2,320	1,966	2017-09-14 12:30
102,834	54,896	0,401	0,397	4809,444	5186,897	160,353	6,651	512,351	5,597	2,286	1,952	2017-09-14 12:30
103,000	54,894	0,400	0,396	4809,119	5189,055	177,954	6,081	512,352	5,234	2,319	1,966	2017-09-14 12:30
103,167	54,890	0,400	0,396	4812,164	5171,607	219,700	5,963	512,351	5,331	2,335	1,973	2017-09-14 12:30
103,334	54,890	0,400	0,396	4819,221	5174,667	214,037	6,150	512,352	5,616	2,312	1,963	2017-09-14 12:30
103,500	54,892	0,400	0,396	4819,054	5165,178	191,390	6,396	512,316	5,463	2,246	1,935	2017-09-14 12:31
103,667	54,886	0,400	0,397	4833,466	5226,041	154,498	6,686	512,258	5,673	2,335	1,973	2017-09-14 12:31
103,834	54,881	0,401	0,397	4832,254	5173,409	159,543	6,818	512,352	5,467	2,215	1,921	2017-09-14 12:31
104,000	54,880	0,401	0,397	4832,222	5132,973	156,180	6,705	512,121	5,480	2,311	1,963	2017-09-14 12:31
104,167	54,874	0,400	0,396	4830,537	5245,499	141,282	6,605	512,351	5,447	4,362	2,696	2017-09-14 12:31
104,334	54,872	0,400	0,396	4828,366	5185,031	142,751	6,545	512,258	5,550	6,094	3,187	2017-09-14 12:31
104,500	54,874	0,400	0,396	4819,626	5167,834	136,247	6,731	512,258	5,922	10,719	4,227	2017-09-14 12:32
104,667	54,868	0,400	0,396	4826,963	5186,311	140,232	7,050	512,258	5,723	10,123	4,108	2017-09-14 12:32
104,833	54,866	0,400	0,396	4832,939	5216,273	147,786	7,127	512,258	6,065	10,126	4,108	2017-09-14 12:32
105,000	54,870	0,400	0,396	4820,588	5260,785	141,073	7,044	512,258	5,673	10,326	4,148	2017-09-14 12:32
105,167	54,882	0,400	0,397	4819,821	5235,966	149,669	6,848	512,258	5,852	10,438	4,171	2017-09-14 12:32
105,333	54,898	0,400	0,397	4829,190	5280,954	168,744	6,418	512,258	5,686	10,295	4,142	2017-09-14 12:32
105,500	54,906	0,400	0,397	4833,652	5265,236	160,467	6,225	512,258	5,584	10,226	4,128	2017-09-14 12:33
105,667	54,912	0,400	0,396	4829,921	5259,845	149,471	6,369	512,258	5,926	10,167	4,116	2017-09-14 12:33

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
105,833	0,224	0,459	0,532	0,141	0,259	61,795	20,008	23,350	21,233	21,239	20,528	20,592	21,119	20,186	67,979	56,770	65,574
106,000	0,228	0,457	0,532	0,152	0,264	61,787	20,015	23,311	21,247	21,240	20,536	20,593	21,130	20,184	68,118	56,778	65,587
106,167	0,231	0,457	0,532	0,150	0,256	61,776	20,024	23,302	21,241	21,237	20,529	20,592	21,126	20,185	68,331	56,787	65,597
106,333	0,232	0,454	0,532	0,146	0,261	61,764	20,037	23,278	21,247	21,240	20,524	20,592	21,130	20,184	68,440	56,801	65,587
106,500	0,236	0,452	0,532	0,143	0,254	61,780	20,033	23,257	21,237	21,233	20,525	20,589	21,143	20,183	68,395	56,805	65,578
106,667	0,230	0,449	0,532	0,139	0,254	61,786	20,029	23,263	21,251	21,258	20,540	20,609	21,135	20,190	68,246	56,817	65,605
106,833	0,227	0,445	0,532	0,140	0,263	61,756	20,066	23,246	21,243	21,246	20,535	20,617	21,149	20,193	68,278	56,817	65,655
107,000	0,229	0,449	0,532	0,144	0,252	61,802	20,047	23,210	21,229	21,233	20,528	20,604	21,128	20,185	68,382	56,819	65,683
107,167	0,227	0,455	0,532	0,146	0,255	61,804	20,062	23,195	21,239	21,235	20,541	20,583	21,139	20,183	68,379	56,818	65,686
107,333	0,223	0,460	0,531	0,151	0,252	61,796	20,045	23,191	21,238	21,235	20,538	20,611	21,143	20,189	68,371	56,819	65,680
107,500	0,221	0,457	0,533	0,144	0,255	61,790	20,046	23,215	21,234	21,247	20,544	20,602	21,153	20,193	68,385	56,827	65,668
107,667	0,222	0,448	0,532	0,149	0,252	61,847	20,023	23,204	21,246	21,237	20,542	20,602	21,160	20,194	68,270	56,838	65,668
107,833	0,222	0,432	0,532	0,147	0,257	61,862	20,050	23,191	21,238	21,247	20,531	20,595	21,162	20,190	68,321	56,838	65,691
108,000	0,224	0,412	0,532	0,150	0,258	61,819	20,060	23,170	21,233	21,237	20,540	20,605	21,157	20,186	68,285	56,845	65,695
108,167	0,227	0,403	0,532	0,143	0,261	61,816	20,080	23,166	21,235	21,229	20,533	20,601	21,151	20,188	68,328	56,848	65,695
108,333	0,225	0,403	0,532	0,150	0,261	61,841	20,093	23,147	21,255	21,233	20,553	20,610	21,168	20,194	68,253	56,853	65,706
108,500	0,224	0,407	0,531	0,142	0,266	61,856	20,063	23,173	21,243	21,248	20,554	20,609	21,174	20,193	68,347	56,858	65,715
108,667	0,227	0,418	0,531	0,147	0,258	61,800	20,074	23,177	21,245	21,254	20,558	20,609	21,170	20,196	68,169	56,862	65,725
108,834	0,223	0,429	0,532	0,149	0,266	61,782	20,062	23,176	21,256	21,246	20,561	20,616	21,168	20,197	68,258	56,869	65,717
109,000	0,224	0,437	0,531	0,144	0,255	61,761	20,064	23,157	21,256	21,241	20,536	20,619	21,164	20,197	68,406	56,872	65,717
109,167	0,223	0,434	0,531	0,151	0,262	61,775	20,064	23,153	21,245	21,247	20,552	20,622	21,186	20,196	68,395	56,872	65,713
109,334	0,222	0,428	0,531	0,157	0,264	61,824	20,045	23,161	21,239	21,247	20,542	20,616	21,183	20,197	68,277	56,873	65,702
109,500	0,225	0,422	0,531	0,148	0,256	61,822	20,076	23,167	21,264	21,262	20,562	20,624	21,176	20,205	68,313	56,878	65,696
109,667	0,228	0,420	0,531	0,141	0,257	61,789	20,067	23,160	21,260	21,259	20,560	20,624	21,189	20,204	68,142	56,880	65,700
109,834	0,233	0,426	0,531	0,150	0,251	61,865	20,072	23,134	21,270	21,242	20,561	20,622	21,191	20,202	68,171	56,888	65,696
110,000	0,236	0,429	0,531	0,151	0,251	61,910	20,099	23,118	21,266	21,254	20,570	20,621	21,186	20,204	68,389	56,886	65,682
110,167	0,228	0,441	0,531	0,144	0,256	61,908	20,074	23,105	21,257	21,255	20,558	20,634	21,208	20,205	68,339	56,889	65,694
110,334	0,227	0,456	0,531	0,150	0,253	61,943	20,089	23,103	21,255	21,266	20,561	20,630	21,199	20,205	68,212	56,893	65,686
110,500	0,220	0,466	0,531	0,145	0,262	61,977	20,092	23,096	21,267	21,258	20,570	20,629	21,199	20,208	68,387	56,897	65,686

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
105,833	54,912	0,400	0,396	4836,166	5129,947	159,126	6,474	512,258	5,631	10,364	4,156	2017-09-14 12:33
106,000	54,913	0,400	0,396	4841,378	5188,675	181,960	6,419	512,258	6,074	10,571	4,197	2017-09-14 12:33
106,167	54,914	0,400	0,396	4845,352	5279,618	200,604	6,426	512,258	5,984	10,249	4,133	2017-09-14 12:33
106,333	54,916	0,400	0,396	4836,302	5326,365	210,413	6,351	512,258	5,852	10,423	4,168	2017-09-14 12:33
106,500	54,914	0,400	0,396	4835,241	5301,983	234,803	6,292	512,258	5,739	10,150	4,113	2017-09-14 12:34
106,667	54,917	0,400	0,396	4847,010	5232,045	196,515	6,235	512,258	5,568	10,145	4,112	2017-09-14 12:34
106,833	54,921	0,400	0,396	4869,071	5249,799	179,035	6,126	512,258	5,599	10,531	4,190	2017-09-14 12:34
107,000	54,928	0,400	0,396	4877,600	5292,297	190,959	6,214	512,258	5,759	10,060	4,095	2017-09-14 12:34
107,167	54,937	0,400	0,396	4878,429	5290,861	177,784	6,376	512,258	5,823	10,186	4,120	2017-09-14 12:34
107,333	54,948	0,400	0,396	4871,598	5287,087	153,664	6,506	512,143	6,030	10,094	4,102	2017-09-14 12:34
107,500	54,955	0,400	0,396	4857,116	5285,750	139,395	6,422	512,346	5,741	10,196	4,122	2017-09-14 12:35
107,667	54,960	0,400	0,396	4855,156	5232,977	144,204	6,196	512,258	5,962	10,084	4,100	2017-09-14 12:35
107,833	54,964	0,400	0,396	4863,225	5256,693	145,048	5,788	512,258	5,899	10,271	4,137	2017-09-14 12:35
108,000	54,961	0,400	0,396	4870,950	5236,141	159,307	5,307	512,258	5,988	10,324	4,148	2017-09-14 12:35
108,167	54,963	0,400	0,396	4869,269	5254,360	176,704	5,063	512,258	5,703	10,444	4,172	2017-09-14 12:35
108,333	54,964	0,400	0,396	4872,284	5216,839	163,122	5,069	512,258	5,980	10,433	4,170	2017-09-14 12:35
108,500	54,964	0,400	0,396	4878,568	5257,732	160,971	5,178	512,120	5,686	10,620	4,207	2017-09-14 12:36
108,667	54,963	0,400	0,396	4883,013	5179,870	175,025	5,438	512,120	5,888	10,325	4,148	2017-09-14 12:36
108,834	54,968	0,400	0,396	4876,623	5215,628	149,241	5,727	512,258	5,962	10,653	4,214	2017-09-14 12:36
109,000	54,980	0,400	0,397	4877,627	5285,810	158,452	5,929	512,120	5,768	10,189	4,121	2017-09-14 12:36
109,167	54,987	0,400	0,396	4867,298	5277,614	149,697	5,854	512,120	6,051	10,486	4,180	2017-09-14 12:36
109,334	54,993	0,399	0,396	4854,411	5214,369	147,362	5,708	512,120	6,275	10,548	4,193	2017-09-14 12:36
109,500	55,001	0,400	0,396	4854,025	5232,039	166,645	5,550	512,121	5,938	10,225	4,128	2017-09-14 12:37
109,667	55,006	0,400	0,396	4855,288	5156,025	182,346	5,495	512,120	5,638	10,299	4,143	2017-09-14 12:37
109,834	55,012	0,400	0,396	4846,045	5161,558	212,365	5,640	512,121	6,002	10,030	4,089	2017-09-14 12:37
110,000	55,012	0,400	0,396	4843,174	5262,864	230,231	5,733	512,120	6,038	10,052	4,093	2017-09-14 12:37
110,167	55,014	0,400	0,396	4845,467	5236,919	184,292	6,017	512,120	5,778	10,227	4,129	2017-09-14 12:37
110,334	55,015	0,400	0,396	4838,388	5179,806	177,360	6,394	512,121	6,008	10,135	4,110	2017-09-14 12:37
110,500	55,015	0,400	0,396	4844,279	5261,892	130,427	6,650	512,120	5,817	10,499	4,183	2017-09-14 12:38

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
110,667	0,220	0,478	0,531	0,142	0,257	61,943	20,071	23,095	21,259	21,243	20,582	20,620	21,202	20,202	68,401	56,899	65,687
110,834	0,220	0,481	0,531	0,143	0,264	61,919	20,063	23,091	21,258	21,268	20,571	20,637	21,198	20,209	68,320	56,904	65,687
111,000	0,222	0,474	0,531	0,143	0,260	61,890	20,065	23,087	21,249	21,251	20,565	20,613	21,198	20,202	68,395	56,907	65,703
111,167	0,222	0,463	0,531	0,145	0,256	61,853	20,073	23,099	21,262	21,255	20,577	20,639	21,206	20,208	68,421	56,907	65,719
111,334	0,220	0,456	0,531	0,146	0,253	61,860	20,066	23,091	21,253	21,255	20,563	20,641	21,203	20,206	68,572	56,907	65,737
111,500	0,220	0,455	0,532	0,143	0,253	61,816	20,071	23,044	21,266	21,271	20,575	20,626	21,214	20,212	68,262	56,904	65,746
111,667	0,224	0,456	0,531	0,145	0,256	61,791	20,089	23,031	21,257	21,262	20,574	20,630	21,202	20,205	68,193	56,915	65,773
111,833	0,224	0,464	0,531	0,146	0,257	61,780	20,082	23,025	21,262	21,257	20,577	20,627	21,212	20,206	68,587	56,921	65,806
112,000	0,229	0,460	0,531	0,144	0,259	61,783	20,061	23,019	21,257	21,253	20,566	20,633	21,216	20,206	68,414	56,931	65,810
112,167	0,237	0,454	0,531	0,147	0,246	61,743	20,049	22,992	21,253	21,250	20,588	20,624	21,215	20,208	68,486	56,936	65,780
112,333	0,233	0,454	0,531	0,147	0,255	61,695	20,073	22,975	21,249	21,254	20,578	20,626	21,231	20,209	68,449	56,950	65,758
112,500	0,234	0,452	0,531	0,153	0,265	61,668	20,044	22,957	21,251	21,249	20,564	20,643	21,214	20,210	68,428	56,951	65,784
112,667	0,234	0,449	0,531	0,147	0,260	61,668	20,062	22,945	21,270	21,255	20,581	20,628	21,224	20,212	68,409	56,955	65,776
112,833	0,237	0,448	0,531	0,153	0,255	61,625	20,048	22,931	21,254	21,259	20,573	20,634	21,211	20,210	68,367	56,956	65,788
113,000	0,232	0,445	0,531	0,140	0,259	61,609	20,070	22,941	21,252	21,259	20,583	20,629	21,228	20,214	68,394	56,960	65,796
113,167	0,231	0,443	0,531	0,146	0,262	61,558	20,058	22,953	21,255	21,251	20,583	20,645	21,229	20,212	68,280	56,966	65,795
113,333	0,226	0,445	0,531	0,146	0,264	61,561	20,067	22,969	21,258	21,255	20,595	20,634	21,228	20,212	68,448	56,960	65,785
113,500	0,221	0,449	0,531	0,145	0,263	61,592	20,074	22,967	21,276	21,270	20,586	20,650	21,244	20,214	68,397	56,967	65,765
113,667	0,222	0,443	0,531	0,148	0,256	61,572	20,071	22,986	21,261	21,271	20,586	20,643	21,237	20,216	68,386	56,970	65,761
113,833	0,223	0,437	0,531	0,149	0,259	61,627	20,075	23,003	21,276	21,262	20,594	20,639	21,240	20,218	68,507	56,972	65,758
114,000	0,224	0,445	0,531	0,150	0,258	61,673	20,071	23,001	21,261	21,261	20,574	20,651	21,254	20,216	68,487	56,975	65,780
114,167	0,229	0,455	0,531	0,146	0,259	61,668	20,098	23,028	21,279	21,261	20,599	20,638	21,245	20,221	68,321	56,979	65,795
114,333	0,225	0,457	0,531	0,143	0,256	61,675	20,086	23,020	21,269	21,269	20,604	20,632	21,259	20,221	68,255	56,983	65,807
114,500	0,224	0,459	0,531	0,146	0,264	61,668	20,081	23,030	21,257	21,271	20,587	20,651	21,263	20,222	68,284	56,988	65,826
114,667	0,223	0,472	0,531	0,148	0,257	61,686	20,065	23,052	21,283	21,278	20,596	20,651	21,261	20,224	68,580	56,987	65,804
114,833	0,221	0,486	0,531	0,147	0,261	61,709	20,069	23,042	21,271	21,261	20,596	20,642	21,269	20,220	68,436	56,988	65,772
115,000	0,219	0,487	0,531	0,150	0,260	61,723	20,079	23,041	21,282	21,269	20,600	20,646	21,252	20,222	68,537	56,999	65,760
115,167	0,217	0,488	0,531	0,146	0,255	61,712	20,049	23,056	21,265	21,266	20,593	20,653	21,253	20,224	68,340	56,998	65,785
115,334	0,219	0,484	0,531	0,146	0,261	61,684	20,076	23,051	21,275	21,271	20,607	20,641	21,278	20,229	68,440	56,999	65,792

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
110,667	55,016	0,400	0,396	4843,023	5262,854	130,385	6,954	512,120	5,667	10,295	4,142	2017-09-14 12:38
110,834	55,020	0,401	0,396	4843,504	5233,865	131,449	7,028	512,121	5,726	10,545	4,192	2017-09-14 12:38
111,000	55,027	0,400	0,396	4848,278	5258,019	146,844	6,842	512,121	5,719	10,418	4,167	2017-09-14 12:38
111,167	55,035	0,400	0,396	4851,477	5268,405	148,362	6,571	512,121	5,793	10,252	4,134	2017-09-14 12:38
111,334	55,044	0,400	0,396	4854,378	5343,231	133,113	6,404	512,027	5,840	10,112	4,105	2017-09-14 12:38
111,500	55,050	0,400	0,396	4857,481	5201,404	133,113	6,369	512,258	5,705	10,116	4,106	2017-09-14 12:39
111,667	55,056	0,400	0,397	4869,285	5167,645	157,431	6,407	512,121	5,797	10,243	4,132	2017-09-14 12:39
111,833	55,059	0,400	0,397	4884,027	5337,979	158,282	6,589	512,120	5,828	10,263	4,136	2017-09-14 12:39
112,000	55,060	0,400	0,396	4880,873	5257,443	189,646	6,503	512,121	5,744	10,370	4,157	2017-09-14 12:39
112,167	55,062	0,400	0,397	4869,907	5283,592	238,882	6,341	512,121	5,875	9,830	4,048	2017-09-14 12:39
112,333	55,062	0,400	0,396	4854,396	5263,734	210,930	6,339	512,121	5,891	10,180	4,119	2017-09-14 12:39
112,500	55,066	0,400	0,396	4861,379	5255,152	222,466	6,311	512,121	6,127	10,596	4,202	2017-09-14 12:40
112,667	55,068	0,400	0,396	4856,487	5243,840	222,229	6,213	512,120	5,896	10,417	4,167	2017-09-14 12:40
112,833	55,074	0,400	0,396	4856,159	5221,412	239,004	6,202	512,027	6,108	10,215	4,126	2017-09-14 12:40
113,000	55,078	0,400	0,396	4861,390	5232,172	205,107	6,118	512,120	5,613	10,378	4,159	2017-09-14 12:40
113,167	55,086	0,398	0,396	4860,709	5159,433	199,385	6,069	512,120	5,846	10,473	4,178	2017-09-14 12:40
113,333	55,093	0,399	0,396	4851,326	5247,113	170,029	6,127	512,027	5,823	10,566	4,196	2017-09-14 12:40
113,500	55,099	0,399	0,396	4840,643	5219,829	141,518	6,214	512,027	5,805	10,531	4,190	2017-09-14 12:41
113,667	55,106	0,399	0,397	4842,417	5214,195	146,115	6,063	512,128	5,918	10,242	4,132	2017-09-14 12:41
113,833	55,109	0,399	0,397	4837,936	5271,893	151,580	5,915	512,027	5,955	10,375	4,158	2017-09-14 12:41
114,000	55,113	0,399	0,396	4837,897	5260,324	158,077	6,114	512,027	6,000	10,312	4,146	2017-09-14 12:41
114,167	55,110	0,399	0,396	4846,133	5177,402	191,216	6,378	512,120	5,830	10,345	4,152	2017-09-14 12:41
114,333	55,110	0,399	0,396	4857,823	5148,607	162,048	6,419	512,027	5,708	10,252	4,134	2017-09-14 12:41
114,500	55,117	0,399	0,397	4863,822	5161,176	159,623	6,470	512,027	5,845	10,554	4,194	2017-09-14 12:42
114,667	55,119	0,399	0,397	4853,873	5295,098	152,191	6,797	512,027	5,911	10,296	4,142	2017-09-14 12:42
114,833	55,125	0,399	0,396	4832,105	5229,419	136,695	7,159	512,027	5,887	10,427	4,169	2017-09-14 12:42
115,000	55,127	0,399	0,396	4827,395	5271,187	124,937	7,168	512,027	6,000	10,384	4,160	2017-09-14 12:42
115,167	55,134	0,399	0,396	4830,086	5179,000	116,561	7,196	512,027	5,854	10,205	4,124	2017-09-14 12:42
115,334	55,139	0,399	0,396	4832,695	5223,322	124,944	7,112	512,027	5,833	10,444	4,172	2017-09-14 12:42

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
115,500	0,219	0,480	0,531	0,140	0,257	61,663	20,077	23,032	21,265	21,261	20,606	20,649	21,275	20,228	68,383	57,002	65,812
115,667	0,222	0,471	0,531	0,150	0,262	61,701	20,038	23,061	21,271	21,263	20,604	20,653	21,267	20,225	68,371	57,007	65,808
115,834	0,229	0,453	0,531	0,150	0,265	61,729	20,091	23,068	21,284	21,257	20,631	20,654	21,282	20,229	68,303	57,011	65,787
116,000	0,233	0,435	0,531	0,145	0,250	61,737	20,100	23,082	21,287	21,262	20,615	20,662	21,287	20,226	68,319	57,013	65,799
116,167	0,231	0,428	0,531	0,150	0,256	61,779	20,108	23,094	21,279	21,273	20,628	20,659	21,278	20,230	68,482	57,010	65,814
116,334	0,232	0,427	0,531	0,149	0,258	61,807	20,091	23,092	21,286	21,265	20,637	20,670	21,291	20,236	68,437	57,010	65,830
116,500	0,231	0,428	0,531	0,151	0,261	61,783	20,085	23,084	21,278	21,268	20,632	20,674	21,292	20,234	68,455	57,011	65,800
116,667	0,227	0,426	0,531	0,142	0,257	61,850	20,063	23,077	21,278	21,262	20,640	20,674	21,279	20,230	68,503	57,011	65,783
116,834	0,222	0,424	0,531	0,144	0,252	61,799	20,069	23,069	21,265	21,270	20,633	20,664	21,278	20,229	68,375	57,021	65,789
117,000	0,222	0,419	0,531	0,140	0,269	61,794	20,082	23,058	21,267	21,260	20,620	20,683	21,294	20,230	68,360	57,017	65,792
117,167	0,223	0,414	0,531	0,148	0,258	61,774	20,089	23,075	21,278	21,273	20,621	20,670	21,288	20,233	68,418	57,017	65,815
117,334	0,225	0,408	0,531	0,143	0,187	61,767	20,074	23,119	21,273	21,261	20,610	20,674	21,301	20,232	68,331	57,015	65,802
117,500	0,229	0,404	0,531	0,138	0,073	61,714	20,073	23,165	21,291	21,283	20,618	20,683	21,313	20,233	68,447	57,011	65,797
117,667	0,228	0,399	0,530	0,142	0,056	61,712	20,063	23,323	21,296	21,292	20,614	20,680	21,321	20,234	68,340	57,021	65,783
117,834	0,230	0,389	0,531	0,148	0,123	61,754	20,082	23,438	21,299	21,277	20,621	20,687	21,301	20,232	68,385	57,019	65,771
118,000	0,230	0,386	0,531	0,150	0,253	61,753	20,066	23,389	21,257	21,264	20,646	20,679	21,284	20,232	68,479	57,023	65,800
118,167	0,228	0,384	0,531	0,154	0,264	61,767	20,083	23,318	21,273	21,268	20,633	20,680	21,307	20,232	68,284	57,027	65,807
118,333	0,231	0,383	0,531	0,151	0,254	61,744	20,082	23,270	21,284	21,260	20,633	20,682	21,295	20,232	68,359	57,026	65,793
118,500	0,228	0,377	0,531	0,146	0,264	61,730	20,093	23,252	21,273	21,277	20,627	20,676	21,315	20,233	68,358	57,027	65,780
118,667	0,226	0,378	0,531	0,148	0,260	61,765	20,078	23,168	21,270	21,271	20,642	20,684	21,292	20,233	68,274	57,031	65,779
118,833	0,227	0,388	0,530	0,144	0,251	61,803	20,094	23,168	21,271	21,260	20,645	20,685	21,307	20,234	68,460	57,035	65,775
119,000	0,223	0,399	0,530	0,151	0,266	61,841	20,070	23,141	21,290	21,266	20,649	20,678	21,322	20,236	68,404	57,040	65,781
119,167	0,225	0,416	0,530	0,150	0,261	61,855	20,033	23,114	21,286	21,265	20,649	20,695	21,304	20,237	68,370	57,033	65,787
119,333	0,228	0,424	0,531	0,151	0,260	61,815	20,071	23,123	21,300	21,269	20,648	20,690	21,320	20,241	68,429	57,026	65,799
119,500	0,226	0,422	0,530	0,150	0,255	61,845	20,061	23,113	21,283	21,260	20,657	20,701	21,324	20,240	68,451	57,018	65,804
119,667	0,225	0,423	0,530	0,146	0,252	61,840	20,069	23,118	21,294	21,262	20,640	20,686	21,329	20,238	68,366	57,013	65,802
119,833	0,226	0,427	0,530	0,149	0,251	61,905	20,078	23,128	21,289	21,274	20,632	20,686	21,325	20,240	68,301	57,014	65,800
120,000	0,223	0,438	0,530	0,141	0,096	61,917	20,067	23,193	21,312	21,277	20,657	20,686	21,321	20,240	68,309	57,010	65,804
120,167	0,222	0,449	0,530	0,140	0,058	61,987	20,061	23,384	21,317	21,294	20,649	20,686	21,345	20,242	68,293	57,011	65,803

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
115,500	55,143	0,399	0,396	4841,132	5196,837	127,269	6,993	512,027	5,592	10,297	4,143	2017-09-14 12:43
115,667	55,139	0,399	0,396	4840,853	5187,759	146,726	6,772	512,027	5,991	10,466	4,177	2017-09-14 12:43
115,834	55,142	0,399	0,396	4827,048	5154,807	189,309	6,336	512,026	6,008	10,608	4,205	2017-09-14 12:43
116,000	55,138	0,399	0,396	4834,862	5157,297	215,722	5,878	512,027	5,802	9,988	4,080	2017-09-14 12:43
116,167	55,141	0,399	0,396	4842,195	5234,832	202,533	5,712	512,027	5,999	10,228	4,129	2017-09-14 12:43
116,334	55,141	0,399	0,396	4844,118	5218,567	205,701	5,667	512,027	5,961	10,304	4,144	2017-09-14 12:43
116,500	55,139	0,399	0,396	4832,549	5228,895	199,565	5,704	512,027	6,029	10,446	4,172	2017-09-14 12:44
116,667	55,141	0,399	0,396	4825,815	5248,099	177,565	5,659	512,027	5,668	10,267	4,137	2017-09-14 12:44
116,834	55,146	0,399	0,396	4824,896	5187,720	145,496	5,590	512,026	5,763	10,090	4,101	2017-09-14 12:44
117,000	55,150	0,399	0,396	4828,617	5183,327	143,189	5,464	512,027	5,620	10,763	4,235	2017-09-14 12:44
117,167	55,155	0,398	0,396	4834,561	5199,631	154,491	5,351	512,027	5,929	10,308	4,145	2017-09-14 12:44
117,334	55,162	0,399	0,396	4829,729	5164,003	166,450	5,211	512,027	5,731	7,476	3,530	2017-09-14 12:44
117,500	55,162	0,399	0,396	4827,407	5223,865	189,889	5,112	512,027	5,516	2,903	2,200	2017-09-14 12:45
117,667	55,162	0,399	0,396	4817,597	5167,725	181,335	4,986	511,933	5,666	2,226	1,926	2017-09-14 12:45
117,834	55,162	0,400	0,396	4815,651	5197,181	192,724	4,720	512,018	5,926	4,913	2,861	2017-09-14 12:45
118,000	55,163	0,400	0,396	4823,395	5239,558	196,835	4,649	512,027	5,985	10,111	4,105	2017-09-14 12:45
118,167	55,163	0,399	0,396	4833,097	5143,293	181,755	4,592	512,027	6,149	10,543	4,192	2017-09-14 12:45
118,333	55,151	0,399	0,395	4818,906	5174,661	199,367	4,567	512,027	6,027	10,143	4,111	2017-09-14 12:45
118,500	55,142	0,399	0,395	4818,603	5168,646	183,232	4,413	512,027	5,857	10,567	4,197	2017-09-14 12:46
118,667	55,126	0,399	0,395	4819,615	5133,153	172,972	4,443	512,027	5,901	10,385	4,160	2017-09-14 12:46
118,833	55,115	0,399	0,395	4819,870	5217,306	174,417	4,697	511,933	5,745	10,043	4,091	2017-09-14 12:46
119,000	55,110	0,399	0,395	4832,296	5186,400	151,990	4,974	511,933	6,045	10,623	4,208	2017-09-14 12:46
119,167	55,107	0,399	0,395	4834,115	5179,423	163,278	5,401	511,932	5,988	10,438	4,171	2017-09-14 12:46
119,333	55,106	0,399	0,396	4845,148	5205,047	181,769	5,609	512,027	6,054	10,397	4,163	2017-09-14 12:46
119,500	55,103	0,399	0,395	4843,880	5222,348	173,406	5,543	511,932	6,010	10,191	4,121	2017-09-14 12:47
119,667	55,102	0,399	0,395	4842,017	5186,305	161,854	5,585	511,933	5,828	10,092	4,101	2017-09-14 12:47
119,833	55,099	0,399	0,395	4844,940	5154,550	170,661	5,687	511,933	5,941	10,030	4,089	2017-09-14 12:47
120,000	55,098	0,399	0,395	4846,327	5158,228	148,849	5,941	511,933	5,659	3,851	2,533	2017-09-14 12:47
120,167	55,093	0,399	0,395	4849,980	5150,503	142,581	6,234	511,933	5,597	2,320	1,966	2017-09-14 12:47

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
120,333	0,226	0,465	0,530	0,142	0,056	61,978	20,107	23,575	21,274	21,290	20,656	20,697	21,340	20,242	68,416	57,007	65,779
120,500	0,226	0,477	0,530	0,135	0,059	62,068	20,088	23,720	-9999,000	21,294	20,658	20,700	21,357	20,248	68,472	57,013	65,757
120,667	0,221	0,478	0,530	0,144	0,117	62,055	20,099	23,815	-3,471	21,294	20,660	20,704	21,347	20,242	68,492	57,006	65,750
120,833	0,218	0,494	0,530	0,144	0,249	62,081	20,105	23,690	-15,701	21,284	20,662	20,701	21,333	20,248	68,502	57,003	65,750
121,000	0,220	0,515	0,530	0,144	0,243	62,050	20,154	23,561	-19,575	21,272	20,667	20,704	21,342	20,246	68,408	56,999	65,775
121,167	0,223	0,516	0,530	0,146	0,245	62,064	20,154	23,442	-18,512	21,264	20,678	20,699	21,336	20,248	68,434	56,991	65,789
121,333	0,223	0,495	0,530	0,150	0,259	62,101	20,129	23,411	-18,085	21,277	20,674	20,703	21,349	20,249	68,321	56,987	65,810
121,500	0,219	0,482	0,530	0,143	0,264	62,041	20,169	23,356	-19,131	21,277	20,677	20,707	21,341	20,252	68,519	56,979	65,811
121,667	0,219	0,476	0,530	0,153	0,256	62,045	20,137	23,309	-19,689	21,265	20,673	20,715	21,355	20,250	68,420	56,976	65,800
121,833	0,219	0,479	0,530	0,153	0,254	62,062	20,143	23,307	-16,719	21,281	20,670	20,704	21,363	20,257	68,479	56,970	65,796
122,000	0,216	0,484	0,530	0,151	0,253	62,027	20,150	23,264	-17,359	21,269	20,690	20,699	21,347	20,250	68,456	56,972	65,791
122,167	0,214	0,489	0,530	0,143	0,259	62,033	20,126	23,268	-15,716	21,272	20,668	20,709	21,354	20,252	68,487	56,971	65,808
122,334	0,217	0,495	0,530	0,146	0,256	62,072	20,139	23,265	-16,027	21,263	20,677	20,711	21,370	20,254	68,597	56,967	65,814
122,500	0,219	0,488	0,530	0,152	0,255	62,040	20,118	23,259	-15,824	21,278	20,681	20,703	21,350	20,254	68,589	56,964	65,807
122,667	0,218	0,479	0,530	0,139	0,263	62,053	20,124	23,217	-17,008	21,267	20,686	20,715	21,365	20,257	68,624	56,960	65,803
122,834	0,221	0,477	0,530	0,149	0,251	62,030	20,117	23,229	-16,811	21,259	20,672	20,713	21,378	20,254	68,475	56,963	65,830
123,000	0,218	0,488	0,530	0,153	0,258	62,036	20,107	23,211	-16,859	21,276	20,699	20,715	21,362	20,256	68,653	56,962	65,881
123,167	0,215	0,504	0,530	0,145	0,258	62,049	20,117	23,225	-16,147	21,271	20,678	20,700	21,371	20,256	68,754	56,954	65,904
123,334	0,215	0,510	0,530	0,153	0,260	62,048	20,118	23,230	-16,975	21,268	20,678	20,708	21,382	20,257	68,728	56,951	65,907
123,500	0,216	0,497	0,530	0,151	0,267	62,047	20,132	23,215	-16,614	21,260	20,687	20,715	21,384	20,261	68,824	56,951	65,911
123,667	0,218	0,478	0,530	0,139	0,099	62,072	20,138	23,307	-15,414	21,297	20,690	20,711	21,380	20,260	68,856	56,952	65,942
123,834	0,219	0,465	0,530	0,143	0,058	62,116	20,121	23,461	-17,362	21,289	20,690	20,704	21,376	20,258	68,697	56,948	65,969
124,000	0,222	0,455	0,530	0,139	0,057	62,157	20,130	23,647	5,487	21,289	20,693	20,717	21,374	20,261	68,837	56,950	66,008
124,167	0,222	0,453	0,530	0,157	0,252	62,168	20,141	23,656	21,712	21,276	20,690	20,726	21,382	20,261	68,890	56,950	66,059
124,334	0,221	0,456	0,530	0,149	0,260	62,221	20,143	23,539	22,082	21,260	20,716	20,711	21,386	20,262	68,832	56,948	66,067
124,500	0,221	0,460	0,530	0,147	0,261	62,211	20,105	23,440	22,121	21,275	20,676	20,715	21,386	20,264	68,930	56,954	66,068
124,667	0,220	0,469	0,530	0,149	0,257	62,235	20,140	23,415	22,158	21,276	20,697	20,716	21,391	20,265	68,938	56,958	66,091
124,834	0,221	0,484	0,529	0,151	0,262	62,252	20,139	23,392	22,177	21,273	20,699	20,706	21,395	20,261	68,900	56,960	66,111
125,000	0,220	0,499	0,530	0,148	0,252	62,288	20,134	23,363	22,199	21,276	20,714	20,738	21,396	20,266	68,938	56,964	66,129

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
120,333	55,083	0,399	0,395	4837,834	5205,115	169,473	6,618	511,933	5,683	2,229	1,927	2017-09-14 12:47
120,500	55,070	0,399	0,395	4837,748	5232,226	169,848	6,926	511,933	5,417	2,354	1,981	2017-09-14 12:48
120,667	55,059	0,399	0,395	4839,860	5245,634	141,997	6,948	511,933	5,764	4,677	2,792	2017-09-14 12:48
120,833	55,054	0,399	0,395	4842,003	5250,098	122,453	7,348	511,840	5,740	9,965	4,075	2017-09-14 12:48
121,000	55,048	0,399	0,395	4852,618	5207,536	131,660	7,876	511,933	5,756	9,723	4,025	2017-09-14 12:48
121,167	55,044	0,399	0,395	4861,136	5222,734	148,752	7,906	511,932	5,853	9,801	4,042	2017-09-14 12:48
121,333	55,043	0,398	0,395	4869,048	5169,431	150,513	7,371	511,933	6,000	10,344	4,152	2017-09-14 12:48
121,500	55,044	0,399	0,396	4878,690	5265,388	124,753	7,050	511,840	5,709	10,551	4,193	2017-09-14 12:49
121,667	55,038	0,399	0,396	4877,338	5223,269	125,792	6,889	511,840	6,128	10,231	4,129	2017-09-14 12:49
121,833	55,039	0,399	0,395	4868,184	5261,008	127,929	6,967	511,840	6,109	10,156	4,114	2017-09-14 12:49
122,000	55,035	0,399	0,395	4867,578	5241,190	106,895	7,112	511,840	6,055	10,101	4,103	2017-09-14 12:49
122,167	55,032	0,399	0,396	4883,425	5259,429	94,307	7,217	511,840	5,709	10,377	4,159	2017-09-14 12:49
122,334	55,024	0,399	0,395	4878,905	5314,816	113,190	7,376	511,839	5,822	10,227	4,128	2017-09-14 12:49
122,500	55,016	0,399	0,395	4886,248	5312,891	127,443	7,208	511,839	6,084	10,192	4,121	2017-09-14 12:50
122,667	55,008	0,399	0,395	4884,461	5322,811	123,454	6,971	511,840	5,570	10,533	4,190	2017-09-14 12:50
122,834	55,001	0,399	0,395	4896,278	5255,470	140,878	6,937	511,839	5,960	10,026	4,088	2017-09-14 12:50
123,000	54,995	0,399	0,395	4921,206	5335,936	122,050	7,193	511,839	6,129	10,322	4,148	2017-09-14 12:50
123,167	54,991	0,399	0,395	4935,749	5384,943	99,779	7,599	511,839	5,818	10,338	4,151	2017-09-14 12:50
123,334	54,991	0,399	0,395	4940,620	5378,343	99,782	7,756	511,840	6,124	10,415	4,166	2017-09-14 12:50
123,500	54,992	0,398	0,395	4935,826	5410,616	110,102	7,423	511,839	6,028	10,680	4,219	2017-09-14 12:51
123,667	54,992	0,399	0,395	4951,926	5430,317	118,253	6,954	511,839	5,564	3,959	2,569	2017-09-14 12:51
123,834	54,985	0,399	0,395	4970,640	5363,230	129,739	6,620	511,839	5,734	2,301	1,958	2017-09-14 12:51
124,000	54,985	0,399	0,395	4984,342	5424,090	148,422	6,365	511,839	5,545	2,262	1,942	2017-09-14 12:51
124,167	54,981	0,399	0,395	5006,635	5449,460	143,655	6,313	511,839	6,300	10,086	4,100	2017-09-14 12:51
124,334	54,976	0,398	0,395	5015,433	5420,566	136,164	6,393	511,840	5,965	10,400	4,163	2017-09-14 12:51
124,500	54,969	0,398	0,394	5013,456	5457,910	137,011	6,510	511,837	5,895	10,442	4,172	2017-09-14 12:52
124,667	54,963	0,398	0,394	5028,960	5462,836	133,116	6,730	511,840	5,944	10,283	4,140	2017-09-14 12:52
124,834	54,953	0,398	0,395	5043,464	5443,007	137,102	7,108	511,745	6,030	10,469	4,177	2017-09-14 12:52
125,000	54,948	0,399	0,395	5055,953	5463,138	133,300	7,470	511,840	5,922	10,100	4,103	2017-09-14 12:52

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
125,167	0,223	0,504	0,529	0,157	0,265	62,331	20,138	23,342	22,211	21,280	20,689	20,720	21,405	20,272	69,041	56,967	66,138
125,333	0,223	0,498	0,530	0,147	0,261	62,261	20,134	23,303	22,222	21,278	20,714	20,729	21,404	20,274	68,988	56,962	66,165
125,500	0,221	0,490	0,529	0,151	0,258	62,251	20,134	23,272	22,241	21,280	20,712	20,731	21,416	20,274	68,891	56,958	66,191
125,667	0,222	0,488	0,529	0,150	0,267	62,211	20,138	23,277	22,243	21,284	20,698	20,708	21,407	20,266	69,050	56,955	66,210
125,833	0,223	0,492	0,529	0,150	0,255	62,262	20,126	23,250	22,227	21,273	20,697	20,721	21,404	20,269	69,072	56,952	66,222
126,000	0,224	0,486	0,529	0,143	0,263	62,253	20,117	23,239	22,237	21,285	20,723	20,724	21,410	20,269	69,111	56,958	66,234
126,167	0,220	0,483	0,529	0,149	0,211	62,252	20,131	23,305	22,245	21,285	20,708	20,724	21,412	20,274	69,158	56,962	66,242
126,333	0,222	0,477	0,529	0,147	0,081	62,242	20,125	23,370	22,260	21,302	20,749	20,739	21,420	20,277	69,058	56,967	66,264
126,500	0,221	0,479	0,529	0,146	0,258	62,213	20,144	23,443	22,232	21,274	20,708	20,733	21,413	20,272	69,070	56,966	66,276
126,667	0,217	0,493	0,529	0,149	0,260	62,199	20,109	23,359	22,210	21,279	20,727	20,727	21,407	20,270	69,199	56,966	66,304
126,833	0,215	0,506	0,529	0,149	0,260	62,206	20,146	23,315	22,207	21,277	20,707	20,725	21,421	20,272	69,187	56,966	66,324
127,000	0,215	0,514	0,529	0,151	0,252	62,282	20,118	23,279	22,215	21,279	20,733	20,731	21,426	20,275	69,287	56,967	66,326
127,167	0,215	0,515	0,529	0,147	0,267	62,271	20,127	23,275	22,205	21,285	20,722	20,720	21,417	20,278	69,235	56,964	66,338
127,333	0,213	0,525	0,529	0,147	0,258	62,229	20,129	23,259	22,192	21,287	20,741	20,733	21,428	20,277	69,384	56,966	66,351
127,500	0,213	0,528	0,529	0,138	0,254	62,234	20,127	23,281	22,198	21,293	20,710	20,727	21,418	20,277	69,356	56,971	66,380
127,667	0,212	0,527	0,529	0,145	0,099	62,252	20,114	23,372	22,188	21,288	20,707	20,729	21,420	20,275	69,455	56,968	66,408
127,833	0,215	0,530	0,529	0,143	0,056	62,286	20,108	23,546	22,196	21,304	20,719	20,718	21,435	20,273	69,213	56,970	66,419
128,000	0,215	0,530	0,529	0,150	0,259	62,272	20,110	23,542	22,151	21,279	20,727	20,719	21,420	20,274	69,274	56,968	66,450
128,167	0,215	0,523	0,529	0,148	0,261	62,344	20,087	23,452	22,168	21,283	20,732	20,720	21,420	20,273	69,492	56,967	66,474
128,333	0,215	0,510	0,529	0,136	0,261	62,312	20,087	23,392	22,145	21,284	20,720	20,723	21,421	20,275	69,259	56,974	66,494
128,500	0,215	0,492	0,529	0,158	0,261	62,349	20,054	23,330	22,146	21,293	20,739	20,722	21,432	20,277	69,602	56,976	66,516
128,667	0,216	0,491	0,529	0,150	0,262	62,316	20,074	23,320	22,127	21,264	20,740	20,718	21,430	20,275	69,480	56,978	66,559
128,833	0,218	0,491	0,529	0,150	0,262	62,342	20,052	23,301	22,131	21,278	20,728	20,725	21,430	20,275	69,548	56,978	66,574
129,000	0,214	0,499	0,529	0,144	0,264	62,357	20,039	23,275	22,110	21,276	20,735	20,727	21,447	20,275	69,546	56,983	66,561
129,167	0,214	0,510	0,529	0,142	0,262	62,387	20,067	23,270	22,101	21,279	20,746	20,714	21,430	20,275	69,462	56,982	66,625
129,334	0,214	0,524	0,529	0,155	0,249	62,363	20,079	23,262	22,078	21,281	20,735	20,722	21,442	20,275	69,458	56,986	66,646
129,500	0,216	0,533	0,529	0,146	0,093	62,325	19,973	23,343	22,094	21,291	20,719	20,724	21,451	20,277	69,686	56,997	66,672
129,667	0,212	0,538	0,529	0,144	0,057	62,357	20,031	23,507	22,093	21,304	20,735	20,718	21,446	20,275	69,546	57,007	66,703
129,834	0,212	0,535	0,529	0,149	0,171	62,396	20,029	23,625	22,075	21,302	20,749	20,720	21,429	20,277	69,610	57,015	66,704

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
125,167	54,947	0,398	0,395	5064,363	5504,683	152,761	7,611	511,745	6,287	10,593	4,202	2017-09-14 12:52
125,333	54,947	0,399	0,394	5069,259	5486,571	151,229	7,459	511,840	5,882	10,442	4,172	2017-09-14 12:52
125,500	54,945	0,398	0,395	5083,591	5443,008	139,221	7,244	511,745	6,053	10,312	4,146	2017-09-14 12:53
125,667	54,941	0,398	0,395	5092,621	5517,091	145,274	7,210	511,745	5,987	10,678	4,219	2017-09-14 12:53
125,833	54,939	0,399	0,395	5109,637	5538,971	151,114	7,300	511,745	5,990	10,213	4,126	2017-09-14 12:53
126,000	54,937	0,399	0,395	5108,677	5548,678	158,258	7,161	511,745	5,701	10,503	4,184	2017-09-14 12:53
126,167	54,933	0,399	0,395	5116,624	5568,368	135,611	7,066	511,745	5,973	8,440	3,751	2017-09-14 12:53
126,333	54,929	0,399	0,395	5132,002	5520,054	146,716	6,916	511,745	5,884	3,231	2,320	2017-09-14 12:53
126,500	54,924	0,399	0,395	5139,421	5522,239	141,278	6,968	511,745	5,831	10,327	4,149	2017-09-14 12:54
126,667	54,918	0,398	0,395	5147,263	5578,682	112,127	7,327	511,745	5,973	10,383	4,160	2017-09-14 12:54
126,833	54,913	0,398	0,394	5155,226	5572,855	102,093	7,638	511,745	5,951	10,384	4,160	2017-09-14 12:54
127,000	54,910	0,398	0,395	5159,838	5618,032	104,800	7,859	511,651	6,041	10,062	4,095	2017-09-14 12:54
127,167	54,909	0,399	0,395	5165,622	5599,316	99,136	7,870	511,745	5,877	10,682	4,219	2017-09-14 12:54
127,333	54,909	0,398	0,395	5173,683	5662,903	91,176	8,136	511,745	5,871	10,332	4,150	2017-09-14 12:54
127,500	54,905	0,398	0,395	5189,150	5648,415	88,108	8,191	511,745	5,528	10,142	4,111	2017-09-14 12:55
127,667	54,902	0,399	0,395	5207,016	5696,593	81,726	8,170	511,745	5,783	3,960	2,569	2017-09-14 12:55
127,833	54,901	0,398	0,395	5214,493	5583,856	101,426	8,251	511,654	5,719	2,235	1,930	2017-09-14 12:55
128,000	54,897	0,399	0,395	5227,011	5613,869	101,454	8,256	511,745	5,981	10,373	4,158	2017-09-14 12:55
128,167	54,897	0,398	0,395	5237,682	5712,051	102,486	8,064	511,745	5,912	10,426	4,169	2017-09-14 12:55
128,333	54,890	0,398	0,395	5245,993	5597,716	99,570	7,760	511,745	5,437	10,443	4,172	2017-09-14 12:55
128,500	54,885	0,398	0,395	5257,866	5758,160	103,118	7,292	511,652	6,326	10,444	4,172	2017-09-14 12:56
128,667	54,882	0,398	0,395	5282,283	5702,785	105,835	7,264	511,651	5,986	10,474	4,178	2017-09-14 12:56
128,833	54,880	0,399	0,395	5289,368	5743,902	121,355	7,279	511,652	6,014	10,494	4,182	2017-09-14 12:56
129,000	54,878	0,399	0,392	5247,019	5733,360	97,687	7,463	511,651	5,757	10,551	4,193	2017-09-14 12:56
129,167	54,878	0,398	0,392	5272,886	5692,626	92,875	7,750	511,652	5,675	10,484	4,180	2017-09-14 12:56
129,334	54,874	0,398	0,392	5282,146	5683,957	97,680	8,108	511,652	6,186	9,975	4,077	2017-09-14 12:56
129,500	54,872	0,398	0,391	5292,294	5785,567	106,697	8,334	511,652	5,837	3,722	2,491	2017-09-14 12:57
129,667	54,874	0,398	0,392	5314,095	5718,167	84,047	8,450	511,652	5,745	2,294	1,955	2017-09-14 12:57
129,834	54,870	0,399	0,392	5315,966	5747,852	82,997	8,375	511,652	5,942	6,827	3,373	2017-09-14 12:57

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
130,000	0,213	0,523	0,529	0,149	0,253	62,430	20,062	23,474	22,058	21,255	20,756	20,731	21,430	20,277	69,672	57,025	66,708
130,167	0,215	0,514	0,529	0,155	0,263	62,395	20,061	23,408	22,047	21,275	20,726	20,731	21,437	20,279	69,775	57,031	66,739
130,334	0,216	0,498	0,529	0,151	0,246	62,352	20,054	23,344	22,042	21,287	20,746	20,729	21,451	20,279	69,659	57,031	66,761
130,500	0,221	0,491	0,529	0,148	0,261	62,265	20,066	23,293	22,038	21,287	20,746	20,719	21,438	20,279	69,666	57,035	66,789
130,667	0,223	0,492	0,529	0,142	0,264	62,259	20,073	23,250	22,033	21,283	20,722	20,728	21,455	20,281	69,773	57,035	66,804
130,834	0,219	0,484	0,529	0,140	0,253	62,224	20,069	23,198	22,009	21,274	20,765	20,739	21,446	20,283	69,585	57,041	66,832
131,000	0,219	0,477	0,529	0,153	0,262	62,205	20,050	23,185	22,011	21,270	20,743	20,727	21,450	20,279	69,527	57,037	66,842
131,167	0,219	0,473	0,529	0,148	0,256	62,148	20,081	23,154	21,989	21,283	20,756	20,736	21,471	20,282	69,493	57,038	66,855
131,334	0,222	0,466	0,529	0,149	0,252	62,098	20,052	23,117	21,990	21,275	20,740	20,737	21,459	20,283	69,659	57,041	66,846
131,500	0,222	0,455	0,529	0,147	0,256	62,080	20,050	23,120	21,979	21,267	20,757	20,727	21,454	20,282	69,551	57,045	66,834
131,667	0,230	0,445	0,529	0,149	0,174	62,067	20,045	23,188	21,985	21,278	20,745	20,752	21,466	20,285	69,593	57,050	66,812
131,833	0,234	0,436	0,529	0,144	0,075	62,038	20,069	23,284	21,990	21,297	20,747	20,739	21,475	20,287	69,547	57,048	66,782
132,000	0,238	0,423	0,529	0,152	0,260	62,036	20,073	23,300	21,964	21,275	20,743	20,728	21,464	20,283	69,516	57,046	66,770
132,167	0,239	0,412	0,528	0,150	0,255	62,074	20,073	23,270	21,957	21,278	20,765	20,731	21,458	20,286	69,356	57,041	66,768
132,333	0,236	0,405	0,529	0,149	0,261	62,182	20,085	23,269	21,976	21,288	20,766	20,754	21,476	20,289	69,380	57,038	66,765
132,500	0,237	0,404	0,529	0,157	0,254	62,218	20,091	23,266	21,953	21,288	20,760	20,739	21,471	20,286	69,298	57,048	66,761
132,667	0,237	0,404	0,528	0,142	0,258	62,280	20,112	23,267	21,952	21,297	20,764	20,748	21,460	20,289	69,423	57,048	66,743
132,833	0,236	0,401	0,529	0,153	0,253	62,368	20,098	23,283	21,959	21,279	20,764	20,751	21,466	20,290	69,336	57,045	66,723
133,000	0,238	0,405	0,528	0,144	0,192	62,372	20,091	23,313	21,942	21,297	20,761	20,758	21,474	20,290	69,381	57,046	66,706
133,167	0,226	0,421	0,528	0,147	0,077	62,376	20,113	23,413	21,961	21,318	20,766	20,753	21,477	20,290	69,388	57,050	66,692
133,333	0,220	0,448	0,528	0,138	0,167	62,414	20,087	23,567	21,956	21,318	20,774	20,752	21,477	20,291	69,415	57,049	66,685
133,500	0,216	0,476	0,528	0,147	0,259	62,439	20,089	23,503	21,943	21,281	20,783	20,765	21,474	20,294	69,535	57,049	66,671
133,667	0,215	0,495	0,528	0,144	0,253	62,454	20,087	23,471	21,937	21,299	20,800	20,769	21,483	20,295	69,575	57,048	66,668
133,833	0,218	0,498	0,528	0,160	0,258	62,456	20,096	23,420	21,917	21,301	20,792	20,757	21,478	20,293	69,620	57,046	66,652
134,000	0,229	0,471	0,528	0,153	0,262	62,526	20,060	23,355	21,913	21,288	20,788	20,749	21,477	20,290	69,575	57,046	66,660
134,167	0,238	0,435	0,528	0,154	0,258	62,592	20,077	23,342	21,904	21,299	20,778	20,758	21,497	20,295	69,551	57,046	66,669
134,333	0,244	0,415	0,528	0,150	0,253	62,619	20,075	23,318	21,900	21,295	20,777	20,766	21,494	20,290	69,691	57,050	66,715
134,500	0,252	0,402	0,528	0,154	0,261	62,638	20,078	23,287	21,890	21,294	20,807	20,769	21,491	20,295	69,574	57,052	66,754
134,667	0,260	0,392	0,528	0,150	0,256	62,659	20,079	23,270	21,886	21,287	20,802	20,765	21,484	20,294	69,547	57,057	66,769

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
130,000	54,869	0,398	0,392	5315,825	5769,171	92,194	8,085	511,652	5,949	10,127	4,108	2017-09-14 12:57
130,167	54,865	0,398	0,391	5325,228	5810,712	104,160	7,853	511,652	6,197	10,533	4,190	2017-09-14 12:57
130,334	54,861	0,398	0,391	5337,038	5759,049	106,321	7,452	511,652	6,053	9,833	4,048	2017-09-14 12:57
130,500	54,857	0,398	0,392	5356,400	5759,959	137,706	7,265	511,651	5,923	10,429	4,169	2017-09-14 12:58
130,667	54,856	0,398	0,392	5360,542	5807,660	154,095	7,305	511,652	5,674	10,571	4,197	2017-09-14 12:58
130,834	54,854	0,398	0,391	5367,782	5715,606	129,107	7,097	511,652	5,584	10,138	4,111	2017-09-14 12:58
131,000	54,856	0,398	0,391	5370,205	5696,896	126,803	6,933	511,651	6,104	10,495	4,182	2017-09-14 12:58
131,167	54,864	0,399	0,392	5383,368	5682,968	129,750	6,827	511,651	5,936	10,228	4,129	2017-09-14 12:58
131,334	54,870	0,398	0,392	5371,449	5753,534	146,319	6,640	511,651	5,943	10,093	4,101	2017-09-14 12:58
131,500	54,874	0,398	0,391	5355,015	5701,929	143,377	6,369	511,652	5,895	10,251	4,133	2017-09-14 12:59
131,667	54,881	0,398	0,392	5353,559	5717,635	193,687	6,117	511,652	5,970	6,959	3,406	2017-09-14 12:59
131,833	54,884	0,399	0,392	5341,288	5703,836	220,760	5,902	511,651	5,776	2,990	2,232	2017-09-14 12:59
132,000	54,886	0,399	0,392	5340,124	5699,402	244,174	5,586	511,652	6,066	10,402	4,164	2017-09-14 12:59
132,167	54,885	0,399	0,392	5334,353	5620,733	254,306	5,289	511,557	5,983	10,215	4,126	2017-09-14 12:59
132,333	54,885	0,399	0,392	5334,538	5635,336	233,125	5,132	511,651	5,946	10,421	4,168	2017-09-14 12:59
132,500	54,884	0,399	0,392	5330,204	5593,783	236,909	5,090	511,652	6,283	10,167	4,117	2017-09-14 13:00
132,667	54,882	0,399	0,392	5323,487	5651,604	240,849	5,100	511,558	5,675	10,306	4,145	2017-09-14 13:00
132,833	54,881	0,399	0,391	5311,056	5610,518	235,008	5,036	511,651	6,134	10,139	4,111	2017-09-14 13:00
133,000	54,886	0,399	0,392	5305,902	5629,946	245,772	5,135	511,557	5,776	7,685	3,579	2017-09-14 13:00
133,167	54,892	0,399	0,392	5297,966	5630,006	173,076	5,522	511,557	5,866	3,062	2,259	2017-09-14 13:00
133,333	54,901	0,398	0,392	5290,181	5640,609	130,184	6,188	511,558	5,517	6,684	3,338	2017-09-14 13:00
133,500	54,906	0,399	0,392	5277,368	5695,912	106,280	6,893	511,558	5,876	10,363	4,156	2017-09-14 13:01
133,667	54,913	0,399	0,392	5283,669	5725,901	103,983	7,373	511,558	5,744	10,113	4,106	2017-09-14 13:01
133,833	54,917	0,399	0,392	5269,484	5737,977	122,603	7,459	511,558	6,391	10,312	4,146	2017-09-14 13:01
134,000	54,916	0,399	0,392	5278,498	5726,201	190,341	6,781	511,558	6,117	10,476	4,178	2017-09-14 13:01
134,167	54,920	0,399	0,392	5270,200	5713,664	245,894	5,886	511,558	6,154	10,319	4,147	2017-09-14 13:01
134,333	54,914	0,398	0,392	5297,455	5766,075	281,847	5,385	511,558	5,986	10,123	4,108	2017-09-14 13:01
134,500	54,921	0,398	0,392	5312,518	5707,219	334,385	5,049	511,558	6,143	10,444	4,172	2017-09-14 13:02
134,667	54,921	0,399	0,392	5315,220	5698,952	380,331	4,788	511,558	6,006	10,221	4,127	2017-09-14 13:02

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
134,833	0,245	0,392	0,528	0,140	0,194	62,687	20,085	23,310	21,881	21,294	20,789	20,765	21,498	20,295	69,349	57,062	66,782
135,000	0,233	0,399	0,528	0,140	0,081	62,716	20,085	23,390	21,891	21,300	20,812	20,765	21,494	20,293	69,342	57,068	66,784
135,167	0,226	0,409	0,528	0,150	0,248	62,710	20,095	23,463	21,866	21,284	20,809	20,777	21,494	20,294	69,333	57,077	66,762
135,333	0,222	0,419	0,528	0,144	0,258	62,759	20,158	23,368	21,877	21,292	20,789	20,761	21,498	20,295	69,322	57,078	66,730
135,500	0,221	0,429	0,528	0,151	0,257	62,764	20,137	23,344	21,851	21,288	20,796	20,772	21,509	20,294	69,484	57,084	66,698
135,667	0,220	0,441	0,528	0,148	0,266	62,741	20,150	23,273	21,862	21,287	20,807	20,785	21,501	20,297	69,403	57,088	66,680
135,834	0,221	0,461	0,528	0,153	0,256	62,719	20,129	23,231	21,860	21,304	20,813	20,753	21,488	20,299	69,404	57,085	66,648
136,000	0,219	0,476	0,528	0,156	0,256	62,711	20,115	23,209	21,857	21,296	20,798	20,769	21,497	20,299	69,465	57,084	66,646
136,167	0,219	0,483	0,528	0,154	0,257	62,743	20,119	23,210	21,855	21,298	20,821	20,773	21,516	20,302	69,489	57,081	66,661
136,334	0,223	0,480	0,528	0,156	0,248	62,755	20,102	23,215	21,840	21,286	20,830	20,766	21,510	20,299	69,516	57,080	66,657
136,500	0,225	0,470	0,528	0,146	0,086	62,749	20,035	23,322	21,847	21,316	20,830	20,772	21,512	20,301	69,420	57,084	66,652
136,667	0,221	0,457	0,528	0,144	0,057	62,734	20,020	23,495	21,866	21,319	20,841	20,760	21,512	20,302	69,492	57,087	66,672
136,834	0,220	0,452	0,528	0,150	0,241	62,676	20,073	23,570	21,825	21,278	20,837	20,772	21,506	20,299	69,528	57,089	66,696
137,000	0,220	0,460	0,528	0,150	0,261	62,697	20,081	23,417	21,827	21,300	20,816	20,772	21,521	20,301	69,478	57,100	66,700
137,167	0,220	0,470	0,528	0,146	0,263	62,719	20,129	23,343	21,827	21,315	20,828	20,773	21,517	20,303	69,476	57,103	66,699
137,334	0,221	0,474	0,528	0,152	0,261	62,699	20,134	23,249	21,822	21,316	20,819	20,768	21,513	20,303	69,562	57,097	66,710
137,500	0,221	0,479	0,528	0,150	0,256	62,685	20,123	23,230	21,820	21,307	20,853	20,780	21,533	20,306	69,741	57,108	66,724
137,667	0,220	0,482	0,528	0,152	0,259	62,687	20,116	23,191	21,807	21,307	20,833	20,765	21,509	20,307	69,719	57,108	66,733
137,834	0,218	0,481	0,528	0,148	0,253	62,689	20,133	23,157	21,801	21,311	20,858	20,785	21,522	20,306	69,628	57,108	66,743
138,000	0,219	0,478	0,528	0,144	0,246	62,677	20,136	23,157	21,800	21,307	20,833	20,772	21,518	20,305	69,464	57,117	66,777
138,167	0,221	0,490	0,528	0,151	0,254	62,625	20,122	23,136	21,795	21,320	20,837	20,780	21,533	20,311	69,433	57,120	66,817
138,334	0,224	0,486	0,528	0,148	0,257	62,620	20,136	23,126	21,784	21,306	20,841	20,776	21,513	20,310	69,505	57,129	66,832
138,500	0,221	0,478	0,528	0,143	0,224	62,605	20,128	23,150	21,784	21,302	20,841	20,787	21,543	20,305	69,392	57,142	66,807
138,667	0,223	0,475	0,528	0,143	0,085	62,590	20,131	23,191	21,795	21,315	20,848	20,793	21,538	20,309	69,532	57,147	66,769
138,833	0,219	0,480	0,528	0,141	0,258	62,590	20,149	23,236	21,762	21,303	20,861	20,781	21,526	20,309	69,600	57,155	66,750
139,000	0,217	0,494	0,528	0,144	0,249	62,529	20,157	23,141	21,784	21,313	20,867	20,791	21,518	20,311	69,327	57,156	66,735
139,167	0,221	0,506	0,528	0,148	0,258	62,455	20,137	23,098	21,766	21,304	20,851	20,788	21,526	20,310	69,397	57,150	66,735
139,333	0,221	0,515	0,528	0,151	0,243	62,466	20,128	23,050	21,767	21,303	20,866	20,781	21,537	20,311	69,558	57,152	66,733
139,500	0,219	0,508	0,528	0,152	0,292	62,392	20,163	23,063	21,764	21,306	20,868	20,802	21,535	20,311	69,575	57,156	66,719

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
134,833	54,924	0,399	0,392	5324,019	5605,749	287,490	4,793	511,558	5,602	7,762	3,597	2017-09-14 13:02
135,000	54,929	0,398	0,392	5319,968	5595,321	215,357	4,970	511,558	5,599	3,221	2,317	2017-09-14 13:02
135,167	54,933	0,398	0,392	5307,609	5588,433	168,608	5,225	511,558	5,982	9,932	4,068	2017-09-14 13:02
135,333	54,940	0,398	0,392	5288,894	5580,871	148,012	5,475	511,558	5,740	10,300	4,143	2017-09-14 13:02
135,500	54,944	0,398	0,392	5277,981	5655,966	141,240	5,721	511,558	6,043	10,273	4,138	2017-09-14 13:03
135,667	54,947	0,398	0,392	5262,955	5613,742	133,749	6,027	511,558	5,906	10,644	4,212	2017-09-14 13:03
135,834	54,952	0,398	0,392	5252,529	5614,959	136,257	6,536	511,558	6,117	10,239	4,131	2017-09-14 13:03
136,000	54,959	0,398	0,392	5243,775	5646,168	129,565	6,912	511,558	6,255	10,255	4,134	2017-09-14 13:03
136,167	54,960	0,398	0,392	5250,148	5657,900	129,527	7,069	511,557	6,170	10,292	4,142	2017-09-14 13:03
136,334	54,964	0,398	0,392	5245,670	5669,049	153,737	7,008	511,558	6,253	9,903	4,063	2017-09-14 13:03
136,500	54,968	0,398	0,392	5242,823	5624,135	166,635	6,752	511,465	5,840	3,449	2,398	2017-09-14 13:04
136,667	54,972	0,398	0,391	5246,173	5652,279	140,746	6,424	511,558	5,760	2,278	1,948	2017-09-14 13:04
136,834	54,972	0,399	0,392	5259,284	5675,226	131,417	6,305	511,558	5,984	9,624	4,005	2017-09-14 13:04
137,000	54,980	0,399	0,392	5262,024	5647,844	133,690	6,489	511,465	5,998	10,456	4,175	2017-09-14 13:04
137,167	54,984	0,398	0,392	5258,762	5643,640	133,290	6,762	511,465	5,834	10,502	4,184	2017-09-14 13:04
137,334	54,992	0,398	0,392	5257,124	5683,395	140,844	6,845	511,465	6,080	10,442	4,172	2017-09-14 13:04
137,500	54,996	0,398	0,392	5261,432	5757,875	138,120	6,966	511,465	6,007	10,255	4,134	2017-09-14 13:05
137,667	55,004	0,398	0,391	5259,741	5751,597	134,346	7,057	511,465	6,099	10,363	4,156	2017-09-14 13:05
137,834	55,006	0,398	0,392	5265,362	5704,179	121,772	7,026	511,557	5,913	10,120	4,107	2017-09-14 13:05
138,000	55,004	0,398	0,392	5281,406	5620,885	125,528	6,959	511,465	5,757	9,835	4,049	2017-09-14 13:05
138,167	55,006	0,398	0,391	5290,941	5611,301	142,108	7,255	511,558	6,025	10,164	4,116	2017-09-14 13:05
138,334	55,010	0,398	0,391	5301,227	5643,098	156,166	7,151	511,465	5,913	10,276	4,138	2017-09-14 13:05
138,500	55,011	0,398	0,392	5292,548	5582,468	140,462	6,951	511,558	5,714	8,965	3,865	2017-09-14 13:06
138,667	55,010	0,399	0,392	5280,144	5654,070	153,018	6,866	511,558	5,715	3,416	2,386	2017-09-14 13:06
138,833	55,014	0,398	0,392	5265,081	5676,193	124,708	7,001	511,465	5,639	10,307	4,145	2017-09-14 13:06
139,000	55,016	0,398	0,391	5255,198	5549,335	117,169	7,342	511,465	5,776	9,971	4,076	2017-09-14 13:06
139,167	55,022	0,398	0,392	5253,958	5578,631	138,314	7,658	511,465	5,903	10,312	4,146	2017-09-14 13:06
139,333	55,024	0,398	0,391	5248,145	5652,237	141,949	7,874	511,465	6,021	9,706	4,022	2017-09-14 13:06
139,500	55,028	0,398	0,392	5244,208	5660,685	126,921	7,697	511,465	6,074	11,664	4,409	2017-09-14 13:07

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
139,667	0,215	0,488	0,528	0,153	0,294	62,354	20,161	23,023	21,747	21,295	20,846	20,793	21,531	20,311	69,411	57,155	66,703
139,833	0,219	0,473	0,528	0,147	0,291	62,299	20,150	22,991	21,745	21,290	20,849	20,786	21,548	20,309	69,437	57,151	66,735
140,000	0,222	0,464	0,528	0,149	0,293	62,351	20,155	22,989	21,732	21,299	20,857	20,782	21,533	20,309	69,503	57,152	66,758
140,167	0,223	0,468	0,528	0,152	0,225	62,386	20,182	23,028	21,748	21,294	20,868	20,788	21,544	20,310	69,311	57,155	66,755
140,333	0,221	0,470	0,528	0,147	0,082	62,404	20,199	23,154	21,754	21,332	20,868	20,801	21,538	20,311	69,525	57,162	66,745
140,500	0,225	0,467	0,528	0,147	0,290	62,438	20,233	23,264	21,741	21,281	20,871	20,803	21,535	20,313	69,462	57,163	66,741
140,667	0,227	0,460	0,528	0,154	0,295	62,442	20,208	23,208	21,743	21,296	20,851	20,808	21,544	20,310	69,419	57,167	66,733
140,833	0,223	0,465	0,528	0,146	0,286	62,409	20,214	23,158	21,736	21,295	20,868	20,810	21,535	20,313	69,501	57,166	66,706
141,000	0,220	0,475	0,528	0,149	0,294	62,411	20,243	23,115	21,726	21,304	20,882	20,818	21,538	20,315	69,499	57,170	66,711
141,167	0,218	0,484	0,527	0,155	0,290	62,394	20,201	23,093	21,728	21,301	20,887	20,808	21,539	20,315	69,469	57,167	66,692
141,333	0,216	0,482	0,527	0,151	0,290	62,414	20,196	23,084	21,738	21,306	20,885	20,808	21,550	20,315	69,470	57,162	66,698
141,500	0,216	0,483	0,528	0,156	0,276	62,437	20,182	23,081	21,723	21,303	20,874	20,815	21,548	20,315	69,468	57,170	66,710
141,667	0,216	0,485	0,528	0,148	0,271	62,452	20,192	23,098	21,706	21,307	20,886	20,802	21,548	20,317	69,675	57,167	66,719
141,833	0,222	0,484	0,527	0,151	0,281	62,535	20,198	23,115	21,736	21,314	20,909	20,819	21,560	20,321	69,596	57,170	66,726
142,000	0,226	0,464	0,528	0,150	0,272	62,575	20,211	23,144	21,729	21,316	20,873	20,820	21,555	20,322	69,606	57,174	66,738
142,167	0,231	0,447	0,528	0,145	0,186	62,602	20,233	23,192	21,717	21,319	20,891	20,840	21,566	20,323	69,663	57,176	66,751
142,333	0,241	0,431	0,528	0,140	0,075	62,607	20,259	23,297	21,726	21,314	20,900	20,816	21,568	20,322	69,546	57,185	66,780
142,500	0,245	0,420	0,527	0,147	0,055	62,599	20,235	23,474	21,743	21,339	20,884	20,815	21,558	20,323	69,586	57,191	66,789
142,667	0,234	0,424	0,527	0,150	0,283	62,654	20,219	23,486	21,721	21,314	20,891	20,845	21,567	20,326	69,586	57,201	66,800
142,834	0,225	0,440	0,527	0,156	0,276	62,756	20,267	23,384	21,731	21,327	20,921	20,838	21,566	20,333	69,551	57,195	66,822
143,000	0,223	0,452	0,527	0,154	0,277	62,760	20,260	23,354	21,730	21,335	20,908	20,834	21,566	20,329	69,567	57,205	66,827
143,167	0,222	0,453	0,527	0,150	0,280	62,804	20,258	23,319	21,730	21,331	20,895	20,843	21,572	20,330	69,511	57,213	66,819
143,334	0,223	0,452	0,527	0,144	0,282	62,852	20,246	23,310	21,717	21,351	20,923	20,844	21,570	20,338	69,586	57,213	66,813
143,500	0,221	0,448	0,527	0,154	0,270	62,860	20,242	23,292	21,725	21,331	20,915	20,856	21,576	20,330	69,488	57,218	66,832
143,667	0,222	0,452	0,527	0,147	0,276	62,923	20,241	23,288	21,722	21,348	20,930	20,848	21,585	20,334	69,550	57,226	66,831
143,834	0,223	0,452	0,527	0,149	0,274	62,943	20,230	23,263	21,716	21,341	20,901	20,852	21,559	20,331	69,639	57,228	66,800
144,000	0,224	0,453	0,527	0,157	0,283	63,062	20,232	23,299	21,712	21,339	20,903	20,861	21,570	20,330	69,760	57,233	66,772
144,167	0,229	0,445	0,527	0,146	0,281	63,094	20,249	23,268	21,721	21,357	20,929	20,849	21,568	20,333	69,791	57,230	66,768
144,334	0,226	0,448	0,527	0,151	0,259	63,071	20,258	23,293	21,709	21,340	20,926	20,860	21,581	20,339	69,728	57,233	66,809

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
139,667	55,034	0,399	0,391	5232,316	5592,694	104,171	7,212	511,465	6,135	11,755	4,426	2017-09-14 13:07
139,833	55,038	0,398	0,392	5249,243	5601,040	128,064	6,834	511,465	5,874	11,632	4,403	2017-09-14 13:07
140,000	55,042	0,398	0,392	5254,861	5625,867	146,577	6,594	511,465	5,977	11,706	4,417	2017-09-14 13:07
140,167	55,042	0,398	0,391	5250,585	5536,880	153,011	6,709	511,465	6,099	8,986	3,870	2017-09-14 13:07
140,333	55,046	0,399	0,392	5247,850	5639,858	141,692	6,750	511,465	5,867	3,276	2,337	2017-09-14 13:07
140,500	55,050	0,398	0,392	5244,536	5607,164	163,900	6,674	511,465	5,882	11,602	4,397	2017-09-14 13:08
140,667	55,047	0,398	0,391	5237,890	5582,202	175,032	6,492	511,465	6,173	11,782	4,431	2017-09-14 13:08
140,833	55,048	0,398	0,391	5225,727	5625,190	151,024	6,622	511,465	5,851	11,428	4,364	2017-09-14 13:08
141,000	55,056	0,399	0,392	5228,210	5624,159	131,139	6,874	511,465	5,973	11,776	4,430	2017-09-14 13:08
141,167	55,058	0,398	0,392	5219,990	5608,400	119,660	7,097	511,323	6,198	11,603	4,398	2017-09-14 13:08
141,333	55,059	0,398	0,392	5219,793	5609,434	107,756	7,061	511,322	6,030	11,581	4,393	2017-09-14 13:08
141,500	55,066	0,398	0,391	5217,489	5603,936	108,590	7,076	511,465	6,232	11,057	4,293	2017-09-14 13:09
141,667	55,070	0,398	0,391	5222,114	5703,903	109,862	7,128	511,465	5,937	10,827	4,248	2017-09-14 13:09
141,833	55,072	0,399	0,392	5228,469	5674,578	144,026	7,088	511,323	6,056	11,233	4,327	2017-09-14 13:09
142,000	55,075	0,399	0,392	5237,768	5680,298	167,406	6,598	511,465	6,019	10,863	4,255	2017-09-14 13:09
142,167	55,082	0,398	0,392	5235,415	5694,922	203,387	6,185	511,465	5,810	7,459	3,526	2017-09-14 13:09
142,333	55,082	0,398	0,392	5246,753	5637,170	266,237	5,765	511,465	5,594	3,016	2,242	2017-09-14 13:09
142,500	55,084	0,398	0,392	5250,361	5651,909	291,826	5,499	511,323	5,870	2,213	1,921	2017-09-14 13:10
142,667	55,084	0,399	0,391	5252,926	5649,975	222,841	5,606	511,323	5,983	11,340	4,347	2017-09-14 13:10
142,834	55,090	0,399	0,392	5263,247	5637,888	164,751	6,002	511,322	6,249	11,039	4,289	2017-09-14 13:10
143,000	55,091	0,399	0,391	5258,605	5641,263	150,343	6,312	511,323	6,153	11,077	4,297	2017-09-14 13:10
143,167	55,089	0,398	0,391	5256,179	5608,252	147,348	6,334	511,322	6,007	11,212	4,323	2017-09-14 13:10
143,334	55,091	0,398	0,392	5259,875	5639,749	149,457	6,296	511,322	5,752	11,274	4,335	2017-09-14 13:10
143,500	55,093	0,399	0,391	5262,109	5598,794	142,129	6,208	511,322	6,163	10,794	4,241	2017-09-14 13:11
143,667	55,097	0,399	0,391	5258,527	5621,351	145,260	6,307	511,322	5,866	11,058	4,293	2017-09-14 13:11
143,834	55,099	0,399	0,391	5245,436	5666,025	151,337	6,309	511,323	5,965	10,952	4,272	2017-09-14 13:11
144,000	55,102	0,399	0,392	5238,286	5717,172	155,867	6,323	511,323	6,300	11,319	4,343	2017-09-14 13:11
144,167	55,107	0,399	0,392	5230,348	5734,019	190,348	6,136	511,322	5,842	11,223	4,325	2017-09-14 13:11
144,334	55,109	0,398	0,391	5239,517	5691,827	168,035	6,191	511,323	6,036	10,379	4,159	2017-09-14 13:11

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
144,500	0,223	0,457	0,527	0,150	0,286	63,149	20,254	23,253	21,708	21,330	20,911	20,827	21,581	20,334	69,858	57,236	66,859
144,667	0,220	0,465	0,527	0,158	0,272	63,176	20,263	23,240	21,700	21,345	20,919	20,866	21,575	20,342	69,772	57,232	66,901
144,834	0,218	0,478	0,527	0,145	0,279	63,218	20,255	23,249	21,713	21,352	20,940	20,860	21,596	20,345	69,771	57,242	66,927
145,000	0,218	0,496	0,527	0,158	0,282	63,240	20,258	23,241	21,703	21,334	20,928	20,860	21,580	20,338	69,799	57,249	66,936
145,167	0,217	0,512	0,527	0,146	0,277	63,310	20,258	23,232	21,708	21,349	20,928	20,851	21,588	20,339	69,715	57,260	66,950
145,334	0,218	0,519	0,527	0,150	0,277	63,321	20,255	23,232	21,705	21,354	20,923	20,861	21,583	20,338	69,512	57,266	66,952
145,500	0,215	0,527	0,527	0,141	0,271	63,338	20,234	23,204	21,700	21,348	20,937	20,856	21,591	20,339	69,861	57,276	66,941
145,667	0,213	0,527	0,527	0,156	0,281	63,295	20,269	23,208	21,694	21,347	20,964	20,872	21,583	20,345	69,851	57,281	66,931
145,833	0,213	0,514	0,527	0,148	0,283	63,270	20,263	23,201	21,679	21,343	20,934	20,868	21,596	20,342	69,759	57,281	66,890
146,000	0,220	0,486	0,533	0,149	0,285	63,248	20,240	23,214	21,686	21,356	20,938	20,869	21,589	20,346	69,771	57,277	66,902
146,167	0,221	0,469	0,533	0,145	0,275	63,193	20,261	23,198	21,695	21,352	20,954	20,885	21,580	20,347	69,715	57,269	66,923
146,333	0,226	0,468	0,530	0,156	0,290	63,090	20,301	23,143	21,687	21,355	20,950	20,874	21,588	20,341	69,713	57,265	66,955
146,500	0,226	0,465	0,527	0,156	0,273	63,152	20,310	23,167	21,700	21,353	20,946	20,878	21,596	20,351	69,963	57,261	66,990
146,667	0,224	0,459	0,527	0,152	0,278	63,156	20,369	23,181	21,700	21,361	20,979	20,880	21,599	20,351	70,019	57,256	66,990
146,833	0,220	0,466	0,527	0,149	0,276	63,084	20,389	23,176	21,700	21,363	20,954	20,884	21,604	20,354	69,830	57,254	66,977
147,000	0,222	0,491	0,527	0,155	0,285	63,051	20,356	23,180	21,674	21,370	20,972	20,891	21,590	20,351	69,767	57,262	66,959
147,167	0,219	0,504	0,527	0,151	0,284	63,050	20,356	23,151	21,687	21,363	20,962	20,869	21,591	20,350	70,028	57,257	67,026
147,333	0,218	0,507	0,527	0,154	0,275	63,031	20,340	23,152	21,690	21,349	20,938	20,877	21,592	20,347	69,926	57,261	67,043
147,500	0,219	0,511	0,527	0,147	0,282	63,070	20,305	23,177	21,676	21,364	20,966	20,882	21,580	20,349	69,979	57,258	67,030
147,667	0,222	0,508	0,530	0,154	0,281	63,040	20,358	23,166	21,685	21,367	20,967	20,893	21,608	20,358	69,984	57,262	67,051
147,833	0,225	0,502	0,536	0,156	0,278	63,056	20,354	23,151	21,705	21,369	20,956	20,885	21,602	20,362	69,856	57,266	67,087
148,000	0,221	0,491	0,527	0,148	0,272	62,977	20,343	23,157	21,685	21,351	20,992	20,886	21,592	20,356	70,024	57,266	67,091
148,167	0,216	0,483	0,529	0,145	0,282	62,951	20,360	23,137	21,676	21,367	20,969	20,877	21,603	20,359	69,951	57,265	67,109
148,333	0,213	0,484	0,527	0,149	0,269	62,892	20,380	23,127	21,672	21,360	20,953	20,893	21,599	20,360	70,021	57,269	67,114
148,500	0,215	0,484	0,527	0,150	0,279	62,854	20,389	23,136	21,657	21,361	20,970	20,885	21,595	20,354	69,878	57,265	67,121
148,667	0,216	0,484	0,527	0,147	0,273	62,821	20,420	23,150	21,676	21,364	20,976	20,889	21,603	20,356	70,056	57,257	67,132
148,833	0,218	0,483	0,527	0,149	0,273	62,755	20,469	23,094	21,676	21,352	20,950	20,893	21,609	20,355	69,953	57,256	67,145
149,000	0,218	0,476	0,527	0,148	0,276	62,743	20,422	23,087	21,655	21,347	20,996	20,892	21,611	20,355	69,862	57,258	67,164
149,167	0,217	0,475	0,527	0,153	0,277	62,737	20,482	23,079	21,663	21,371	20,981	20,910	21,624	20,375	70,006	57,258	67,148

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
144,500	55,110	0,398	0,391	5260,928	5749,864	152,417	6,437	511,322	5,994	11,432	4,365	2017-09-14 13:12
144,667	55,110	0,398	0,391	5280,831	5711,834	135,208	6,615	511,323	6,335	10,863	4,255	2017-09-14 13:12
144,834	55,114	0,398	0,391	5290,492	5709,827	119,274	6,952	511,322	5,815	11,148	4,311	2017-09-14 13:12
145,000	55,109	0,399	0,391	5301,947	5725,546	118,635	7,388	511,322	6,300	11,275	4,335	2017-09-14 13:12
145,167	55,103	0,399	0,391	5309,870	5683,666	111,922	7,802	511,322	5,834	11,079	4,297	2017-09-14 13:12
145,334	55,093	0,398	0,391	5316,764	5585,087	122,203	7,967	511,229	5,993	11,099	4,301	2017-09-14 13:12
145,500	55,087	0,399	0,391	5314,020	5741,511	101,881	8,185	511,229	5,645	10,846	4,252	2017-09-14 13:13
145,667	55,080	0,398	0,391	5311,667	5732,398	90,756	8,170	511,322	6,254	11,260	4,332	2017-09-14 13:13
145,833	55,079	0,399	0,392	5297,233	5693,187	90,745	7,840	511,229	5,916	11,332	4,346	2017-09-14 13:13
146,000	55,079	0,399	0,391	5301,286	5702,632	132,206	7,148	512,351	5,975	11,403	4,359	2017-09-14 13:13
146,167	55,075	0,398	0,391	5312,170	5674,962	137,884	6,737	512,351	5,813	10,993	4,280	2017-09-14 13:13
146,333	55,078	0,399	0,391	5321,721	5679,656	170,595	6,712	511,941	6,240	11,581	4,393	2017-09-14 13:13
146,500	55,078	0,398	0,391	5340,375	5791,785	168,865	6,635	511,229	6,234	10,926	4,267	2017-09-14 13:14
146,667	55,076	0,399	0,392	5345,817	5831,750	157,222	6,478	511,229	6,074	11,111	4,303	2017-09-14 13:14
146,833	55,075	0,399	0,392	5341,562	5748,199	134,993	6,650	511,323	5,970	11,035	4,289	2017-09-14 13:14
147,000	55,068	0,399	0,392	5334,955	5707,571	148,435	7,271	511,229	6,196	11,420	4,363	2017-09-14 13:14
147,167	55,064	0,399	0,391	5359,812	5828,233	128,905	7,593	511,229	6,045	11,358	4,351	2017-09-14 13:14
147,333	55,058	0,399	0,391	5366,078	5779,928	120,501	7,673	511,229	6,163	11,013	4,284	2017-09-14 13:14
147,500	55,050	0,399	0,391	5367,714	5803,083	128,895	7,774	511,229	5,865	11,269	4,334	2017-09-14 13:15
147,667	55,048	0,399	0,391	5377,055	5804,559	143,036	7,707	511,932	6,156	11,224	4,325	2017-09-14 13:15
147,833	55,046	0,398	0,391	5398,389	5741,903	165,373	7,550	513,054	6,249	11,128	4,307	2017-09-14 13:15
148,000	55,043	0,399	0,391	5397,591	5821,167	140,024	7,272	511,228	5,931	10,873	4,257	2017-09-14 13:15
148,167	55,043	0,399	0,391	5405,780	5787,986	109,626	7,074	511,651	5,786	11,266	4,333	2017-09-14 13:15
148,333	55,043	0,399	0,390	5399,458	5817,225	86,138	7,097	511,229	5,952	10,770	4,237	2017-09-14 13:15
148,500	55,042	0,399	0,391	5412,364	5755,334	99,317	7,106	511,229	6,014	11,161	4,313	2017-09-14 13:16
148,667	55,039	0,399	0,391	5422,239	5840,560	107,826	7,097	511,228	5,874	10,922	4,267	2017-09-14 13:16
148,833	55,040	0,399	0,391	5421,546	5793,802	121,567	7,070	511,228	5,942	10,900	4,262	2017-09-14 13:16
149,000	55,034	0,399	0,391	5436,204	5752,814	117,572	6,899	511,229	5,927	11,044	4,290	2017-09-14 13:16
149,167	55,031	0,399	0,391	5433,109	5823,482	113,798	6,877	511,228	6,130	11,086	4,298	2017-09-14 13:16

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
149,334	0,221	0,468	0,527	0,149	0,269	62,647	20,434	23,062	21,685	21,386	20,985	20,914	21,636	20,372	69,977	57,266	67,132
149,500	0,221	0,457	0,527	0,144	0,273	62,591	20,393	23,030	21,668	21,352	20,991	20,903	21,602	20,360	70,060	57,268	67,149
149,667	0,221	0,449	0,527	0,155	0,264	62,568	20,386	23,038	21,656	21,369	20,977	20,893	21,616	20,362	69,804	57,266	67,126
149,834	0,226	0,442	0,527	0,151	0,275	62,562	20,410	23,045	21,647	21,363	20,987	20,896	21,612	20,364	69,864	57,260	67,128
150,000	0,227	0,426	0,527	0,149	0,277	62,455	20,406	23,015	21,643	21,368	20,975	20,892	21,622	20,362	69,877	57,260	67,145
150,167	0,226	0,417	0,527	0,145	0,274	62,462	20,421	23,003	21,660	21,358	20,983	20,909	21,621	20,368	69,629	57,260	67,133
150,334	0,223	0,425	0,526	0,149	0,271	62,399	20,400	22,991	21,663	21,356	21,014	20,924	21,619	20,368	69,889	57,258	67,095
150,500	0,224	0,440	0,526	0,151	0,271	62,409	20,401	22,965	21,646	21,354	20,984	20,915	21,613	20,367	69,785	57,248	67,076
150,667	0,223	0,455	0,527	0,150	0,275	62,396	20,409	22,948	21,653	21,350	20,977	20,908	21,626	20,370	69,613	57,249	67,049
150,834	0,224	0,458	0,526	0,149	0,274	62,370	20,414	22,966	21,657	21,380	21,023	20,921	21,624	20,378	69,764	57,250	67,030
151,000	0,230	0,453	0,527	0,155	0,277	62,336	20,377	22,946	21,643	21,362	20,985	20,923	21,612	20,370	69,629	57,244	67,029
151,167	0,239	0,443	0,527	0,158	0,270	62,285	20,387	22,942	21,641	21,349	21,000	20,900	21,613	20,367	69,693	57,241	67,009
151,334	0,243	0,426	0,526	0,153	0,278	62,226	20,385	22,972	21,640	21,355	20,998	20,902	21,608	20,370	69,765	57,241	66,994
151,500	0,245	0,412	0,526	0,152	0,274	62,198	20,385	22,954	21,637	21,367	21,002	20,901	21,620	20,374	69,558	57,236	66,986
151,667	0,243	0,417	0,526	0,148	0,276	62,192	20,392	22,980	21,642	21,359	21,006	20,906	21,620	20,376	69,480	57,236	66,945
151,834	0,240	0,439	0,526	0,146	0,269	62,160	20,391	22,981	21,636	21,357	20,999	20,904	21,627	20,374	69,627	57,229	66,931
152,000	0,228	0,461	0,526	0,152	0,273	62,174	20,405	23,002	21,640	21,364	21,033	20,918	21,632	20,378	69,546	57,225	66,909
152,167	0,224	0,473	0,526	0,139	0,269	62,174	20,404	22,994	21,649	21,371	21,012	20,918	21,625	20,384	69,534	57,218	66,881
152,333	0,222	0,473	0,526	0,147	0,276	62,162	20,432	22,986	21,629	21,366	21,004	20,919	21,625	20,379	69,501	57,214	66,861
152,500	0,223	0,466	0,526	0,151	0,271	62,127	20,423	22,985	21,625	21,355	21,013	20,925	21,631	20,378	69,415	57,206	66,839
152,667	0,227	0,461	0,526	0,153	0,275	62,153	20,389	22,960	21,642	21,361	20,998	20,917	21,624	20,380	69,368	57,201	66,823
152,833	0,229	0,464	0,526	0,145	0,276	62,134	20,395	22,964	21,639	21,361	21,034	20,917	21,649	20,384	69,455	57,190	66,805
153,000	0,225	0,466	0,526	0,146	0,282	62,138	20,400	22,983	21,633	21,364	21,016	20,940	21,646	20,382	69,488	57,189	66,777
153,167	0,224	0,466	0,526	0,144	0,281	62,084	20,410	22,963	21,631	21,354	21,011	20,916	21,623	20,380	69,247	57,186	66,766
153,333	0,224	0,468	0,526	0,149	0,278	62,131	20,412	22,970	21,639	21,371	21,010	20,934	21,644	20,391	69,468	57,178	66,751
153,500	0,221	0,487	0,526	0,143	0,282	62,098	20,389	22,947	21,618	21,365	21,037	20,933	21,639	20,384	69,490	57,174	66,738
153,667	0,219	0,498	0,526	0,147	0,273	62,058	20,395	22,912	21,619	21,359	21,023	20,917	21,629	20,384	69,532	57,175	66,723
153,833	0,220	0,499	0,526	0,149	0,272	62,074	20,382	22,901	21,615	21,357	21,033	20,940	21,653	20,388	69,190	57,170	66,722
154,000	0,219	0,504	0,526	0,147	0,284	62,028	20,396	22,906	21,602	21,353	21,038	20,929	21,628	20,387	69,313	57,168	66,722

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
149,334	55,028	0,399	0,391	5426,799	5804,672	141,678	6,703	511,228	5,951	10,766	4,236	2017-09-14 13:16
149,500	55,022	0,399	0,391	5434,443	5839,292	138,735	6,422	511,229	5,768	10,917	4,266	2017-09-14 13:17
149,667	55,020	0,399	0,391	5423,557	5722,643	138,964	6,230	511,229	6,185	10,579	4,199	2017-09-14 13:17
149,834	55,015	0,399	0,391	5430,414	5754,015	167,795	6,041	511,229	6,047	11,017	4,285	2017-09-14 13:17
150,000	55,015	0,399	0,391	5437,066	5761,639	177,315	5,654	511,229	5,965	11,084	4,298	2017-09-14 13:17
150,167	55,019	0,399	0,391	5424,013	5645,155	169,324	5,422	511,228	5,781	10,961	4,274	2017-09-14 13:17
150,334	55,015	0,399	0,391	5409,786	5761,871	152,813	5,622	511,135	5,941	10,851	4,253	2017-09-14 13:17
150,500	55,016	0,399	0,391	5402,141	5722,670	158,251	5,996	511,135	6,058	10,834	4,249	2017-09-14 13:18
150,667	55,016	0,398	0,391	5388,647	5638,345	149,648	6,381	511,229	6,009	11,003	4,282	2017-09-14 13:18
150,834	55,018	0,399	0,390	5373,491	5709,237	158,796	6,444	511,135	5,954	10,954	4,273	2017-09-14 13:18
151,000	55,012	0,399	0,391	5385,416	5649,620	194,708	6,320	511,270	6,181	11,071	4,296	2017-09-14 13:18
151,167	55,011	0,399	0,391	5379,880	5680,954	249,813	6,075	511,229	6,318	10,811	4,245	2017-09-14 13:18
151,334	55,006	0,399	0,391	5374,447	5718,289	276,726	5,640	511,135	6,109	11,101	4,301	2017-09-14 13:18
151,500	55,004	0,399	0,391	5367,405	5630,607	288,654	5,308	511,135	6,067	10,971	4,276	2017-09-14 13:19
151,667	55,001	0,400	0,391	5347,867	5600,056	278,905	5,433	511,136	5,928	11,026	4,287	2017-09-14 13:19
151,834	55,001	0,399	0,392	5351,263	5662,174	256,817	5,979	511,135	5,826	10,779	4,239	2017-09-14 13:19
152,000	55,001	0,399	0,392	5343,629	5623,909	183,031	6,523	511,135	6,067	10,933	4,269	2017-09-14 13:19
152,167	54,997	0,399	0,391	5326,383	5619,413	157,556	6,818	511,135	5,574	10,763	4,235	2017-09-14 13:19
152,333	54,997	0,399	0,391	5317,641	5606,798	144,805	6,813	511,135	5,893	11,050	4,292	2017-09-14 13:19
152,500	54,999	0,399	0,391	5303,940	5571,120	153,657	6,640	511,135	6,046	10,823	4,247	2017-09-14 13:20
152,667	54,999	0,398	0,391	5297,223	5548,324	174,400	6,513	511,135	6,104	11,009	4,283	2017-09-14 13:20
152,833	54,997	0,398	0,391	5291,142	5594,373	187,436	6,600	511,135	5,808	11,042	4,290	2017-09-14 13:20
153,000	54,993	0,398	0,391	5272,595	5608,011	163,987	6,653	511,135	5,839	11,288	4,337	2017-09-14 13:20
153,167	54,991	0,398	0,391	5269,495	5495,507	155,113	6,643	511,135	5,773	11,242	4,329	2017-09-14 13:20
153,333	54,985	0,398	0,391	5263,890	5603,719	157,188	6,698	511,135	5,959	11,105	4,302	2017-09-14 13:20
153,500	54,983	0,399	0,391	5264,690	5618,331	139,572	7,168	511,135	5,721	11,270	4,334	2017-09-14 13:21
153,667	54,981	0,399	0,391	5260,683	5642,307	129,117	7,451	511,135	5,873	10,924	4,267	2017-09-14 13:21
153,833	54,983	0,399	0,391	5256,068	5485,025	134,364	7,481	511,135	5,973	10,875	4,257	2017-09-14 13:21
154,000	54,984	0,399	0,391	5260,239	5542,179	128,905	7,604	511,135	5,882	11,373	4,354	2017-09-14 13:21

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
154,167	0,219	0,500	0,526	0,146	0,271	62,010	20,386	22,924	21,605	21,359	21,040	20,918	21,631	20,391	69,571	57,167	66,733
154,333	0,218	0,487	0,526	0,146	0,272	61,954	20,403	22,925	21,601	21,350	21,041	20,952	21,648	20,392	69,583	57,158	66,730
154,500	0,219	0,485	0,526	0,154	0,266	61,984	20,396	22,933	21,605	21,373	21,043	20,912	21,658	20,398	69,450	57,160	66,704
154,667	0,219	0,488	0,526	0,146	0,270	62,000	20,413	22,929	21,610	21,353	21,033	20,932	21,679	20,400	69,488	57,162	66,712
154,833	0,218	0,490	0,526	0,145	0,280	61,930	20,391	22,957	21,618	21,350	21,065	20,926	21,663	20,394	69,573	57,163	66,727
155,000	0,217	0,490	0,526	0,144	0,265	61,920	20,398	22,973	21,619	21,373	21,037	20,938	21,656	20,406	69,473	57,158	66,718
155,167	0,217	0,490	0,526	0,141	0,276	61,894	20,370	22,961	21,597	21,339	21,071	20,926	21,658	20,395	69,268	57,155	66,711
155,333	0,220	0,499	0,526	0,148	0,274	61,899	20,373	22,972	21,593	21,349	21,037	20,918	21,662	20,396	69,233	57,151	66,730
155,500	0,226	0,492	0,526	0,147	0,281	61,893	20,374	22,972	21,594	21,366	21,050	20,921	21,660	20,399	69,268	57,150	66,729
155,667	0,224	0,464	0,526	0,144	0,277	61,879	20,377	22,965	21,598	21,365	21,054	20,942	21,655	20,402	69,345	57,152	66,707
155,833	0,220	0,449	0,526	0,150	0,278	61,902	20,383	22,991	21,610	21,356	21,061	20,943	21,662	20,407	69,220	57,146	66,661
156,000	0,222	0,437	0,526	0,155	0,268	61,887	20,364	22,961	21,601	21,344	21,057	20,919	21,656	20,399	69,154	57,140	66,625
156,167	0,227	0,423	0,526	0,156	0,281	61,866	20,362	22,976	21,594	21,353	21,050	20,926	21,664	20,402	69,124	57,134	66,625
156,334	0,238	0,409	0,526	0,152	0,267	61,880	20,381	22,984	21,610	21,360	21,048	20,933	21,677	20,412	69,195	57,124	66,613
156,500	0,241	0,405	0,526	0,152	0,275	61,918	20,356	22,995	21,602	21,353	21,077	20,936	21,657	20,403	69,232	57,119	66,565
156,667	0,239	0,414	0,526	0,140	0,268	61,907	20,366	23,012	21,599	21,358	21,061	20,924	21,661	20,408	69,168	57,119	66,528
156,834	0,227	0,433	0,526	0,152	0,274	61,908	20,366	23,004	21,597	21,364	21,071	20,936	21,670	20,407	69,160	57,113	66,497
157,000	0,223	0,458	0,526	0,150	0,274	61,852	20,357	22,991	21,580	21,356	21,053	20,928	21,648	20,404	69,004	57,115	66,494
157,167	0,223	0,477	0,526	0,147	0,269	61,867	20,361	22,961	21,583	21,356	21,061	20,934	21,679	20,410	69,138	57,109	66,499
157,334	0,217	0,494	0,526	0,140	0,285	61,842	20,361	22,935	21,571	21,352	21,078	20,930	21,666	20,406	69,090	57,101	66,493
157,500	0,212	0,525	0,526	0,152	0,268	61,823	20,373	22,918	21,583	21,361	21,073	20,927	21,662	20,407	68,997	57,101	66,467
157,667	0,211	0,552	0,526	0,145	0,282	61,814	20,359	22,909	21,589	21,351	21,051	20,932	21,673	20,410	69,156	57,096	66,450
157,834	0,210	0,572	0,526	0,151	0,274	61,817	20,360	22,923	21,575	21,358	21,064	20,915	21,670	20,408	69,283	57,087	66,455
158,000	0,211	0,560	0,526	0,143	0,267	61,754	20,343	22,915	21,567	21,349	21,073	20,932	21,670	20,412	69,244	57,080	66,452
158,167	0,212	0,531	0,526	0,150	0,269	61,738	20,325	22,906	21,583	21,357	21,065	20,938	21,669	20,411	69,183	57,076	66,447
158,334	0,217	0,508	0,526	0,151	0,271	61,783	20,342	22,921	21,584	21,360	21,104	20,937	21,691	20,418	69,142	57,074	66,456
158,500	0,219	0,494	0,526	0,144	0,278	61,733	20,329	22,892	21,589	21,356	21,075	20,934	21,666	20,410	69,085	57,076	66,490
158,667	0,218	0,494	0,526	0,149	0,268	61,725	20,327	22,872	21,576	21,343	21,054	20,916	21,657	20,407	69,135	57,078	66,481
158,834	0,217	0,507	0,526	0,148	0,266	61,684	20,347	22,894	21,570	21,339	21,087	20,927	21,685	20,410	69,174	57,074	66,468

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
154,167	54,987	0,398	0,391	5262,491	5653,369	125,542	7,501	511,135	5,829	10,827	4,248	2017-09-14 13:21
154,333	54,983	0,399	0,391	5259,372	5669,907	122,811	7,182	511,135	5,841	10,890	4,260	2017-09-14 13:21
154,500	54,985	0,399	0,391	5251,254	5608,937	128,471	7,115	511,135	6,142	10,648	4,213	2017-09-14 13:22
154,667	54,987	0,399	0,391	5257,670	5623,808	129,093	7,200	511,135	5,841	10,785	4,240	2017-09-14 13:22
154,833	54,987	0,399	0,392	5273,339	5668,641	118,006	7,244	511,135	5,797	11,214	4,323	2017-09-14 13:22
155,000	54,983	0,399	0,392	5266,993	5625,852	116,321	7,250	511,135	5,746	10,610	4,205	2017-09-14 13:22
155,167	54,983	0,399	0,391	5259,723	5530,055	113,781	7,262	511,135	5,654	11,040	4,289	2017-09-14 13:22
155,333	54,980	0,399	0,391	5263,977	5512,190	131,313	7,481	511,136	5,927	10,953	4,273	2017-09-14 13:22
155,500	54,976	0,399	0,391	5262,101	5529,951	172,506	7,304	511,135	5,868	11,250	4,330	2017-09-14 13:23
155,667	54,976	0,398	0,392	5262,300	5560,899	156,152	6,591	511,135	5,752	11,066	4,295	2017-09-14 13:23
155,833	54,976	0,398	0,391	5236,984	5504,539	134,590	6,228	511,135	6,004	11,113	4,304	2017-09-14 13:23
156,000	54,975	0,398	0,391	5212,002	5474,344	147,963	5,919	511,135	6,200	10,717	4,226	2017-09-14 13:23
156,167	54,975	0,398	0,391	5221,018	5467,533	176,290	5,582	511,135	6,242	11,226	4,326	2017-09-14 13:23
156,334	54,975	0,399	0,391	5215,829	5511,848	247,801	5,236	511,135	6,072	10,661	4,215	2017-09-14 13:23
156,500	54,973	0,398	0,391	5197,470	5524,654	263,131	5,135	511,135	6,097	10,996	4,281	2017-09-14 13:24
156,667	54,972	0,398	0,391	5176,458	5496,047	253,889	5,359	511,041	5,610	10,732	4,229	2017-09-14 13:24
156,834	54,971	0,399	0,392	5171,183	5496,224	178,580	5,813	511,041	6,070	10,962	4,274	2017-09-14 13:24
157,000	54,968	0,399	0,391	5169,006	5428,761	154,269	6,460	511,041	5,984	10,961	4,274	2017-09-14 13:24
157,167	54,967	0,399	0,391	5170,348	5489,619	153,852	6,937	511,042	5,872	10,770	4,237	2017-09-14 13:24
157,334	54,963	0,398	0,392	5172,993	5463,029	112,760	7,359	511,041	5,608	11,383	4,356	2017-09-14 13:24
157,500	54,963	0,398	0,391	5155,159	5425,133	84,314	8,134	511,041	6,088	10,715	4,226	2017-09-14 13:25
157,667	54,960	0,398	0,391	5144,031	5496,431	74,582	8,794	511,041	5,789	11,283	4,336	2017-09-14 13:25
157,834	54,960	0,398	0,391	5146,758	5558,788	69,541	9,296	511,041	6,050	10,944	4,271	2017-09-14 13:25
158,000	54,961	0,398	0,391	5145,789	5548,343	79,398	9,005	511,041	5,708	10,697	4,222	2017-09-14 13:25
158,167	54,967	0,399	0,391	5146,460	5523,077	82,344	8,286	511,041	5,986	10,769	4,237	2017-09-14 13:25
158,334	54,969	0,398	0,391	5148,138	5503,226	113,343	7,706	511,041	6,058	10,824	4,247	2017-09-14 13:25
158,500	54,972	0,398	0,391	5161,209	5475,940	127,773	7,338	511,135	5,750	11,109	4,303	2017-09-14 13:26
158,667	54,972	0,399	0,391	5159,997	5499,704	123,450	7,340	511,041	5,940	10,726	4,228	2017-09-14 13:26
158,834	54,968	0,399	0,391	5151,684	5523,965	115,411	7,667	511,042	5,915	10,638	4,211	2017-09-14 13:26

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
159,000	0,214	0,515	0,526	0,145	0,268	61,708	20,330	22,917	21,569	21,360	21,069	20,928	21,686	20,412	69,206	57,078	66,475
159,167	0,212	0,521	0,526	0,147	0,274	61,654	20,327	22,926	21,563	21,352	21,109	20,934	21,679	20,412	69,179	57,088	66,478
159,333	0,215	0,520	0,526	0,134	0,272	61,615	20,323	22,901	21,563	21,355	21,082	20,944	21,689	20,411	69,255	57,088	66,466
159,500	0,221	0,510	0,526	0,145	0,272	61,603	20,304	22,866	21,562	21,340	21,069	20,927	21,689	20,422	69,275	57,084	66,478
159,667	0,223	0,492	0,526	0,149	0,276	61,574	20,283	22,861	21,570	21,361	21,100	20,945	21,685	20,418	69,199	57,082	66,494
159,833	0,230	0,468	0,526	0,150	0,267	61,580	20,248	22,876	21,560	21,353	21,094	20,938	21,686	20,416	69,271	57,084	66,487
160,000	0,235	0,449	0,526	0,150	0,275	61,598	20,261	22,867	21,563	21,344	21,096	20,925	21,678	20,416	69,295	57,085	66,486
160,167	0,231	0,452	0,526	0,141	0,278	61,558	20,283	22,880	21,567	21,357	21,095	20,932	21,686	20,416	69,268	57,088	66,494
160,333	0,222	0,467	0,526	0,144	0,275	61,534	20,298	22,874	21,575	21,352	21,091	20,956	21,699	20,427	69,222	57,080	66,502
160,500	0,220	0,482	0,525	0,146	0,266	61,507	20,300	22,849	21,557	21,360	21,112	20,933	21,688	20,422	69,026	57,081	66,502
160,667	0,219	0,483	0,526	0,142	0,279	61,512	20,298	22,870	21,552	21,350	21,078	20,932	21,695	20,423	69,166	57,084	66,503
160,833	0,221	0,472	0,526	0,155	0,278	61,517	20,269	22,852	21,544	21,356	21,123	20,932	21,698	20,420	69,160	57,087	66,502
161,000	0,226	0,449	0,526	0,146	0,271	61,459	20,269	22,837	21,550	21,333	21,086	20,925	21,693	20,416	69,136	57,089	66,482
161,167	0,229	0,430	0,525	0,151	0,265	61,521	20,269	22,834	21,543	21,341	21,085	20,936	21,681	20,423	69,162	57,088	66,460
161,333	0,229	0,434	0,526	0,145	0,269	61,453	20,270	22,823	21,540	21,338	21,119	20,933	21,685	20,424	69,098	57,084	66,463
161,500	0,228	0,447	0,526	0,141	0,275	61,443	20,291	22,813	21,541	21,335	21,119	20,936	21,689	20,423	69,123	57,089	66,460
161,667	0,221	0,471	0,525	0,147	0,278	61,454	20,309	22,813	21,551	21,341	21,097	20,936	21,690	20,423	69,054	57,088	66,433
161,833	0,216	0,495	0,526	0,144	0,270	61,401	20,290	22,789	21,548	21,347	21,130	20,928	21,685	20,423	69,089	57,085	66,406
162,000	0,213	0,511	0,525	0,142	0,258	61,406	20,275	22,801	21,528	21,346	21,102	20,923	21,688	20,423	69,123	57,077	66,378
162,167	0,212	0,520	0,526	0,143	0,274	61,384	20,279	22,806	21,552	21,352	21,120	20,939	21,711	20,435	69,127	57,070	66,377
162,333	0,212	0,523	0,525	0,146	0,278	61,385	20,244	22,775	21,534	21,354	21,130	20,932	21,690	20,426	69,117	57,070	66,374
162,500	0,211	0,532	0,525	0,143	0,268	61,382	20,252	22,800	21,536	21,337	21,110	20,932	21,714	20,424	69,151	57,065	66,384
162,667	0,211	0,546	0,525	0,153	0,280	61,402	20,275	22,784	21,539	21,328	21,116	20,936	21,701	20,426	69,119	57,066	66,400
162,833	0,210	0,542	0,525	0,146	0,275	61,394	20,240	22,774	21,526	21,330	21,127	20,916	21,710	20,427	69,210	57,062	66,404
163,000	0,212	0,531	0,525	0,148	0,274	61,375	20,268	22,766	21,560	21,339	21,111	20,931	21,711	20,432	69,290	57,068	66,406
163,167	0,214	0,507	0,525	0,141	0,268	61,430	20,248	22,772	21,525	21,330	21,108	20,944	21,710	20,434	69,198	57,068	66,419
163,334	0,217	0,493	0,525	0,149	0,266	61,396	20,236	22,774	21,523	21,329	21,142	20,932	21,715	20,430	69,146	57,070	66,436
163,500	0,220	0,490	0,525	0,138	0,274	61,331	20,218	22,774	21,528	21,327	21,100	20,927	21,697	20,422	69,146	57,068	66,463
163,667	0,221	0,488	0,525	0,147	0,271	61,305	20,252	22,785	21,517	21,355	21,141	20,918	21,707	20,426	69,261	57,069	66,460

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
159,000	54,971	0,399	0,391	5154,837	5534,867	94,706	7,869	511,041	5,813	10,738	4,230	2017-09-14 13:26
159,167	54,967	0,398	0,391	5159,016	5512,578	85,506	8,020	511,041	5,868	10,973	4,276	2017-09-14 13:26
159,333	54,964	0,399	0,391	5152,277	5555,586	102,670	7,990	511,041	5,379	10,867	4,256	2017-09-14 13:26
159,500	54,963	0,399	0,392	5164,679	5561,208	137,467	7,738	511,041	5,818	10,876	4,257	2017-09-14 13:27
159,667	54,960	0,398	0,391	5170,117	5524,255	153,762	7,293	511,041	5,963	11,037	4,289	2017-09-14 13:27
159,833	54,956	0,399	0,391	5171,093	5561,941	196,696	6,710	511,041	5,987	10,663	4,216	2017-09-14 13:27
160,000	54,963	0,399	0,391	5165,281	5570,115	225,770	6,234	511,041	6,009	11,016	4,285	2017-09-14 13:27
160,167	54,967	0,398	0,391	5162,929	5555,725	199,993	6,295	511,041	5,628	11,100	4,301	2017-09-14 13:27
160,333	54,971	0,399	0,391	5170,260	5541,626	145,645	6,684	511,041	5,779	11,015	4,285	2017-09-14 13:27
160,500	54,969	0,399	0,392	5178,696	5448,970	134,176	7,060	510,948	5,852	10,631	4,209	2017-09-14 13:28
160,667	54,971	0,399	0,391	5172,021	5515,102	123,662	7,070	511,041	5,699	11,142	4,309	2017-09-14 13:28
160,833	54,967	0,399	0,391	5169,572	5509,403	140,006	6,805	511,041	6,220	11,117	4,305	2017-09-14 13:28
161,000	54,967	0,399	0,391	5159,153	5498,244	169,303	6,224	511,041	5,854	10,851	4,253	2017-09-14 13:28
161,167	54,964	0,398	0,391	5150,381	5504,285	186,547	5,758	510,947	6,053	10,582	4,200	2017-09-14 13:28
161,333	54,963	0,398	0,391	5150,847	5477,552	186,338	5,838	511,041	5,803	10,780	4,239	2017-09-14 13:28
161,500	54,959	0,398	0,391	5148,123	5486,996	183,840	6,183	511,041	5,620	11,013	4,284	2017-09-14 13:29
161,667	54,956	0,399	0,391	5141,091	5459,344	139,614	6,782	510,948	5,893	11,108	4,303	2017-09-14 13:29
161,833	54,959	0,398	0,391	5129,779	5470,938	107,600	7,375	511,042	5,776	10,788	4,240	2017-09-14 13:29
162,000	54,961	0,399	0,391	5115,882	5495,095	92,194	7,780	510,947	5,694	10,318	4,147	2017-09-14 13:29
162,167	54,960	0,398	0,391	5119,698	5497,170	84,450	7,991	511,041	5,736	10,956	4,273	2017-09-14 13:29
162,333	54,961	0,398	0,391	5117,370	5491,470	85,061	8,083	510,948	5,848	11,120	4,305	2017-09-14 13:29
162,500	54,961	0,399	0,392	5122,952	5518,371	76,299	8,309	510,947	5,735	10,724	4,228	2017-09-14 13:30
162,667	54,959	0,398	0,391	5126,758	5495,615	74,377	8,640	510,948	6,125	11,216	4,324	2017-09-14 13:30
162,833	54,959	0,399	0,391	5127,745	5541,838	72,501	8,544	510,947	5,841	11,011	4,284	2017-09-14 13:30
163,000	54,957	0,398	0,391	5128,469	5571,594	85,026	8,265	510,947	5,916	10,941	4,270	2017-09-14 13:30
163,167	54,957	0,399	0,391	5138,811	5534,403	98,288	7,671	510,947	5,629	10,733	4,229	2017-09-14 13:30
163,334	54,952	0,399	0,391	5146,917	5509,480	116,109	7,316	510,947	5,975	10,633	4,210	2017-09-14 13:30
163,500	54,951	0,399	0,391	5162,932	5509,857	130,347	7,251	510,947	5,506	10,971	4,276	2017-09-14 13:31
163,667	54,951	0,399	0,391	5161,409	5566,130	136,035	7,209	510,947	5,861	10,856	4,254	2017-09-14 13:31

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
163,834	0,219	0,487	0,525	0,150	0,273	61,316	20,230	22,765	21,525	21,324	21,115	20,914	21,701	20,430	69,275	57,065	66,439
164,000	0,219	0,483	0,525	0,148	0,278	61,323	20,239	22,771	21,510	21,326	21,115	20,914	21,701	20,430	69,291	57,072	66,441
164,167	0,218	0,481	0,525	0,145	0,260	61,309	20,228	22,789	21,505	21,321	21,133	20,914	21,693	20,424	69,261	57,069	66,451
164,334	0,220	0,478	0,525	0,142	0,267	61,281	20,213	22,783	21,505	21,318	21,128	20,922	21,715	20,424	69,292	57,066	66,460
164,500	0,221	0,472	0,525	0,150	0,277	61,276	20,238	22,771	21,518	21,324	21,128	20,920	21,707	20,430	69,177	57,062	66,481
164,667	0,224	0,460	0,525	0,143	0,283	61,280	20,181	22,741	21,497	21,320	21,155	20,920	21,709	20,427	69,076	57,058	66,487
164,834	0,225	0,449	0,525	0,149	0,282	61,300	20,182	22,748	21,503	21,316	21,138	20,921	21,718	20,434	69,034	57,065	66,491
165,000	0,225	0,453	0,525	0,153	0,272	61,228	20,181	22,758	21,501	21,322	21,127	20,928	21,714	20,430	69,076	57,066	66,477
165,167	0,223	0,461	0,525	0,145	0,274	61,175	20,178	22,739	21,502	21,320	21,148	20,917	21,718	20,432	69,061	57,070	66,443
165,334	0,222	0,468	0,525	0,143	0,282	61,223	20,168	22,724	21,493	21,312	21,136	20,923	21,710	20,426	69,027	57,068	66,400
165,500	0,225	0,473	0,525	0,144	0,265	61,210	20,151	22,755	21,496	21,322	21,111	20,916	21,705	20,428	68,993	57,068	66,369
165,667	0,229	0,477	0,525	0,144	0,272	61,175	20,085	22,748	21,499	21,308	21,172	20,937	21,706	20,432	69,004	57,062	66,359
165,833	0,227	0,475	0,525	0,146	0,269	61,194	20,095	22,756	21,483	21,312	21,123	20,939	21,730	20,435	69,026	57,054	66,358
166,000	0,226	0,466	0,525	0,148	0,277	61,184	20,117	22,736	21,493	21,313	21,131	20,928	21,715	20,431	68,965	57,046	66,351
166,167	0,225	0,469	0,525	0,148	0,277	61,165	20,094	22,725	21,493	21,312	21,172	20,913	21,712	20,430	69,066	57,045	66,319
166,333	0,224	0,477	0,525	0,141	0,269	61,103	20,123	22,748	21,483	21,302	21,135	20,914	21,706	20,431	68,914	57,044	66,305
166,500	0,225	0,477	0,525	0,144	0,273	61,124	20,127	22,753	21,480	21,321	21,162	20,910	21,722	20,431	68,910	57,038	66,307
166,667	0,223	0,471	0,525	0,148	0,268	61,136	20,145	22,750	21,480	21,309	21,162	20,915	21,723	20,431	68,813	57,034	66,303
166,833	0,222	0,461	0,525	0,145	0,284	61,090	20,137	22,782	21,487	21,312	21,137	20,921	21,723	20,434	68,849	57,035	66,292
167,000	0,219	0,452	0,525	0,147	0,273	61,150	20,123	22,777	21,492	21,303	21,166	20,921	21,741	20,440	68,941	57,027	66,266
167,167	0,222	0,454	0,525	0,150	0,275	61,142	20,120	22,758	21,473	21,306	21,170	20,926	21,717	20,438	68,923	57,030	66,262
167,333	0,223	0,461	0,525	0,147	0,272	61,159	20,118	22,777	21,478	21,304	21,163	20,935	21,737	20,440	68,938	57,027	66,260
167,500	0,228	0,455	0,525	0,141	0,276	61,091	20,001	22,774	21,467	21,311	21,150	20,921	21,724	20,436	68,886	57,021	66,261
167,667	0,232	0,446	0,525	0,148	0,281	61,101	19,967	22,779	21,472	21,283	21,175	20,907	21,716	20,432	68,979	57,017	66,265
167,833	0,236	0,445	0,525	0,142	0,277	61,123	20,039	22,767	21,480	21,312	21,148	20,924	21,713	20,436	68,840	57,011	66,264
168,000	0,237	0,446	0,525	0,145	0,274	61,152	20,044	22,779	21,458	21,287	21,133	20,905	21,720	20,430	68,898	57,011	66,268
168,167	0,238	0,453	0,525	0,146	0,273	61,109	20,068	22,800	21,469	21,290	21,184	20,907	21,723	20,431	68,911	57,009	66,273
168,333	0,231	0,459	0,525	0,143	0,272	61,058	20,078	22,775	21,453	21,292	21,153	20,910	21,703	20,431	68,954	57,007	66,281
168,500	0,230	0,463	0,525	0,138	0,274	61,047	20,081	22,780	21,454	21,298	21,148	20,914	21,719	20,435	68,853	57,010	66,254

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
163,834	54,949	0,399	0,391	5146,001	5570,131	125,129	7,175	510,947	6,001	10,931	4,268	2017-09-14 13:31
164,000	54,949	0,398	0,391	5146,375	5567,530	124,312	7,068	510,947	5,923	11,119	4,305	2017-09-14 13:31
164,167	54,948	0,398	0,391	5150,070	5555,804	121,578	7,030	510,947	5,808	10,396	4,163	2017-09-14 13:31
164,334	54,948	0,399	0,391	5157,943	5577,496	135,000	6,957	510,947	5,668	10,691	4,221	2017-09-14 13:31
164,500	54,948	0,398	0,391	5166,688	5516,758	140,055	6,790	510,947	6,006	11,067	4,295	2017-09-14 13:32
164,667	54,947	0,398	0,391	5171,457	5474,559	155,780	6,492	510,947	5,739	11,317	4,343	2017-09-14 13:32
164,834	54,947	0,398	0,391	5172,425	5452,441	165,405	6,215	510,947	5,961	11,295	4,339	2017-09-14 13:32
165,000	54,945	0,398	0,391	5165,242	5475,649	164,150	6,325	510,947	6,108	10,885	4,259	2017-09-14 13:32
165,167	54,944	0,398	0,391	5152,718	5463,113	150,246	6,514	510,948	5,783	10,947	4,271	2017-09-14 13:32
165,334	54,939	0,398	0,391	5130,512	5448,689	143,380	6,707	510,947	5,722	11,283	4,336	2017-09-14 13:32
165,500	54,940	0,398	0,391	5115,507	5428,583	166,280	6,833	510,948	5,776	10,601	4,203	2017-09-14 13:33
165,667	54,939	0,398	0,391	5118,504	5438,476	186,762	6,916	510,948	5,752	10,893	4,261	2017-09-14 13:33
165,833	54,937	0,398	0,391	5119,830	5455,924	174,643	6,865	510,854	5,834	10,755	4,234	2017-09-14 13:33
166,000	54,940	0,398	0,391	5115,091	5432,261	172,729	6,659	510,854	5,933	11,089	4,299	2017-09-14 13:33
166,167	54,939	0,398	0,391	5098,727	5478,111	166,909	6,715	510,854	5,919	11,089	4,299	2017-09-14 13:33
166,333	54,939	0,398	0,391	5094,841	5414,046	159,297	6,914	510,854	5,656	10,743	4,232	2017-09-14 13:33
166,500	54,939	0,398	0,391	5095,751	5412,440	166,853	6,922	510,854	5,751	10,926	4,267	2017-09-14 13:34
166,667	54,937	0,398	0,392	5099,166	5368,921	152,619	6,766	510,854	5,913	10,735	4,230	2017-09-14 13:34
166,833	54,940	0,398	0,391	5086,037	5381,013	143,825	6,530	510,854	5,786	11,365	4,352	2017-09-14 13:34
167,000	54,936	0,398	0,391	5075,543	5426,460	126,789	6,300	510,854	5,870	10,917	4,266	2017-09-14 13:34
167,167	54,931	0,398	0,391	5076,655	5419,470	147,122	6,353	510,854	6,016	11,002	4,282	2017-09-14 13:34
167,333	54,928	0,398	0,391	5075,325	5420,192	153,202	6,515	510,854	5,890	10,887	4,260	2017-09-14 13:34
167,500	54,929	0,398	0,391	5081,579	5401,554	180,188	6,378	510,854	5,648	11,049	4,291	2017-09-14 13:35
167,667	54,927	0,398	0,391	5079,164	5450,265	207,800	6,161	510,854	5,905	11,239	4,328	2017-09-14 13:35
167,833	54,927	0,398	0,391	5081,837	5392,799	232,861	6,123	510,854	5,692	11,066	4,294	2017-09-14 13:35
168,000	54,922	0,398	0,391	5081,047	5414,736	238,153	6,160	510,947	5,805	10,966	4,275	2017-09-14 13:35
168,167	54,927	0,398	0,391	5086,065	5415,681	244,442	6,314	510,854	5,852	10,901	4,262	2017-09-14 13:35
168,333	54,924	0,398	0,391	5090,900	5447,728	204,239	6,473	510,854	5,727	10,860	4,254	2017-09-14 13:35
168,500	54,932	0,398	0,391	5073,250	5399,270	197,352	6,564	510,854	5,538	10,963	4,274	2017-09-14 13:36

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
168,667	0,225	0,466	0,525	0,140	0,282	61,043	20,057	22,795	21,462	21,296	21,179	20,919	21,724	20,432	68,911	57,009	66,229
168,833	0,219	0,474	0,525	0,146	0,272	60,999	20,068	22,806	21,461	21,282	21,179	20,911	21,722	20,435	68,906	57,010	66,206
169,000	0,221	0,470	0,525	0,141	0,268	61,027	20,061	22,808	21,463	21,299	21,149	20,910	21,723	20,431	68,844	57,007	66,202
169,167	0,227	0,464	0,525	0,137	0,268	61,015	20,050	22,808	21,465	21,296	21,169	20,907	21,735	20,434	68,712	57,006	66,199
169,333	0,228	0,457	0,525	0,141	0,269	61,055	20,087	22,804	21,446	21,285	21,175	20,919	21,727	20,432	68,777	57,003	66,203
169,500	0,227	0,450	0,525	0,140	0,273	61,028	20,085	22,806	21,439	21,291	21,167	20,907	21,719	20,432	68,669	57,005	66,188
169,667	0,231	0,437	0,525	0,148	0,274	60,980	20,064	22,806	21,442	21,285	21,168	20,902	21,724	20,431	68,868	57,017	66,168
169,834	0,237	0,422	0,525	0,149	0,273	60,989	20,061	22,802	21,450	21,283	21,167	20,904	21,729	20,432	68,713	57,030	66,159
170,000	0,234	0,417	0,525	0,148	0,280	60,948	20,060	22,761	21,439	21,285	21,170	20,909	21,724	20,435	68,445	57,027	66,133
170,167	0,231	0,428	0,525	0,141	0,274	60,961	19,999	22,762	21,435	21,291	21,193	20,910	21,728	20,435	68,600	57,040	66,141
170,334	0,231	0,454	0,525	0,136	0,279	60,942	20,048	22,774	21,452	21,294	21,191	20,910	21,749	20,443	68,681	57,050	66,136
170,500	0,221	0,492	0,525	0,148	0,276	60,971	20,050	22,720	21,439	21,286	21,172	20,923	21,731	20,436	68,694	57,046	66,079
170,667	0,216	0,529	0,525	0,143	0,271	60,926	20,027	22,718	21,428	21,274	21,159	20,918	21,741	20,436	68,740	57,050	66,029
170,834	0,216	0,548	0,525	0,152	0,271	60,895	20,018	22,728	21,423	21,273	21,193	20,894	21,724	20,431	68,697	57,049	66,020
171,000	0,216	0,537	0,524	0,141	0,270	60,922	20,056	22,726	21,411	21,290	21,186	20,905	21,736	20,436	68,790	57,042	66,028
171,167	0,214	0,517	0,525	0,149	0,266	60,928	20,027	22,728	21,406	21,260	21,163	20,898	21,737	20,432	68,816	57,045	66,048
171,334	0,215	0,510	0,525	0,142	0,271	60,940	20,035	22,732	21,423	21,278	21,193	20,887	21,728	20,438	68,742	57,041	66,071
171,500	0,218	0,502	0,524	0,143	0,268	61,008	20,027	22,729	21,418	21,274	21,197	20,900	21,733	20,435	68,723	57,045	66,082
171,667	0,221	0,497	0,525	0,144	0,281	60,989	20,017	22,729	21,423	21,270	21,184	20,894	21,732	20,434	68,822	57,057	66,090
171,834	0,221	0,490	0,525	0,147	0,269	60,990	20,029	22,735	21,411	21,273	21,171	20,889	21,733	20,438	68,711	57,065	66,091
172,000	0,223	0,483	0,525	0,141	0,272	60,889	20,050	22,715	21,427	21,272	21,203	20,889	21,736	20,438	68,755	57,072	66,103
172,167	0,225	0,476	0,524	0,144	0,273	60,870	20,048	22,749	21,414	21,269	21,184	20,900	21,726	20,438	68,657	57,074	66,105
172,334	0,224	0,477	0,524	0,144	0,270	60,837	20,035	22,753	21,414	21,280	21,182	20,904	21,748	20,440	68,729	57,076	66,115
172,500	0,224	0,473	0,524	0,141	0,264	60,871	20,020	22,761	21,410	21,273	21,212	20,898	21,722	20,434	68,587	57,080	66,099
172,667	0,222	0,470	0,524	0,142	0,273	60,889	20,046	22,744	21,427	21,268	21,189	20,892	21,722	20,436	68,650	57,085	66,068
172,833	0,221	0,471	0,524	0,139	0,281	60,888	20,030	22,710	21,407	21,262	21,189	20,893	21,732	20,435	68,731	57,089	66,057
173,000	0,220	0,472	0,524	0,141	0,274	60,908	20,033	22,730	21,407	21,272	21,213	20,904	21,730	20,436	68,777	57,092	66,056
173,167	0,221	0,473	0,524	0,149	0,271	60,866	20,044	22,736	21,414	21,262	21,189	20,875	21,740	20,434	68,694	57,099	66,047
173,333	0,223	0,464	0,525	0,144	0,279	60,806	20,041	22,731	21,400	21,263	21,169	20,892	21,723	20,438	68,671	57,100	66,062

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
168,667	54,955	0,398	0,391	5052,653	5419,041	162,674	6,660	510,854	5,608	11,262	4,332	2017-09-14 13:36
168,833	54,975	0,398	0,391	5024,887	5414,835	128,002	6,847	510,854	5,841	10,884	4,259	2017-09-14 13:36
169,000	54,987	0,398	0,391	5023,651	5385,635	141,789	6,762	510,854	5,655	10,711	4,225	2017-09-14 13:36
169,167	54,999	0,398	0,391	5017,013	5335,226	178,976	6,612	510,853	5,499	10,706	4,224	2017-09-14 13:36
169,333	55,004	0,398	0,392	5024,206	5363,170	181,523	6,434	510,854	5,655	10,765	4,236	2017-09-14 13:36
169,500	55,010	0,398	0,391	5011,411	5315,368	178,615	6,240	510,854	5,594	10,933	4,269	2017-09-14 13:37
169,667	55,012	0,398	0,391	4997,911	5396,561	199,538	5,922	510,854	5,930	10,959	4,274	2017-09-14 13:37
169,834	55,012	0,398	0,391	4995,845	5319,252	237,329	5,545	510,854	5,960	10,929	4,268	2017-09-14 13:37
170,000	55,015	0,398	0,391	4983,910	5205,100	220,270	5,425	510,854	5,930	11,207	4,322	2017-09-14 13:37
170,167	55,015	0,398	0,391	4983,016	5264,775	201,883	5,699	510,854	5,638	10,965	4,275	2017-09-14 13:37
170,334	55,023	0,398	0,391	4980,190	5299,156	199,159	6,359	510,854	5,440	11,158	4,312	2017-09-14 13:37
170,500	55,034	0,397	0,391	4944,888	5299,444	141,723	7,301	510,854	5,906	11,054	4,292	2017-09-14 13:38
170,667	55,046	0,398	0,391	4914,263	5318,759	106,884	8,223	510,854	5,719	10,834	4,249	2017-09-14 13:38
170,834	55,056	0,398	0,391	4905,716	5301,920	106,043	8,703	510,854	6,090	10,848	4,252	2017-09-14 13:38
171,000	55,062	0,398	0,391	4908,814	5346,784	106,182	8,435	510,761	5,654	10,795	4,242	2017-09-14 13:38
171,167	55,067	0,398	0,391	4920,218	5367,176	93,678	7,929	510,854	5,940	10,652	4,213	2017-09-14 13:38
171,334	55,075	0,398	0,391	4926,584	5335,757	98,702	7,753	510,854	5,665	10,824	4,247	2017-09-14 13:38
171,500	55,074	0,398	0,391	4928,323	5316,533	117,989	7,554	510,761	5,707	10,701	4,223	2017-09-14 13:39
171,667	55,076	0,398	0,391	4933,138	5356,410	139,162	7,428	510,854	5,741	11,240	4,328	2017-09-14 13:39
171,834	55,078	0,398	0,391	4931,242	5299,039	140,799	7,259	510,854	5,873	10,769	4,237	2017-09-14 13:39
172,000	55,079	0,398	0,391	4940,367	5323,909	151,642	7,087	510,854	5,657	10,877	4,258	2017-09-14 13:39
172,167	55,083	0,398	0,391	4936,457	5281,653	163,490	6,889	510,761	5,745	10,926	4,267	2017-09-14 13:39
172,334	55,086	0,398	0,391	4937,996	5307,106	158,039	6,920	510,761	5,744	10,815	4,246	2017-09-14 13:39
172,500	55,101	0,398	0,391	4927,307	5241,004	156,187	6,833	510,761	5,629	10,547	4,193	2017-09-14 13:40
172,667	55,103	0,398	0,391	4912,701	5270,387	146,952	6,750	510,761	5,693	10,902	4,263	2017-09-14 13:40
172,833	55,110	0,399	0,391	4900,412	5312,255	139,857	6,767	510,761	5,547	11,243	4,329	2017-09-14 13:40
173,000	55,117	0,399	0,391	4902,824	5329,993	131,011	6,792	510,761	5,629	10,959	4,274	2017-09-14 13:40
173,167	55,123	0,398	0,391	4890,348	5283,147	140,944	6,829	510,761	5,953	10,836	4,250	2017-09-14 13:40
173,333	55,125	0,398	0,391	4898,760	5268,007	149,902	6,610	510,854	5,763	11,154	4,312	2017-09-14 13:40

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
173,500	0,226	0,453	0,524	0,145	0,273	60,742	20,014	22,690	21,411	21,266	21,197	20,880	21,733	20,436	68,658	57,105	66,084
173,667	0,231	0,441	0,524	0,148	0,264	60,746	20,026	22,692	21,405	21,260	21,189	20,891	21,737	20,436	68,588	57,100	66,088
173,833	0,236	0,430	0,524	0,146	0,269	60,746	20,013	22,705	21,407	21,264	21,175	20,893	21,733	20,436	68,375	57,111	66,071
174,000	0,235	0,424	0,524	0,140	0,277	60,709	19,965	22,701	21,402	21,252	21,219	20,900	21,737	20,435	68,600	57,115	66,037
174,167	0,232	0,426	0,524	0,146	0,272	60,621	19,959	22,693	21,396	21,259	21,197	20,885	21,732	20,434	68,680	57,120	66,016
174,333	0,234	0,418	0,524	0,142	0,272	60,622	19,993	22,718	21,384	21,253	21,179	20,888	21,728	20,436	68,767	57,115	65,997
174,500	0,238	0,409	0,524	0,153	0,273	60,609	20,003	22,710	21,404	21,256	21,220	20,888	21,741	20,440	68,636	57,103	65,990
174,667	0,238	0,406	0,524	0,152	0,273	60,606	19,984	22,702	21,392	21,263	21,214	20,887	21,727	20,439	68,636	57,092	66,002
174,833	0,242	0,409	0,524	0,144	0,281	60,620	19,973	22,719	21,397	21,260	21,183	20,904	21,745	20,441	68,630	57,087	66,014
175,000	0,249	0,415	0,524	0,141	0,280	60,607	19,969	22,705	21,410	21,257	21,213	20,872	21,732	20,436	68,616	57,076	66,017
175,167	0,239	0,426	0,524	0,143	0,260	60,635	19,993	22,693	21,392	21,255	21,214	20,875	21,747	20,436	68,596	57,078	66,014
175,333	0,236	0,440	0,524	0,139	0,274	60,619	20,003	22,720	21,394	21,251	21,210	20,878	21,743	20,436	68,593	57,070	66,002
175,500	0,233	0,457	0,524	0,137	0,279	60,601	20,001	22,690	21,401	21,260	21,184	20,872	21,736	20,438	68,487	57,081	66,002
175,667	0,234	0,470	0,524	0,138	0,264	60,603	19,995	22,709	21,384	21,259	21,208	20,876	21,731	20,434	68,386	57,072	66,000
175,833	0,242	0,483	0,524	0,146	0,274	60,599	19,978	22,700	21,383	21,238	21,191	20,891	21,744	20,435	68,585	57,078	65,977
176,000	0,236	0,495	0,524	0,142	0,276	60,595	19,950	22,685	21,389	21,245	21,208	20,897	21,724	20,435	68,587	57,078	65,954
176,167	0,230	0,512	0,524	0,139	0,278	60,652	19,966	22,717	21,383	21,260	21,221	20,891	21,730	20,439	68,544	57,072	65,924
176,333	0,242	0,513	0,524	0,139	0,281	60,603	20,007	22,726	21,388	21,244	21,191	20,887	21,749	20,436	68,561	57,062	65,916
176,500	0,241	0,502	0,524	0,141	0,278	60,594	20,012	22,744	21,384	21,252	21,231	20,892	21,741	20,439	68,596	57,058	65,931
176,667	0,236	0,490	0,524	0,145	0,274	60,576	20,030	22,726	21,381	21,259	21,197	20,881	21,736	20,436	68,587	57,049	65,928
176,834	0,233	0,480	0,524	0,142	0,271	60,564	20,024	22,733	21,373	21,231	21,225	20,876	21,741	20,438	68,526	57,044	65,915
177,000	0,226	0,481	0,524	0,135	0,265	60,598	20,027	22,719	21,392	21,247	21,206	20,885	21,737	20,439	68,591	57,030	65,907
177,167	0,225	0,502	0,524	0,145	0,269	60,566	19,984	22,698	21,381	21,235	21,210	20,887	21,736	20,438	68,562	57,025	65,907
177,334	0,221	0,515	0,524	0,151	0,274	60,559	20,016	22,684	21,369	21,227	21,199	20,876	21,741	20,436	68,467	57,018	65,908
177,500	0,223	0,516	0,524	0,143	0,262	60,530	20,016	22,684	21,363	21,244	21,232	20,881	21,732	20,436	68,518	57,017	65,908
177,667	0,218	0,524	0,523	0,144	0,281	60,537	19,946	22,698	21,388	21,253	21,205	20,879	21,743	20,438	68,612	57,017	65,907
177,834	0,218	0,533	0,524	0,140	0,272	60,493	19,868	22,700	21,377	21,249	21,208	20,897	21,728	20,439	68,635	57,017	65,909
178,000	0,218	0,533	0,523	0,144	0,269	60,501	19,931	22,680	21,370	21,236	21,227	20,875	21,733	20,438	68,546	57,015	65,899
178,167	0,218	0,518	0,523	0,149	0,271	60,470	19,941	22,655	21,369	21,215	21,214	20,871	21,733	20,434	68,499	57,014	65,907

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
173,500	55,123	0,398	0,391	4910,123	5263,206	169,807	6,314	510,761	5,810	10,936	4,269	2017-09-14 13:41
173,667	55,110	0,398	0,391	4919,844	5234,831	199,548	6,036	510,761	5,914	10,579	4,199	2017-09-14 13:41
173,833	55,091	0,398	0,392	4926,010	5136,067	234,769	5,761	510,761	5,847	10,745	4,232	2017-09-14 13:41
174,000	55,078	0,398	0,391	4908,693	5237,360	223,498	5,609	510,760	5,614	11,062	4,294	2017-09-14 13:41
174,167	55,071	0,398	0,391	4902,341	5267,368	205,326	5,644	510,761	5,843	10,869	4,256	2017-09-14 13:41
174,333	55,068	0,398	0,391	4896,379	5307,827	220,093	5,449	510,761	5,685	10,897	4,262	2017-09-14 13:41
174,500	55,068	0,398	0,391	4892,074	5254,904	247,582	5,235	510,761	6,100	10,925	4,267	2017-09-14 13:42
174,667	55,070	0,398	0,391	4895,315	5261,456	248,024	5,149	510,761	6,064	10,909	4,264	2017-09-14 13:42
174,833	55,075	0,398	0,391	4901,204	5259,739	267,498	5,225	510,761	5,745	11,222	4,325	2017-09-14 13:42
175,000	55,076	0,398	0,391	4898,948	5259,624	315,915	5,371	510,761	5,648	11,215	4,323	2017-09-14 13:42
175,167	55,078	0,398	0,391	4892,086	5244,831	248,854	5,650	510,761	5,734	10,419	4,167	2017-09-14 13:42
175,333	55,074	0,398	0,391	4890,342	5250,827	231,437	6,009	510,761	5,546	10,953	4,273	2017-09-14 13:42
175,500	55,071	0,399	0,391	4894,720	5203,830	216,924	6,420	510,761	5,500	11,163	4,313	2017-09-14 13:43
175,667	55,063	0,398	0,392	4904,736	5159,347	218,025	6,758	510,761	5,513	10,547	4,193	2017-09-14 13:43
175,833	55,048	0,399	0,391	4889,541	5249,949	272,098	7,081	510,761	5,857	10,974	4,277	2017-09-14 13:43
176,000	55,039	0,398	0,391	4889,807	5244,060	234,828	7,366	510,761	5,683	11,041	4,290	2017-09-14 13:43
176,167	55,030	0,399	0,391	4880,439	5232,867	196,227	7,803	510,761	5,561	11,118	4,305	2017-09-14 13:43
176,333	55,023	0,398	0,391	4876,983	5241,399	270,427	7,823	510,761	5,577	11,227	4,326	2017-09-14 13:43
176,500	55,023	0,398	0,391	4883,382	5259,458	265,459	7,544	510,761	5,636	11,112	4,303	2017-09-14 13:44
176,667	55,024	0,398	0,391	4882,593	5260,849	231,464	7,245	510,761	5,802	10,979	4,278	2017-09-14 13:44
176,834	55,024	0,399	0,391	4875,468	5237,810	213,310	6,995	510,761	5,685	10,859	4,254	2017-09-14 13:44
177,000	55,026	0,398	0,391	4873,121	5270,505	168,962	7,025	510,761	5,408	10,605	4,204	2017-09-14 13:44
177,167	55,024	0,398	0,391	4871,054	5254,893	162,278	7,538	510,759	5,810	10,777	4,238	2017-09-14 13:44
177,334	55,026	0,398	0,390	4859,555	5214,666	138,603	7,871	510,761	6,044	10,948	4,272	2017-09-14 13:44
177,500	55,012	0,398	0,390	4873,448	5236,992	150,468	7,906	510,761	5,703	10,488	4,181	2017-09-14 13:45
177,667	55,007	0,398	0,391	4879,675	5282,934	119,774	8,090	510,621	5,744	11,237	4,328	2017-09-14 13:45
177,834	54,999	0,398	0,391	4885,600	5295,300	117,551	8,337	510,761	5,602	10,867	4,256	2017-09-14 13:45
178,000	54,993	0,398	0,391	4880,807	5259,430	118,409	8,314	510,620	5,776	10,759	4,235	2017-09-14 13:45
178,167	54,987	0,398	0,391	4888,711	5231,766	119,642	7,943	510,620	5,958	10,833	4,249	2017-09-14 13:45

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
178,334	0,225	0,495	0,524	0,149	0,272	60,490	19,916	22,663	21,366	21,227	21,247	20,878	21,737	20,436	68,550	57,014	65,931
178,500	0,228	0,477	0,523	0,147	0,269	60,504	19,937	22,658	21,353	21,212	21,213	20,870	21,733	20,436	68,521	57,013	65,925
178,667	0,224	0,474	0,523	0,144	0,270	60,525	19,950	22,647	21,349	21,210	21,205	20,863	21,722	20,436	68,581	57,005	65,921
178,834	0,220	0,478	0,523	0,147	0,276	60,552	19,914	22,637	21,342	21,206	21,234	20,867	21,733	20,436	68,601	57,014	65,923
179,000	0,219	0,486	0,523	0,137	0,274	60,559	19,879	22,642	21,328	21,200	21,208	20,868	21,719	20,435	68,548	57,011	65,842
179,167	0,219	0,498	0,523	0,139	0,263	60,532	19,898	22,664	21,336	21,204	21,236	20,875	21,733	20,436	68,585	56,987	65,729
179,334	0,218	0,508	0,523	0,143	0,272	60,534	19,943	22,658	21,333	21,212	21,219	20,868	21,735	20,438	68,568	56,889	65,652
179,500	0,218	0,516	0,523	0,153	0,274	60,526	19,933	22,645	21,345	21,208	21,213	20,872	21,740	20,439	68,632	56,791	65,597
179,667	0,219	0,519	0,523	0,150	0,268	60,546	19,954	22,661	21,340	21,216	21,251	20,868	21,736	20,439	68,673	56,725	65,564
179,833	0,221	0,503	0,523	0,147	0,277	60,513	19,990	22,666	21,341	21,208	21,220	20,868	21,731	20,439	68,549	56,684	65,555
180,000	0,231	0,484	0,523	0,140	0,283	60,491	20,031	22,671	21,337	21,199	21,216	20,868	21,748	20,440	68,641	56,643	65,558
180,167	0,239	0,476	0,523	0,146	0,274	60,460	20,029	22,689	21,342	21,195	21,251	20,855	21,748	20,438	68,654	56,625	65,552
180,333	0,243	0,466	0,523	0,148	0,276	60,401	20,000	22,683	21,336	21,201	21,261	20,858	21,740	20,438	68,502	56,602	65,554
180,500	0,241	0,463	0,523	0,145	0,281	60,417	19,983	22,724	21,328	21,193	21,227	20,859	21,747	20,443	68,686	56,583	65,548
180,667	0,237	0,463	0,523	0,145	0,270	60,422	19,983	22,713	21,307	21,193	21,239	20,859	21,739	20,440	68,651	56,575	65,537
180,833	0,231	0,466	0,523	0,142	0,278	60,458	19,977	22,702	21,319	21,190	21,242	20,858	21,741	20,443	68,694	56,564	65,528
181,000	0,229	0,467	0,523	0,139	0,269	60,478	19,979	22,726	21,347	21,187	21,230	20,858	21,736	20,444	68,671	56,555	65,536
181,167	0,227	0,462	0,523	0,142	0,278	60,468	19,987	22,710	21,321	21,182	21,244	20,859	21,731	20,439	68,606	56,549	65,548
181,333	0,230	0,465	0,523	0,143	0,273	60,463	19,967	22,733	21,319	21,195	21,247	20,855	21,745	20,438	68,517	56,541	65,558
181,500	0,225	0,469	0,523	0,140	0,268	60,443	19,960	22,741	21,340	21,197	21,217	20,862	21,743	20,445	68,721	56,529	65,570
181,667	0,225	0,468	0,523	0,140	0,278	60,411	19,906	22,741	21,325	21,214	21,246	20,857	21,741	20,441	68,643	56,527	65,552
181,833	0,225	0,462	0,523	0,147	0,263	60,398	19,928	22,771	21,320	21,200	21,231	20,854	21,736	20,441	68,498	56,527	65,544
182,000	0,222	0,464	0,523	0,142	0,273	60,364	19,914	22,758	21,344	21,207	21,227	20,857	21,751	20,444	68,781	56,531	65,550
182,167	0,221	0,481	0,523	0,142	0,275	60,403	19,919	22,757	21,340	21,194	21,259	20,865	21,744	20,444	68,825	56,529	65,547
182,333	0,219	0,494	0,523	0,147	0,283	60,410	19,944	22,750	21,320	21,213	21,243	20,858	21,726	20,439	68,628	56,516	65,528
182,500	0,218	0,501	0,523	0,145	0,282	60,431	19,947	22,758	21,319	21,192	21,216	20,867	21,731	20,440	68,809	56,510	65,540
182,667	0,219	0,501	0,523	0,139	0,272	60,440	19,880	22,751	21,328	21,201	21,267	20,848	21,740	20,449	68,739	56,502	65,577
182,833	0,217	0,497	0,523	0,136	0,271	60,425	19,917	22,728	21,328	21,187	21,231	20,852	21,743	20,441	68,864	56,494	65,583
183,000	0,220	0,496	0,523	0,146	0,268	60,425	19,932	22,719	21,327	21,203	21,243	20,867	21,745	20,443	68,875	56,492	65,593

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
178,334	54,981	0,399	0,391	4902,296	5262,712	164,936	7,375	510,746	5,952	10,896	4,261	2017-09-14 13:45
178,500	54,980	0,398	0,391	4898,596	5243,825	180,894	6,922	510,640	5,899	10,754	4,234	2017-09-14 13:46
178,667	54,981	0,398	0,391	4902,823	5280,347	156,670	6,843	510,620	5,745	10,818	4,246	2017-09-14 13:46
178,834	54,979	0,377	0,391	4898,300	5003,191	135,344	6,946	510,620	5,880	11,034	4,288	2017-09-14 13:46
179,000	54,981	0,371	0,391	4862,166	4894,488	128,256	7,148	510,620	5,491	10,952	4,272	2017-09-14 13:46
179,167	54,977	0,370	0,391	4810,443	4908,866	123,892	7,443	510,621	5,564	10,530	4,189	2017-09-14 13:46
179,334	54,976	0,371	0,391	4775,900	4954,699	119,684	7,708	510,620	5,720	10,871	4,257	2017-09-14 13:46
179,500	54,972	0,370	0,391	4757,310	5016,103	117,756	7,906	510,620	6,120	10,940	4,270	2017-09-14 13:47
179,667	54,965	0,369	0,391	4742,286	5048,956	129,711	7,984	510,621	6,009	10,712	4,225	2017-09-14 13:47
179,833	54,961	0,369	0,391	4743,416	5018,927	138,613	7,570	510,621	5,900	11,096	4,300	2017-09-14 13:47
180,000	54,952	0,370	0,391	4748,360	5077,697	202,887	7,109	510,621	5,603	11,334	4,346	2017-09-14 13:47
180,167	54,947	0,369	0,390	4739,913	5077,829	253,861	6,890	510,621	5,853	10,967	4,275	2017-09-14 13:47
180,333	54,941	0,368	0,390	4740,323	5019,539	277,362	6,656	510,620	5,925	11,051	4,292	2017-09-14 13:47
180,500	54,939	0,369	0,391	4747,857	5113,422	262,373	6,579	510,621	5,783	11,243	4,329	2017-09-14 13:48
180,667	54,940	0,369	0,391	4742,130	5098,289	236,426	6,578	510,621	5,807	10,784	4,239	2017-09-14 13:48
180,833	54,939	0,369	0,391	4739,575	5123,969	202,710	6,649	510,621	5,691	11,110	4,303	2017-09-14 13:48
181,000	54,937	0,369	0,391	4746,096	5116,572	191,793	6,669	510,621	5,550	10,773	4,237	2017-09-14 13:48
181,167	54,932	0,369	0,390	4747,505	5090,628	179,434	6,549	510,621	5,698	11,125	4,306	2017-09-14 13:48
181,333	54,928	0,368	0,390	4754,589	5050,062	196,623	6,635	510,621	5,729	10,939	4,270	2017-09-14 13:48
181,500	54,922	0,369	0,391	4767,047	5148,458	165,606	6,715	510,621	5,599	10,721	4,227	2017-09-14 13:49
181,667	54,916	0,369	0,390	4757,299	5116,251	161,357	6,695	510,620	5,601	11,123	4,306	2017-09-14 13:49
181,833	54,908	0,369	0,391	4758,355	5055,968	167,163	6,543	510,621	5,863	10,516	4,187	2017-09-14 13:49
182,000	54,904	0,369	0,391	4764,588	5168,278	146,729	6,594	510,620	5,670	10,923	4,267	2017-09-14 13:49
182,167	54,897	0,369	0,390	4762,052	5190,560	136,869	7,013	510,527	5,667	11,012	4,284	2017-09-14 13:49
182,333	54,893	0,369	0,391	4760,043	5112,328	126,376	7,354	510,571	5,872	11,328	4,345	2017-09-14 13:49
182,500	54,893	0,369	0,391	4768,257	5191,363	122,391	7,519	510,620	5,791	11,288	4,337	2017-09-14 13:50
182,667	54,889	0,369	0,391	4783,577	5164,674	125,122	7,532	510,527	5,570	10,872	4,257	2017-09-14 13:50
182,833	54,889	0,368	0,391	4787,847	5217,169	112,551	7,419	510,527	5,444	10,857	4,254	2017-09-14 13:50
183,000	54,889	0,369	0,391	4793,139	5225,828	133,620	7,392	510,527	5,848	10,733	4,230	2017-09-14 13:50

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
183,167	0,223	0,495	0,523	0,144	0,275	60,429	19,960	22,715	21,340	21,199	21,263	20,856	21,751	20,449	68,702	56,492	65,612
183,334	0,220	0,491	0,523	0,148	0,272	60,415	19,928	22,705	21,332	21,211	21,234	20,862	21,749	20,445	68,851	56,490	65,610
183,500	0,225	0,479	0,523	0,143	0,272	60,417	19,967	22,692	21,329	21,188	21,274	20,848	21,732	20,443	68,604	56,488	65,634
183,667	0,228	0,457	0,523	0,143	0,271	60,397	19,986	22,691	21,323	21,196	21,255	20,870	21,738	20,452	68,698	56,489	65,649
183,834	0,231	0,449	0,523	0,148	0,277	60,456	19,983	22,683	21,323	21,205	21,240	20,858	21,747	20,445	68,806	56,488	65,644
184,000	0,231	0,455	0,523	0,142	0,274	60,439	20,013	22,688	21,316	21,195	21,276	20,865	21,747	20,447	68,887	56,482	65,640
184,167	0,232	0,455	0,523	0,147	0,274	60,401	20,056	22,644	21,319	21,203	21,235	20,853	21,736	20,443	68,964	56,484	65,605
184,334	0,226	0,458	0,523	0,141	0,275	60,411	20,089	22,646	21,319	21,195	21,250	20,872	21,753	20,445	68,755	56,482	65,602
184,500	0,225	0,474	0,523	0,133	0,283	60,429	20,042	22,653	21,306	21,182	21,284	20,857	21,739	20,447	68,727	56,488	65,625
184,667	0,225	0,500	0,522	0,144	0,286	60,411	20,022	22,692	21,310	21,199	21,267	20,841	21,753	20,441	68,808	56,481	65,659
184,834	0,219	0,506	0,523	0,146	0,276	60,414	20,013	22,689	21,303	21,200	21,271	20,858	21,748	20,449	68,861	56,486	65,684
185,000	0,220	0,500	0,523	0,133	0,276	60,473	19,990	22,666	21,314	21,177	21,267	20,855	21,736	20,443	68,736	56,478	65,667
185,167	0,218	0,499	0,523	0,141	0,278	60,422	19,991	22,655	21,294	21,162	21,263	20,854	21,735	20,445	68,836	56,490	65,633
185,334	0,218	0,493	0,523	0,143	0,273	60,368	19,981	22,666	21,307	21,180	21,260	20,846	21,736	20,443	68,890	56,493	65,640
185,500	0,217	0,488	0,523	0,143	0,281	60,400	19,994	22,645	21,314	21,194	21,272	20,856	21,736	20,447	68,917	56,494	65,653
185,667	0,221	0,493	0,523	0,147	0,269	60,397	19,944	22,658	21,310	21,187	21,247	20,856	21,743	20,448	68,810	56,489	65,653
185,834	0,219	0,495	0,522	0,143	0,280	60,379	19,938	22,682	21,322	21,185	21,285	20,845	21,740	20,451	68,759	56,490	65,651
186,000	0,217	0,492	0,523	0,140	0,274	60,347	19,966	22,686	21,307	21,185	21,290	20,849	21,738	20,451	68,864	56,482	65,678
186,167	0,226	0,484	0,523	0,140	0,272	60,307	19,951	22,683	21,303	21,179	21,246	20,844	21,739	20,443	68,763	56,480	65,688
186,333	0,229	0,471	0,523	0,138	0,279	60,279	19,964	22,706	21,297	21,190	21,278	20,841	21,740	20,444	68,822	56,482	65,679
186,500	0,228	0,459	0,523	0,141	0,278	60,265	19,966	22,717	21,300	21,186	21,291	20,852	21,749	20,441	68,865	56,480	65,664
186,667	0,220	0,451	0,522	0,145	0,263	60,265	19,962	22,740	21,293	21,179	21,269	20,831	21,735	20,445	68,744	56,476	65,657
186,833	0,222	0,451	0,523	0,141	0,273	60,258	19,964	22,724	21,302	21,184	21,246	20,845	21,736	20,445	68,688	56,482	65,648
187,000	0,225	0,452	0,522	0,138	0,281	60,235	19,969	22,739	21,306	21,182	21,284	20,845	21,743	20,443	68,816	56,488	65,660
187,167	0,228	0,448	0,523	0,141	0,284	60,264	19,977	22,715	21,299	21,181	21,282	20,853	21,745	20,447	68,793	56,489	65,668
187,333	0,226	0,456	0,523	0,138	0,276	60,277	19,962	22,747	21,304	21,177	21,256	20,839	21,741	20,445	68,896	56,488	65,651
187,500	0,225	0,471	0,522	0,148	0,270	60,215	19,958	22,749	21,296	21,180	21,285	20,825	21,728	20,439	68,968	56,485	65,645
187,667	0,222	0,490	0,522	0,139	0,275	60,221	19,977	22,766	21,307	21,183	21,269	20,849	21,730	20,441	68,988	56,488	65,647
187,833	0,222	0,499	0,522	0,142	0,265	60,165	19,983	22,765	21,298	21,178	21,248	20,832	21,739	20,439	68,993	56,484	65,668

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
183,167	54,885	0,368	0,391	4800,290	5151,292	151,135	7,369	510,527	5,755	11,019	4,286	2017-09-14 13:50
183,334	54,880	0,369	0,390	4798,769	5216,168	132,887	7,274	510,621	5,926	10,881	4,259	2017-09-14 13:50
183,500	54,873	0,369	0,391	4819,851	5115,767	163,483	6,968	510,527	5,712	10,861	4,255	2017-09-14 13:51
183,667	54,874	0,369	0,391	4824,825	5158,130	180,883	6,423	510,527	5,715	10,856	4,254	2017-09-14 13:51
183,834	54,881	0,368	0,391	4817,363	5196,786	201,202	6,235	510,527	5,936	11,075	4,296	2017-09-14 13:51
184,000	54,884	0,369	0,391	4814,040	5238,081	204,207	6,386	510,527	5,678	10,943	4,271	2017-09-14 13:51
184,167	54,884	0,369	0,390	4794,765	5272,955	208,999	6,377	510,527	5,868	10,954	4,273	2017-09-14 13:51
184,334	54,885	0,369	0,390	4791,416	5179,181	170,397	6,460	510,527	5,653	10,988	4,279	2017-09-14 13:51
184,500	54,888	0,368	0,390	4801,716	5162,894	162,389	6,845	510,527	5,337	11,307	4,341	2017-09-14 13:52
184,667	54,885	0,369	0,391	4819,845	5202,816	163,535	7,504	510,433	5,771	11,440	4,367	2017-09-14 13:52
184,834	54,885	0,369	0,391	4837,551	5228,527	129,128	7,644	510,527	5,852	11,025	4,287	2017-09-14 13:52
185,000	54,885	0,369	0,391	4829,413	5178,642	135,827	7,503	510,527	5,309	11,033	4,288	2017-09-14 13:52
185,167	54,880	0,369	0,391	4814,685	5213,383	120,188	7,482	510,527	5,655	11,132	4,307	2017-09-14 13:52
185,334	54,874	0,369	0,391	4820,602	5230,279	120,747	7,314	510,527	5,724	10,902	4,263	2017-09-14 13:52
185,500	54,873	0,369	0,391	4825,190	5246,701	116,953	7,206	510,527	5,704	11,247	4,330	2017-09-14 13:53
185,667	54,876	0,369	0,391	4831,008	5202,267	141,462	7,319	510,527	5,871	10,778	4,238	2017-09-14 13:53
185,834	54,880	0,369	0,391	4824,576	5183,191	126,393	7,375	510,433	5,712	11,206	4,322	2017-09-14 13:53
186,000	54,881	0,369	0,391	4834,010	5227,009	115,914	7,299	510,527	5,609	10,950	4,272	2017-09-14 13:53
186,167	54,881	0,369	0,391	4838,531	5185,989	169,522	7,106	510,527	5,590	10,872	4,257	2017-09-14 13:53
186,333	54,880	0,369	0,391	4832,076	5208,494	191,505	6,783	510,528	5,516	11,159	4,313	2017-09-14 13:53
186,500	54,880	0,369	0,391	4825,448	5226,973	183,024	6,476	510,527	5,646	11,139	4,309	2017-09-14 13:54
186,667	54,878	0,369	0,390	4818,061	5177,142	133,512	6,282	510,433	5,794	10,539	4,191	2017-09-14 13:54
186,833	54,874	0,369	0,390	4819,056	5152,463	143,992	6,287	510,527	5,651	10,905	4,263	2017-09-14 13:54
187,000	54,874	0,368	0,390	4824,490	5200,764	164,967	6,289	510,433	5,510	11,235	4,327	2017-09-14 13:54
187,167	54,870	0,369	0,391	4834,288	5195,386	184,615	6,206	510,527	5,645	11,364	4,352	2017-09-14 13:54
187,333	54,870	0,369	0,391	4828,308	5238,386	167,739	6,391	510,527	5,524	11,030	4,288	2017-09-14 13:54
187,500	54,880	0,369	0,391	4819,816	5272,857	161,485	6,775	510,433	5,935	10,790	4,241	2017-09-14 13:55
187,667	54,898	0,369	0,391	4813,848	5276,203	143,154	7,244	510,433	5,560	10,994	4,280	2017-09-14 13:55
187,833	54,916	0,368	0,390	4809,440	5276,656	143,568	7,468	510,433	5,675	10,601	4,203	2017-09-14 13:55

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
188,000	0,220	0,492	0,522	0,143	0,271	60,131	19,996	22,781	21,305	21,194	21,271	20,854	21,729	20,449	68,793	56,477	65,694
188,167	0,220	0,479	0,522	0,146	0,268	60,100	19,975	22,801	21,291	21,178	21,291	20,832	21,740	20,447	68,836	56,474	65,722
188,333	0,225	0,460	0,522	0,144	0,271	60,160	19,924	22,803	21,298	21,176	21,251	20,820	21,744	20,440	68,872	56,474	65,748
188,500	0,228	0,437	0,522	0,147	0,269	60,236	19,966	22,769	21,297	21,173	21,281	20,839	21,749	20,447	68,774	56,484	65,753
188,667	0,229	0,430	0,522	0,147	0,278	60,188	20,002	22,759	21,305	21,192	21,298	20,858	21,743	20,452	68,809	56,494	65,714
188,833	0,228	0,435	0,522	0,144	0,261	60,192	19,986	22,726	21,281	21,179	21,263	20,837	21,739	20,440	68,682	56,508	65,700
189,000	0,227	0,443	0,522	0,138	0,277	60,206	20,003	22,745	21,303	21,187	21,271	20,841	21,748	20,447	68,638	56,521	65,686
189,167	0,227	0,458	0,522	0,142	0,267	60,194	20,011	22,740	21,295	21,175	21,297	20,841	21,743	20,440	68,705	56,524	65,680
189,333	0,226	0,475	0,525	0,140	0,281	60,231	19,850	22,743	21,293	21,188	21,261	20,849	21,735	20,441	68,712	56,523	65,663
189,500	0,224	0,482	0,522	0,137	0,260	60,201	19,971	22,767	21,299	21,180	21,281	20,836	21,738	20,443	68,686	56,525	65,625
189,667	0,224	0,479	0,522	0,147	0,275	60,160	19,956	22,761	21,312	21,178	21,290	20,833	21,738	20,445	68,616	56,528	65,607
189,833	0,231	0,464	0,522	0,146	0,262	60,112	20,045	22,786	21,303	21,174	21,250	20,840	21,740	20,444	68,548	56,532	65,617
190,000	0,233	0,449	0,522	0,139	0,260	60,066	20,007	22,770	21,295	21,183	21,280	20,845	21,745	20,449	68,716	56,527	65,599
190,167	0,240	0,442	0,522	0,140	0,265	60,041	20,003	22,748	21,303	21,186	21,291	20,845	21,726	20,445	68,713	56,527	65,582
190,334	0,237	0,452	0,522	0,139	0,274	60,046	20,033	22,730	21,293	21,180	21,259	20,831	21,734	20,444	68,572	56,525	65,560
190,500	0,224	0,472	0,522	0,143	0,269	59,993	20,011	22,702	21,290	21,186	21,264	20,840	21,740	20,440	68,645	56,528	65,551
190,667	0,219	0,501	0,522	0,139	0,271	59,981	19,984	22,709	21,302	21,170	21,289	20,842	21,735	20,439	68,569	56,533	65,577
190,834	0,221	0,519	0,522	0,146	0,271	59,976	20,037	22,693	21,308	21,177	21,291	20,845	21,744	20,445	68,803	56,539	65,578
191,000	0,217	0,529	0,522	0,136	0,273	60,051	20,011	22,647	21,298	21,179	21,247	20,834	21,731	20,439	68,684	56,539	65,570
191,167	0,218	0,535	0,522	0,141	0,272	60,039	20,039	22,667	21,300	21,182	21,284	20,827	21,743	20,443	68,739	56,549	65,562
191,334	0,219	0,535	0,522	0,147	0,272	60,050	20,094	22,636	21,298	21,179	21,315	20,844	21,739	20,443	68,716	56,557	65,546
191,500	0,217	0,530	0,522	0,142	0,273	60,122	20,042	22,648	21,299	21,182	21,291	20,842	21,732	20,447	68,817	56,564	65,575
191,667	0,217	0,516	0,522	0,140	0,265	60,125	19,956	22,629	21,287	21,174	21,284	20,846	21,749	20,443	68,764	56,556	65,593
191,834	0,218	0,501	0,522	0,146	0,271	60,080	19,977	22,634	21,293	21,167	21,291	20,838	21,743	20,438	68,933	56,549	65,599
192,000	0,221	0,500	0,522	0,145	0,277	60,013	19,995	22,620	21,297	21,182	21,268	20,844	21,741	20,441	68,892	56,560	65,620
192,167	0,221	0,499	0,522	0,143	0,276	59,996	20,022	22,631	21,287	21,170	21,284	20,852	21,743	20,445	68,917	56,570	65,626
192,334	0,220	0,504	0,522	0,139	0,275	60,020	20,026	22,612	21,284	21,180	21,319	20,848	21,727	20,443	68,958	56,579	65,629
192,500	0,218	0,508	0,522	0,129	0,267	60,050	20,037	22,631	21,304	21,178	21,294	20,831	21,748	20,445	68,878	56,583	65,661
192,667	0,216	0,515	0,522	0,138	0,280	60,010	20,020	22,610	21,306	21,171	21,259	20,831	21,737	20,439	68,731	56,590	65,680

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
188,000	54,928	0,369	0,391	4816,758	5200,529	133,957	7,303	510,433	5,707	10,855	4,253	2017-09-14 13:55
188,167	54,933	0,369	0,391	4829,638	5217,607	131,393	6,981	510,433	5,828	10,736	4,230	2017-09-14 13:55
188,333	54,940	0,369	0,391	4837,802	5234,366	166,860	6,490	510,433	5,745	10,849	4,252	2017-09-14 13:55
188,500	54,947	0,369	0,391	4839,061	5189,190	183,854	5,935	510,433	5,887	10,770	4,237	2017-09-14 13:56
188,667	54,948	0,369	0,391	4820,964	5195,942	186,373	5,756	510,433	5,892	11,123	4,306	2017-09-14 13:56
188,833	54,948	0,368	0,390	4808,406	5131,290	184,215	5,876	510,433	5,746	10,456	4,174	2017-09-14 13:56
189,000	54,951	0,368	0,391	4803,961	5106,338	177,975	6,080	510,433	5,516	11,096	4,300	2017-09-14 13:56
189,167	54,948	0,369	0,391	4808,202	5139,620	178,385	6,447	510,433	5,693	10,688	4,221	2017-09-14 13:56
189,333	54,955	0,369	0,391	4800,915	5142,682	169,431	6,871	510,947	5,607	11,241	4,328	2017-09-14 13:56
189,500	54,963	0,369	0,391	4775,258	5131,089	160,141	7,047	510,433	5,470	10,398	4,163	2017-09-14 13:57
189,667	54,972	0,368	0,391	4762,899	5097,481	160,360	6,972	510,433	5,873	11,014	4,284	2017-09-14 13:57
189,833	54,989	0,368	0,391	4758,054	5068,816	199,020	6,602	510,433	5,837	10,500	4,183	2017-09-14 13:57
190,000	54,999	0,368	0,391	4745,225	5140,444	214,242	6,219	510,433	5,562	10,410	4,165	2017-09-14 13:57
190,167	55,004	0,368	0,391	4737,030	5138,463	258,683	6,058	510,433	5,589	10,608	4,205	2017-09-14 13:57
190,334	55,014	0,368	0,391	4720,799	5081,560	236,794	6,298	510,433	5,551	10,949	4,272	2017-09-14 13:57
190,500	55,018	0,368	0,391	4713,535	5108,898	159,099	6,812	510,433	5,713	10,780	4,239	2017-09-14 13:58
190,667	55,019	0,368	0,391	4727,464	5070,550	127,234	7,534	510,433	5,556	10,853	4,253	2017-09-14 13:58
190,834	55,023	0,368	0,391	4721,377	5166,732	136,869	7,964	510,433	5,827	10,822	4,247	2017-09-14 13:58
191,000	55,022	0,367	0,390	4717,901	5104,548	112,867	8,232	510,433	5,450	10,932	4,269	2017-09-14 13:58
191,167	55,027	0,368	0,391	4714,151	5129,246	118,468	8,369	510,433	5,659	10,897	4,262	2017-09-14 13:58
191,334	55,034	0,367	0,391	4704,376	5114,143	124,072	8,387	510,433	5,895	10,870	4,256	2017-09-14 13:58
191,500	55,042	0,368	0,391	4712,806	5160,225	111,933	8,257	510,341	5,689	10,928	4,268	2017-09-14 13:59
191,667	55,050	0,368	0,391	4722,846	5141,149	116,522	7,911	510,433	5,584	10,582	4,200	2017-09-14 13:59
191,834	55,059	0,368	0,391	4719,651	5213,542	122,328	7,529	510,433	5,836	10,850	4,252	2017-09-14 13:59
192,000	55,067	0,368	0,391	4724,322	5194,576	138,540	7,490	510,433	5,791	11,090	4,299	2017-09-14 13:59
192,167	55,072	0,368	0,391	4725,408	5196,113	140,997	7,486	510,433	5,712	11,031	4,288	2017-09-14 13:59
192,334	55,078	0,368	0,391	4721,445	5209,206	135,000	7,593	510,433	5,557	10,998	4,281	2017-09-14 13:59
192,500	55,082	0,367	0,391	4737,171	5169,996	117,377	7,708	510,340	5,160	10,695	4,222	2017-09-14 14:00
192,667	55,087	0,367	0,390	4736,021	5103,320	105,258	7,866	510,423	5,540	11,202	4,321	2017-09-14 14:00

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
192,834	0,214	0,523	0,522	0,140	0,271	60,012	20,039	22,599	21,303	21,171	21,286	20,836	21,738	20,443	68,724	56,592	65,706
193,000	0,213	0,537	0,522	0,138	0,270	59,979	20,051	22,588	21,295	21,183	21,308	20,837	21,732	20,440	68,778	56,602	65,710
193,167	0,213	0,544	0,522	0,143	0,273	60,007	20,060	22,590	21,295	21,173	21,294	20,828	21,739	20,441	69,010	56,614	65,703
193,333	0,217	0,537	0,522	0,139	0,274	59,959	20,047	22,577	21,299	21,161	21,281	20,840	21,747	20,444	68,977	56,623	65,665
193,500	0,220	0,513	0,522	0,148	0,268	59,987	20,058	22,585	21,287	21,178	21,308	20,831	21,736	20,441	68,879	56,627	65,645
193,667	0,221	0,503	0,522	0,140	0,266	59,945	20,065	22,556	21,287	21,153	21,307	20,841	21,760	20,443	68,856	56,637	65,674
193,833	0,219	0,502	0,522	0,141	0,279	59,945	20,056	22,572	21,295	21,174	21,285	20,837	21,744	20,444	68,965	56,635	65,719
194,000	0,219	0,512	0,522	0,138	0,278	59,902	20,047	22,568	21,294	21,162	21,299	20,853	21,748	20,443	69,084	56,634	65,730
194,167	0,218	0,517	0,522	0,146	0,274	59,963	20,058	22,572	21,307	21,170	21,321	20,841	21,744	20,445	69,097	56,637	65,719
194,333	0,219	0,510	0,522	0,142	0,279	59,998	20,068	22,576	21,291	21,171	21,290	20,842	21,747	20,445	69,167	56,646	65,731
194,500	0,217	0,503	0,522	0,141	0,264	60,005	20,041	22,577	21,291	21,173	21,289	20,835	21,734	20,441	69,082	56,655	65,777
194,667	0,217	0,510	0,522	0,140	0,274	60,016	20,062	22,592	21,305	21,164	21,339	20,858	21,751	20,455	68,921	56,664	65,834
194,833	0,217	0,507	0,521	0,142	0,273	60,021	20,055	22,571	21,302	21,165	21,294	20,845	21,741	20,444	68,876	56,672	65,863
195,000	0,217	0,499	0,522	0,142	0,280	60,034	20,055	22,606	21,305	21,182	21,310	20,860	21,746	20,452	68,933	56,682	65,884
195,167	0,218	0,482	0,521	0,149	0,268	60,006	20,024	22,602	21,293	21,165	21,317	20,850	21,747	20,445	69,098	56,689	65,884
195,333	0,221	0,471	0,522	0,143	0,274	60,004	20,008	22,605	21,299	21,171	21,321	20,840	21,752	20,449	69,111	56,696	65,854
195,500	0,225	0,480	0,522	0,141	0,272	59,955	20,039	22,568	21,291	21,164	21,285	20,845	21,739	20,445	69,092	56,697	65,820
195,667	0,220	0,490	0,522	0,133	0,271	59,927	20,047	22,568	21,280	21,162	21,297	20,836	21,739	20,441	68,984	56,692	65,831
195,833	0,219	0,496	0,522	0,147	0,267	59,945	20,067	22,560	21,286	21,167	21,327	20,829	21,751	20,443	69,028	56,689	65,857
196,000	0,218	0,499	0,522	0,145	0,272	59,938	20,012	22,564	21,287	21,161	21,295	20,850	21,735	20,444	68,927	56,686	65,878
196,167	0,221	0,499	0,521	0,143	0,280	59,997	20,037	22,584	21,282	21,158	21,283	20,833	21,752	20,441	69,004	56,692	65,877
196,333	0,222	0,504	0,522	0,141	0,268	60,054	20,037	22,590	21,273	21,143	21,328	20,835	21,757	20,440	69,073	56,700	65,849
196,500	0,220	0,512	0,521	0,138	0,284	60,059	20,042	22,577	21,277	21,158	21,297	20,836	21,753	20,443	69,003	56,705	65,847
196,667	0,217	0,514	0,521	0,138	0,277	60,077	20,060	22,561	21,293	21,160	21,290	20,849	21,748	20,441	69,174	56,707	65,826
196,833	0,213	0,525	0,521	0,141	0,261	60,055	20,059	22,589	21,285	21,166	21,333	20,849	21,748	20,447	69,073	56,711	65,835
197,000	0,210	0,549	0,521	0,134	0,270	60,086	20,052	22,578	21,285	21,152	21,302	20,853	21,744	20,441	69,179	56,711	65,843
197,167	0,209	0,573	0,521	0,133	0,272	60,164	20,055	22,581	21,286	21,161	21,297	20,835	21,751	20,445	69,206	56,712	65,839
197,334	0,209	0,591	0,521	0,145	0,273	60,162	20,052	22,584	21,306	21,157	21,308	20,838	21,735	20,441	69,380	56,712	65,868
197,500	0,213	0,596	0,521	0,145	0,267	60,094	20,033	22,585	21,283	21,141	21,306	20,844	21,749	20,441	69,512	56,716	65,876

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
192,834	55,090	0,368	0,390	4745,023	5108,259	92,834	8,083	510,340	5,601	10,831	4,249	2017-09-14 14:00
193,000	55,094	0,368	0,390	4746,270	5123,201	87,823	8,421	510,433	5,504	10,818	4,246	2017-09-14 14:00
193,167	55,101	0,368	0,391	4745,145	5217,733	88,640	8,610	510,340	5,730	10,927	4,267	2017-09-14 14:00
193,333	55,102	0,368	0,391	4729,183	5202,747	114,872	8,425	510,340	5,569	10,951	4,272	2017-09-14 14:00
193,500	55,110	0,368	0,391	4713,935	5160,112	131,417	7,824	510,340	5,924	10,736	4,230	2017-09-14 14:01
193,667	55,117	0,368	0,391	4725,415	5144,244	136,883	7,567	510,340	5,609	10,644	4,212	2017-09-14 14:01
193,833	55,127	0,367	0,391	4739,282	5186,088	126,633	7,540	510,340	5,638	11,167	4,314	2017-09-14 14:01
194,000	55,134	0,367	0,391	4742,925	5237,781	123,919	7,800	510,340	5,536	11,103	4,302	2017-09-14 14:01
194,167	55,139	0,368	0,391	4733,394	5247,593	123,228	7,915	510,340	5,822	10,968	4,276	2017-09-14 14:01
194,333	55,141	0,368	0,391	4741,751	5273,662	129,294	7,741	510,340	5,695	11,155	4,312	2017-09-14 14:01
194,500	55,141	0,367	0,391	4758,725	5227,248	116,296	7,584	510,340	5,626	10,580	4,199	2017-09-14 14:02
194,667	55,139	0,368	0,391	4785,435	5157,522	114,236	7,744	510,340	5,592	10,942	4,270	2017-09-14 14:02
194,833	55,129	0,368	0,391	4807,115	5144,530	111,714	7,687	510,246	5,667	10,903	4,263	2017-09-14 14:02
195,000	55,127	0,368	0,391	4820,950	5158,993	116,522	7,487	510,340	5,685	11,212	4,323	2017-09-14 14:02
195,167	55,125	0,368	0,391	4814,084	5225,626	122,394	7,043	510,245	5,959	10,729	4,229	2017-09-14 14:02
195,333	55,127	0,367	0,390	4797,569	5219,492	140,079	6,776	510,340	5,736	10,941	4,270	2017-09-14 14:02
195,500	55,130	0,367	0,390	4781,294	5212,727	163,813	7,011	510,340	5,644	10,875	4,257	2017-09-14 14:03
195,667	55,135	0,368	0,391	4784,970	5171,903	131,640	7,249	510,340	5,315	10,838	4,250	2017-09-14 14:03
195,833	55,141	0,368	0,391	4795,856	5197,330	127,693	7,402	510,340	5,891	10,687	4,220	2017-09-14 14:03
196,000	55,145	0,368	0,390	4799,538	5152,080	122,408	7,469	510,340	5,801	10,880	4,258	2017-09-14 14:03
196,167	55,151	0,368	0,391	4800,098	5185,973	141,900	7,477	510,245	5,705	11,200	4,320	2017-09-14 14:03
196,333	55,151	0,368	0,390	4784,339	5207,152	143,064	7,593	510,340	5,658	10,735	4,230	2017-09-14 14:03
196,500	55,151	0,368	0,391	4784,210	5175,036	133,241	7,807	510,245	5,502	11,366	4,352	2017-09-14 14:04
196,667	55,143	0,368	0,391	4779,229	5251,259	114,194	7,848	510,245	5,525	11,080	4,297	2017-09-14 14:04
196,833	55,141	0,368	0,391	4787,757	5203,476	90,116	8,136	510,245	5,634	10,455	4,174	2017-09-14 14:04
197,000	55,139	0,368	0,390	4787,109	5246,568	67,692	8,715	510,246	5,370	10,793	4,241	2017-09-14 14:04
197,167	55,138	0,367	0,390	4779,636	5255,204	64,322	9,336	510,246	5,309	10,885	4,259	2017-09-14 14:04
197,334	55,134	0,367	0,390	4799,813	5329,603	65,559	9,786	510,245	5,792	10,931	4,268	2017-09-14 14:04
197,500	55,119	0,367	0,391	4811,615	5383,486	89,599	9,892	510,245	5,815	10,684	4,220	2017-09-14 14:05

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
197,667	0,216	0,589	0,521	0,140	0,270	60,102	20,063	22,569	21,274	21,163	21,297	20,841	21,739	20,441	69,481	56,713	65,925
197,834	0,223	0,578	0,521	0,145	0,280	60,102	20,058	22,582	21,273	21,153	21,298	20,841	21,751	20,444	69,556	56,711	65,956
198,000	0,224	0,551	0,521	0,151	0,279	60,045	20,059	22,551	21,280	21,152	21,334	20,833	21,741	20,441	69,445	56,713	66,048
198,167	0,222	0,529	0,521	0,147	0,274	60,048	20,042	22,554	21,277	21,160	21,314	20,836	21,753	20,443	69,552	56,711	66,134
198,334	0,221	0,515	0,521	0,141	0,286	60,103	20,146	22,561	21,282	21,160	21,290	20,837	21,747	20,441	69,465	56,711	66,167
198,500	0,220	0,499	0,521	0,143	0,280	60,068	20,101	22,543	21,272	21,158	21,298	20,835	21,741	20,443	69,523	56,717	66,199
198,667	0,221	0,486	0,521	0,145	0,271	60,090	20,111	22,551	21,290	21,158	21,328	20,846	21,760	20,445	69,531	56,717	66,219
198,834	0,226	0,476	0,521	0,144	0,275	60,053	20,090	22,567	21,273	21,145	21,303	20,838	21,743	20,443	69,512	56,713	66,241
199,000	0,227	0,477	0,521	0,139	0,273	60,025	20,084	22,545	21,285	21,154	21,306	20,844	21,757	20,445	69,387	56,719	66,234
199,167	0,223	0,486	0,521	0,140	0,271	60,025	20,118	22,568	21,301	21,160	21,341	20,854	21,756	20,451	69,362	56,717	66,252
199,334	0,222	0,492	0,521	0,143	0,266	60,036	20,096	22,547	21,268	21,150	21,327	20,849	21,748	20,445	69,330	56,719	66,256
199,500	0,224	0,490	0,521	0,150	0,268	60,053	20,111	22,555	21,288	21,149	21,286	20,836	21,755	20,448	69,490	56,719	66,229
199,667	0,219	0,495	0,521	0,137	0,275	60,106	20,114	22,592	21,287	21,177	21,324	20,861	21,760	20,463	69,547	56,713	66,210
199,833	0,216	0,503	0,521	0,142	0,262	60,130	20,089	22,579	21,274	21,148	21,341	20,840	21,752	20,444	69,499	56,711	66,157
200,000	0,214	0,512	0,521	0,140	0,275	60,114	20,055	22,609	21,299	21,177	21,333	20,853	21,762	20,452	69,397	56,711	66,129
200,167	0,212	0,525	0,521	0,135	0,270	60,097	20,067	22,607	21,280	21,155	21,320	20,849	21,749	20,455	69,295	56,707	66,173
200,333	0,211	0,526	0,521	0,128	0,273	60,006	20,105	22,637	21,291	21,151	21,298	20,842	21,749	20,448	69,787	56,694	66,191
200,500	0,212	0,524	0,521	0,143	0,278	60,071	20,093	22,654	21,295	21,155	21,331	20,860	21,753	20,451	69,521	56,676	66,185
200,667	0,213	0,514	0,521	0,139	0,261	60,082	20,108	22,661	21,305	21,159	21,331	20,858	21,772	20,457	69,600	56,674	66,156
200,833	0,212	0,517	0,521	0,136	0,268	60,138	20,106	22,644	21,301	21,165	21,307	20,841	21,764	20,455	69,476	56,670	66,148
201,000	0,212	0,517	0,521	0,146	0,270	60,091	20,103	22,648	21,282	21,156	21,304	20,835	21,756	20,445	69,500	56,662	66,225
201,167	0,219	0,508	0,521	0,137	0,270	60,088	20,113	22,644	21,302	21,156	21,344	20,854	21,755	20,449	69,539	56,664	66,253
201,333	0,223	0,499	0,521	0,138	0,264	60,090	20,115	22,645	21,297	21,164	21,335	20,845	21,744	20,449	69,317	56,651	66,272
201,500	0,221	0,496	0,521	0,144	0,271	60,114	20,114	22,657	21,293	21,166	21,303	20,848	21,744	20,452	69,178	56,657	66,283
201,667	0,218	0,494	0,521	0,137	0,273	60,082	20,104	22,658	21,298	21,161	21,322	20,864	21,751	20,453	69,230	56,661	66,280
201,833	0,218	0,490	0,521	0,136	0,273	60,077	20,083	22,662	21,291	21,152	21,340	20,840	21,745	20,448	69,321	56,668	66,221
202,000	0,216	0,489	0,521	0,141	0,264	60,058	20,081	22,674	21,291	21,161	21,301	20,841	21,745	20,448	69,315	56,665	66,169
202,167	0,214	0,496	0,521	0,142	0,276	60,087	20,088	22,684	21,291	21,158	21,328	20,859	21,734	20,445	69,367	56,662	66,124
202,333	0,217	0,504	0,521	0,142	0,271	60,079	20,090	22,701	21,290	21,152	21,324	20,844	21,749	20,443	69,458	56,657	66,095

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
197,667	55,109	0,367	0,391	4838,445	5371,209	109,639	9,735	510,246	5,606	10,780	4,239	2017-09-14 14:05
197,834	55,101	0,368	0,391	4857,007	5409,008	148,804	9,445	510,245	5,801	11,187	4,318	2017-09-14 14:05
198,000	55,093	0,367	0,391	4900,537	5353,202	155,749	8,769	510,245	6,056	11,148	4,310	2017-09-14 14:05
198,167	55,091	0,368	0,390	4937,656	5404,585	142,984	8,222	510,246	5,870	10,945	4,271	2017-09-14 14:05
198,334	55,087	0,368	0,390	4954,718	5369,501	137,929	7,868	510,245	5,632	11,428	4,364	2017-09-14 14:05
198,500	55,083	0,367	0,390	4970,685	5387,090	135,406	7,470	510,246	5,732	11,220	4,324	2017-09-14 14:06
198,667	55,075	0,368	0,390	4984,458	5392,670	140,027	7,147	510,245	5,782	10,822	4,247	2017-09-14 14:06
198,834	55,063	0,367	0,391	5003,569	5384,621	173,024	6,899	510,152	5,761	11,006	4,283	2017-09-14 14:06
199,000	55,064	0,368	0,390	4995,606	5330,132	174,810	6,914	510,245	5,570	10,903	4,263	2017-09-14 14:06
199,167	55,060	0,368	0,391	5007,983	5326,204	151,785	7,138	510,246	5,594	10,824	4,247	2017-09-14 14:06
199,334	55,058	0,367	0,391	5009,890	5305,420	147,567	7,305	510,152	5,719	10,644	4,212	2017-09-14 14:06
199,500	55,048	0,368	0,391	5001,537	5374,184	160,353	7,253	510,245	5,988	10,711	4,225	2017-09-14 14:07
199,667	55,039	0,368	0,390	4990,022	5403,901	123,840	7,381	510,245	5,469	11,000	4,282	2017-09-14 14:07
199,833	55,030	0,368	0,391	4977,682	5380,622	109,949	7,585	510,245	5,670	10,488	4,181	2017-09-14 14:07
200,000	55,028	0,367	0,391	4965,925	5333,960	97,677	7,806	510,152	5,590	11,003	4,282	2017-09-14 14:07
200,167	55,024	0,368	0,390	4980,367	5297,035	85,315	8,125	510,152	5,406	10,782	4,239	2017-09-14 14:07
200,333	55,020	0,368	0,390	4995,356	5509,769	76,507	8,155	510,152	5,117	10,930	4,268	2017-09-14 14:07
200,500	55,015	0,367	0,390	4990,001	5404,503	80,416	8,094	510,152	5,703	11,111	4,303	2017-09-14 14:08
200,667	55,010	0,368	0,390	4982,878	5440,337	89,064	7,862	510,152	5,558	10,435	4,170	2017-09-14 14:08
200,833	55,006	0,368	0,390	4978,158	5388,393	80,468	7,933	510,152	5,459	10,715	4,226	2017-09-14 14:08
201,000	54,999	0,368	0,390	5017,123	5402,022	85,961	7,922	510,152	5,851	10,807	4,244	2017-09-14 14:08
201,167	54,995	0,367	0,390	5032,896	5410,264	129,298	7,699	510,152	5,497	10,818	4,246	2017-09-14 14:08
201,333	54,988	0,367	0,390	5038,946	5327,623	154,036	7,469	510,152	5,510	10,567	4,197	2017-09-14 14:08
201,500	54,984	0,368	0,391	5055,063	5268,357	138,443	7,405	510,152	5,772	10,841	4,251	2017-09-14 14:09
201,667	54,977	0,368	0,391	5060,437	5293,555	120,521	7,341	510,152	5,481	10,908	4,264	2017-09-14 14:09
201,833	54,973	0,368	0,390	5029,991	5327,857	121,783	7,250	510,152	5,437	10,934	4,269	2017-09-14 14:09
202,000	54,971	0,368	0,391	5016,072	5330,841	110,369	7,226	510,152	5,623	10,543	4,192	2017-09-14 14:09
202,167	54,965	0,368	0,391	4997,461	5351,228	96,617	7,389	510,152	5,686	11,030	4,287	2017-09-14 14:09
202,333	54,965	0,368	0,390	4977,526	5388,505	111,901	7,604	510,152	5,692	10,859	4,254	2017-09-14 14:09

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
202,500	0,219	0,500	0,521	0,142	0,272	60,084	20,093	22,704	21,291	21,166	21,289	20,839	21,739	20,447	69,554	56,649	66,093
202,667	0,216	0,494	0,521	0,145	0,274	60,069	20,100	22,704	21,301	21,171	21,328	20,848	21,744	20,447	69,503	56,646	66,106
202,833	0,214	0,495	0,520	0,138	0,274	60,081	20,090	22,718	21,301	21,167	21,351	20,849	21,744	20,447	69,552	56,633	66,134
203,000	0,213	0,506	0,521	0,145	0,273	60,066	20,090	22,721	21,298	21,171	21,318	20,845	21,764	20,449	69,455	56,619	66,157
203,167	0,211	0,525	0,521	0,137	0,272	60,058	20,076	22,734	21,293	21,175	21,321	20,839	21,752	20,445	69,636	56,619	66,191
203,333	0,210	0,548	0,521	0,135	0,267	60,062	20,075	22,740	21,318	21,170	21,331	20,858	21,757	20,449	69,527	56,617	66,180
203,500	0,209	0,556	0,521	0,143	0,283	60,039	20,059	22,713	21,294	21,162	21,299	20,854	21,755	20,445	69,655	56,615	66,184
203,667	0,210	0,554	0,521	0,138	0,275	60,074	20,063	22,753	21,295	21,181	21,350	20,848	21,751	20,449	69,637	56,619	66,210
203,834	0,210	0,545	0,521	0,133	0,266	60,059	20,069	22,756	21,294	21,169	21,324	20,849	21,755	20,448	69,608	56,618	66,262
204,000	0,209	0,538	0,521	0,128	0,279	60,064	20,003	22,757	21,316	21,167	21,331	20,849	21,755	20,448	69,608	56,615	66,291
204,167	0,208	0,542	0,521	0,140	0,263	60,088	20,030	22,777	21,315	21,171	21,323	20,850	21,752	20,451	69,605	56,611	66,313
204,334	0,209	0,541	0,520	0,151	0,262	60,088	20,042	22,748	21,306	21,177	21,331	20,841	21,753	20,447	69,690	56,608	66,299
204,500	0,212	0,523	0,520	0,144	0,273	60,055	20,052	22,753	21,302	21,186	21,362	20,854	21,755	20,447	69,683	56,606	66,289
204,667	0,217	0,496	0,520	0,150	0,270	60,041	20,029	22,730	21,299	21,186	21,345	20,841	21,756	20,444	69,569	56,608	66,318
204,834	0,218	0,481	0,520	0,135	0,269	60,073	20,033	22,735	21,311	21,169	21,315	20,856	21,761	20,449	69,798	56,618	66,324
205,000	0,218	0,481	0,520	0,146	0,262	60,149	20,024	22,747	21,310	21,169	21,332	20,850	21,768	20,448	69,618	56,615	66,334
205,167	0,217	0,493	0,520	0,141	0,275	60,164	20,022	22,728	21,302	21,164	21,351	20,855	21,757	20,444	69,628	56,614	66,332
205,334	0,213	0,516	0,520	0,138	0,274	60,111	20,055	22,756	21,311	21,182	21,353	20,861	21,758	20,445	69,657	56,611	66,312
205,500	0,213	0,525	0,520	0,131	0,272	60,073	20,067	22,778	21,308	21,192	21,312	20,858	21,752	20,451	69,627	56,611	66,335
205,667	0,212	0,536	0,520	0,145	0,279	60,067	20,102	22,796	21,304	21,190	21,323	20,859	21,761	20,447	69,764	56,607	66,327
205,834	0,213	0,532	0,521	0,140	0,274	60,127	20,068	22,790	21,312	21,171	21,359	20,842	21,743	20,444	69,736	56,604	66,323
206,000	0,216	0,525	0,520	0,144	0,282	60,149	20,082	22,770	21,310	21,201	21,358	20,858	21,761	20,445	69,597	56,607	66,319
206,167	0,216	0,530	0,520	0,142	0,275	60,150	20,069	22,757	21,312	21,186	21,331	20,859	21,755	20,448	69,706	56,606	66,328
206,334	0,214	0,529	0,520	0,145	0,268	60,129	20,063	22,752	21,316	21,197	21,316	20,862	21,761	20,448	69,705	56,604	66,354
206,500	0,214	0,523	0,520	0,141	0,281	60,159	20,054	22,765	21,306	21,192	21,346	20,854	21,756	20,447	69,767	56,599	66,363
206,667	0,214	0,520	0,520	0,140	0,275	60,183	20,051	22,762	21,308	21,190	21,370	20,846	21,769	20,449	69,771	56,595	66,363
206,833	0,214	0,523	0,520	0,141	0,272	60,140	20,073	22,769	21,310	21,200	21,333	20,858	21,764	20,447	69,872	56,594	66,365
207,000	0,216	0,527	0,520	0,139	0,270	60,163	20,051	22,743	21,307	21,197	21,316	20,854	21,749	20,448	69,811	56,592	66,382
207,167	0,218	0,519	0,520	0,146	0,266	60,179	20,064	22,760	21,323	21,191	21,345	20,852	21,770	20,447	69,780	56,594	66,408

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
202,500	54,961	0,368	0,390	4978,629	5433,676	123,860	7,503	510,152	5,675	10,882	4,259	2017-09-14 14:10
202,667	54,955	0,368	0,390	4983,135	5409,973	107,124	7,358	510,152	5,800	10,978	4,277	2017-09-14 14:10
202,833	54,951	0,368	0,390	4999,706	5439,015	93,098	7,378	510,059	5,514	10,955	4,273	2017-09-14 14:10
203,000	54,945	0,368	0,390	5012,673	5404,200	90,530	7,644	510,152	5,798	10,901	4,263	2017-09-14 14:10
203,167	54,944	0,368	0,391	5038,105	5486,691	78,369	8,117	510,152	5,464	10,867	4,256	2017-09-14 14:10
203,333	54,940	0,368	0,391	5028,264	5441,433	68,502	8,703	510,152	5,413	10,668	4,217	2017-09-14 14:10
203,500	54,937	0,368	0,391	5034,029	5499,125	62,647	8,910	510,152	5,707	11,334	4,346	2017-09-14 14:11
203,667	54,932	0,368	0,391	5046,853	5486,363	69,989	8,846	510,152	5,523	11,005	4,283	2017-09-14 14:11
203,834	54,928	0,368	0,390	5065,879	5468,004	73,342	8,620	510,152	5,312	10,622	4,207	2017-09-14 14:11
204,000	54,927	0,367	0,390	5080,453	5465,103	65,594	8,459	510,152	5,112	11,179	4,316	2017-09-14 14:11
204,167	54,925	0,367	0,390	5086,675	5466,047	61,039	8,558	510,152	5,590	10,525	4,188	2017-09-14 14:11
204,334	54,921	0,367	0,390	5079,392	5501,984	66,084	8,536	510,058	6,026	10,493	4,182	2017-09-14 14:11
204,500	54,918	0,367	0,390	5079,357	5499,910	82,685	8,071	510,059	5,774	10,916	4,265	2017-09-14 14:12
204,667	54,913	0,367	0,390	5095,540	5452,772	113,156	7,390	510,058	5,995	10,805	4,244	2017-09-14 14:12
204,834	54,914	0,368	0,390	5100,945	5549,515	118,861	7,019	510,059	5,400	10,766	4,236	2017-09-14 14:12
205,000	54,909	0,368	0,390	5108,707	5481,022	118,200	7,037	510,059	5,822	10,492	4,182	2017-09-14 14:12
205,167	54,906	0,368	0,390	5108,485	5478,215	111,766	7,326	510,058	5,638	11,001	4,282	2017-09-14 14:12
205,334	54,901	0,368	0,391	5104,845	5494,237	90,954	7,896	510,058	5,532	10,971	4,276	2017-09-14 14:12
205,500	54,898	0,368	0,390	5105,855	5478,789	88,418	8,136	510,058	5,233	10,878	4,258	2017-09-14 14:13
205,667	54,894	0,368	0,390	5109,007	5540,236	82,560	8,390	510,058	5,818	11,147	4,310	2017-09-14 14:13
205,834	54,889	0,368	0,390	5113,432	5526,313	90,082	8,299	510,111	5,602	10,955	4,273	2017-09-14 14:13
206,000	54,889	0,367	0,390	5109,454	5464,335	109,806	8,125	510,058	5,748	11,298	4,339	2017-09-14 14:13
206,167	54,884	0,367	0,390	5107,474	5511,397	108,621	8,244	510,058	5,680	11,003	4,282	2017-09-14 14:13
206,334	54,884	0,367	0,390	5122,541	5508,084	92,924	8,226	509,974	5,815	10,723	4,227	2017-09-14 14:13
206,500	54,882	0,368	0,390	5130,695	5542,000	94,512	8,083	510,058	5,658	11,253	4,331	2017-09-14 14:14
206,667	54,881	0,367	0,390	5131,814	5541,319	98,076	7,997	510,058	5,592	11,005	4,283	2017-09-14 14:14
206,833	54,882	0,368	0,390	5134,614	5594,162	93,678	8,079	510,058	5,657	10,899	4,262	2017-09-14 14:14
207,000	54,881	0,368	0,390	5142,744	5563,198	110,651	8,180	510,058	5,571	10,808	4,244	2017-09-14 14:14
207,167	54,876	0,367	0,390	5151,074	5548,084	120,303	7,979	510,058	5,851	10,624	4,208	2017-09-14 14:14

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
207,333	0,216	0,507	0,520	0,139	0,276	60,221	20,086	22,779	21,308	21,181	21,364	20,858	21,764	20,447	69,901	56,590	66,428
207,500	0,214	0,499	0,520	0,143	0,274	60,276	20,073	22,796	21,315	21,200	21,311	20,852	21,761	20,448	69,791	56,592	66,451
207,667	0,213	0,501	0,520	0,154	0,269	60,215	20,059	22,830	21,312	21,208	21,361	20,857	21,751	20,449	69,724	56,587	66,437
207,833	0,212	0,507	0,520	0,145	0,274	60,200	20,047	22,814	21,315	21,192	21,337	20,862	21,762	20,447	69,726	56,590	66,454
208,000	0,213	0,513	0,520	0,145	0,268	60,140	20,064	22,803	21,316	21,217	21,322	20,852	21,766	20,452	69,680	56,591	66,460
208,167	0,214	0,516	0,520	0,148	0,268	60,149	20,045	22,815	21,327	21,185	21,370	20,857	21,764	20,451	69,847	56,586	66,462
208,333	0,218	0,504	0,520	0,139	0,280	60,193	20,021	22,807	21,319	21,203	21,329	20,853	21,752	20,449	69,843	56,586	66,454
208,500	0,221	0,493	0,520	0,133	0,273	60,224	20,045	22,867	21,324	21,203	21,316	20,878	21,766	20,456	69,476	56,594	66,431
208,667	0,223	0,480	0,520	0,134	0,273	60,214	20,026	22,910	21,332	21,209	21,346	20,854	21,755	20,449	69,622	56,590	66,411
208,833	0,221	0,480	0,520	0,135	0,268	60,306	20,016	22,885	21,321	21,201	21,355	20,858	21,751	20,448	69,641	56,595	66,413
209,000	0,219	0,479	0,520	0,141	0,279	60,322	20,030	22,917	21,335	21,203	21,371	20,871	21,776	20,451	69,772	56,586	66,424
209,167	0,219	0,472	0,520	0,137	0,273	60,348	20,024	22,927	21,329	21,194	21,322	20,848	21,773	20,451	69,596	56,583	66,373
209,333	0,227	0,465	0,520	0,141	0,268	60,377	20,022	22,954	21,315	21,201	21,331	20,856	21,757	20,449	69,908	56,580	66,339
209,500	0,228	0,468	0,520	0,137	0,282	60,476	20,026	22,949	21,310	21,199	21,374	20,862	21,765	20,449	69,834	56,580	66,347
209,667	0,225	0,474	0,520	0,134	0,266	60,474	20,019	22,949	21,306	21,199	21,346	20,862	21,773	20,447	69,719	56,579	66,350
209,833	0,215	0,482	0,520	0,131	0,274	60,481	20,004	22,940	21,323	21,196	21,319	20,865	21,773	20,449	69,621	56,579	66,382
210,000	0,213	0,493	0,520	0,139	0,266	60,529	20,017	22,927	21,303	21,191	21,338	20,852	21,752	20,447	69,629	56,576	66,429
210,167	0,212	0,505	0,520	0,129	0,275	60,535	20,040	22,895	21,329	21,204	21,371	20,871	21,756	20,451	69,702	56,580	66,431
210,333	0,212	0,521	0,520	0,144	0,272	60,593	20,022	22,936	21,304	21,205	21,349	20,859	21,768	20,447	69,757	56,588	66,421
210,500	0,211	0,531	0,520	0,143	0,266	60,596	20,039	22,949	21,319	21,207	21,340	20,861	21,761	20,448	69,728	56,592	66,404
210,667	0,213	0,533	0,520	0,142	0,271	60,618	20,041	22,932	21,307	21,200	21,372	20,859	21,758	20,447	69,632	56,591	66,384
210,834	0,215	0,520	0,520	0,139	0,275	60,680	20,039	22,934	21,308	21,214	21,359	20,870	21,777	20,448	69,996	56,602	66,373
211,000	0,214	0,511	0,520	0,149	0,269	60,679	20,046	22,921	21,319	21,211	21,318	20,858	21,758	20,449	69,955	56,599	66,388
211,167	0,213	0,516	0,520	0,143	0,268	60,710	20,025	22,903	21,316	21,208	21,320	20,866	21,772	20,448	70,017	56,603	66,381
211,334	0,211	0,514	0,520	0,142	0,277	60,632	20,046	22,887	21,320	21,205	21,350	20,867	21,764	20,451	69,912	56,606	66,420
211,500	0,211	0,512	0,520	0,147	0,272	60,627	20,058	22,890	21,318	21,207	21,378	20,871	21,781	20,451	69,947	56,607	66,487
211,667	0,213	0,506	0,520	0,136	0,268	60,641	20,003	22,902	21,327	21,195	21,358	20,867	21,770	20,448	69,947	56,608	66,518
211,834	0,214	0,506	0,520	0,140	0,271	60,698	20,020	22,903	21,323	21,213	21,329	20,878	21,773	20,448	69,944	56,611	66,549
212,000	0,214	0,521	0,520	0,140	0,267	60,658	20,034	22,912	21,321	21,209	21,345	20,862	21,777	20,448	69,833	56,619	66,560

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
207,333	54,870	0,367	0,390	5162,509	5599,915	110,161	7,677	510,058	5,553	11,057	4,293	2017-09-14 14:14
207,500	54,868	0,368	0,390	5179,518	5559,342	98,059	7,479	510,058	5,737	10,959	4,274	2017-09-14 14:15
207,667	54,865	0,368	0,390	5175,009	5533,588	88,800	7,535	510,058	6,176	10,756	4,234	2017-09-14 14:15
207,833	54,861	0,368	0,391	5187,406	5534,513	84,019	7,670	510,058	5,796	10,959	4,274	2017-09-14 14:15
208,000	54,861	0,368	0,390	5188,424	5515,192	90,495	7,819	510,058	5,820	10,732	4,229	2017-09-14 14:15
208,167	54,858	0,368	0,390	5188,023	5587,353	96,360	7,896	509,965	5,913	10,737	4,230	2017-09-14 14:15
208,333	54,857	0,368	0,390	5183,852	5590,899	118,972	7,600	510,058	5,541	11,206	4,322	2017-09-14 14:15
208,500	54,854	0,368	0,391	5180,162	5427,151	139,485	7,320	509,965	5,319	10,921	4,266	2017-09-14 14:16
208,667	54,856	0,368	0,390	5166,323	5488,014	154,453	7,010	509,965	5,354	10,934	4,269	2017-09-14 14:16
208,833	54,856	0,368	0,390	5164,698	5493,329	137,237	7,009	510,058	5,386	10,716	4,226	2017-09-14 14:16
209,000	54,860	0,367	0,390	5165,523	5547,171	125,535	6,978	509,966	5,621	11,146	4,310	2017-09-14 14:16
209,167	54,866	0,367	0,390	5140,975	5470,869	129,274	6,812	509,965	5,461	10,925	4,267	2017-09-14 14:16
209,333	54,870	0,368	0,390	5126,084	5617,072	173,504	6,637	509,966	5,648	10,735	4,230	2017-09-14 14:16
209,500	54,876	0,368	0,390	5130,612	5580,203	182,377	6,695	509,966	5,491	11,267	4,333	2017-09-14 14:17
209,667	54,873	0,368	0,391	5135,204	5534,000	162,038	6,862	509,965	5,379	10,626	4,208	2017-09-14 14:17
209,833	54,874	0,368	0,390	5147,736	5493,846	103,177	7,059	509,965	5,238	10,962	4,274	2017-09-14 14:17
210,000	54,873	0,368	0,390	5166,098	5496,541	86,972	7,316	509,965	5,573	10,656	4,214	2017-09-14 14:17
210,167	54,876	0,368	0,391	5169,366	5528,832	83,821	7,618	510,058	5,148	11,000	4,282	2017-09-14 14:17
210,333	54,876	0,368	0,390	5157,933	5554,659	82,129	8,020	509,965	5,742	10,867	4,256	2017-09-14 14:17
210,500	54,876	0,368	0,390	5149,048	5541,374	77,740	8,283	509,965	5,710	10,646	4,212	2017-09-14 14:18
210,667	54,873	0,369	0,390	5142,275	5507,078	86,670	8,333	509,965	5,675	10,828	4,248	2017-09-14 14:18
210,834	54,876	0,369	0,390	5140,096	5654,928	99,115	7,990	509,965	5,567	11,007	4,283	2017-09-14 14:18
211,000	54,881	0,368	0,390	5145,469	5632,766	97,663	7,779	509,965	5,942	10,745	4,232	2017-09-14 14:18
211,167	54,888	0,369	0,390	5134,968	5659,681	91,162	7,891	509,966	5,709	10,732	4,229	2017-09-14 14:18
211,334	54,889	0,368	0,390	5146,318	5609,843	78,599	7,861	509,965	5,684	11,086	4,299	2017-09-14 14:18
211,500	54,890	0,368	0,390	5178,322	5627,820	77,115	7,808	509,966	5,883	10,897	4,262	2017-09-14 14:19
211,667	54,893	0,369	0,390	5193,165	5635,351	91,586	7,643	509,966	5,437	10,731	4,229	2017-09-14 14:19
211,834	54,894	0,369	0,390	5209,280	5631,569	93,257	7,653	509,965	5,589	10,857	4,254	2017-09-14 14:19
212,000	54,897	0,369	0,390	5212,892	5587,392	93,695	8,025	509,946	5,600	10,676	4,218	2017-09-14 14:19

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
212,167	0,214	0,536	0,520	0,141	0,281	60,699	20,041	22,886	21,316	21,184	21,380	20,856	21,765	20,447	70,060	56,627	66,582
212,334	0,215	0,537	0,519	0,132	0,274	60,705	20,019	22,882	21,323	21,194	21,336	20,867	21,769	20,449	70,032	56,637	66,591
212,500	0,213	0,537	0,520	0,135	0,274	60,742	20,004	22,873	21,317	21,199	21,331	20,857	21,766	20,445	69,967	56,645	66,587
212,667	0,212	0,538	0,519	0,140	0,269	60,718	20,008	22,864	21,319	21,199	21,323	20,873	21,773	20,448	69,948	56,655	66,580
212,834	0,210	0,540	0,519	0,139	0,274	60,748	20,028	22,857	21,311	21,204	21,336	20,879	21,769	20,448	70,157	56,658	66,610
213,000	0,211	0,559	0,520	0,132	0,270	60,718	20,009	22,874	21,320	21,195	21,354	20,853	21,769	20,449	70,204	56,666	66,637
213,167	0,210	0,587	0,519	0,134	0,273	60,682	20,029	22,859	21,332	21,212	21,348	20,867	21,783	20,451	70,156	56,666	66,656
213,334	0,211	0,610	0,519	0,134	0,268	60,693	20,011	22,872	21,319	21,205	21,333	20,859	21,766	20,447	70,323	56,662	66,658
213,500	0,211	0,611	0,519	0,141	0,269	60,693	20,021	22,874	21,311	21,196	21,367	20,863	21,777	20,449	70,110	56,670	66,700
213,667	0,212	0,593	0,519	0,147	0,275	60,645	20,021	22,871	21,325	21,207	21,337	20,879	21,782	20,451	70,188	56,673	66,745
213,833	0,211	0,568	0,519	0,141	0,279	60,579	20,022	22,897	21,314	21,183	21,349	20,875	21,775	20,449	70,195	56,680	66,739
214,000	0,214	0,545	0,519	0,140	0,270	60,556	19,998	22,878	21,307	21,211	21,361	20,871	21,773	20,447	70,492	56,686	66,770
214,167	0,215	0,532	0,519	0,145	0,277	60,619	20,021	22,871	21,319	21,203	21,367	20,877	21,783	20,453	70,405	56,696	66,773
214,333	0,215	0,524	0,519	0,145	0,274	60,650	19,995	22,877	21,318	21,194	21,346	20,865	21,778	20,451	70,384	56,697	66,781
214,500	0,214	0,519	0,519	0,135	0,270	60,621	20,006	22,848	21,325	21,208	21,325	20,874	21,779	20,452	70,407	56,711	66,815
214,667	0,213	0,528	0,519	0,142	0,274	60,645	20,008	22,834	21,312	21,200	21,340	20,866	21,781	20,448	70,368	56,712	66,897
214,833	0,214	0,531	0,519	0,139	0,267	60,659	20,036	22,850	21,306	21,196	21,367	20,853	21,773	20,449	70,289	56,719	66,916
215,000	0,214	0,522	0,519	0,140	0,268	60,598	20,009	22,835	21,304	21,207	21,338	20,874	21,779	20,448	70,342	56,724	66,943
215,167	0,212	0,527	0,519	0,134	0,279	60,630	19,994	22,826	21,318	21,203	21,329	20,860	21,781	20,452	70,315	56,731	66,952
215,333	0,211	0,542	0,520	0,129	0,278	60,597	19,948	22,833	21,306	21,198	21,371	20,867	21,790	20,449	70,257	56,736	66,940
215,500	0,212	0,549	0,519	0,137	0,272	60,644	20,024	22,830	21,314	21,199	21,340	20,869	21,769	20,451	70,217	56,743	66,915
215,667	0,210	0,561	0,519	0,139	0,276	60,643	19,928	22,829	21,322	21,203	21,327	20,879	21,779	20,451	70,176	56,749	66,923
215,833	0,209	0,560	0,519	0,137	0,280	60,648	19,871	22,802	21,312	21,196	21,385	20,880	21,782	20,451	70,394	56,752	66,900
216,000	0,209	0,561	0,519	0,142	0,276	60,629	19,823	22,802	21,320	21,215	21,349	20,865	21,786	20,455	70,411	56,754	66,879
216,167	0,208	0,566	0,519	0,146	0,273	60,651	19,985	22,795	21,318	21,211	21,335	20,871	21,783	20,451	70,455	56,756	66,862
216,333	0,210	0,574	0,519	0,138	0,269	60,602	20,023	22,781	21,312	21,202	21,349	20,878	21,778	20,453	70,512	56,754	66,892
216,500	0,212	0,574	0,519	0,141	0,273	60,616	20,003	22,790	21,318	21,205	21,372	20,895	21,773	20,451	70,455	56,754	66,920
216,667	0,211	0,562	0,519	0,140	0,268	60,634	19,999	22,786	21,325	21,194	21,366	20,895	21,783	20,452	70,302	56,755	66,960
216,833	0,211	0,550	0,519	0,140	0,262	60,540	20,004	22,799	21,319	21,211	21,335	20,880	21,790	20,455	70,361	56,756	67,001

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
212,167	54,898	0,370	0,390	5220,778	5695,114	94,512	8,404	509,966	5,620	11,245	4,329	2017-09-14 14:19
212,334	54,900	0,370	0,390	5226,403	5672,866	101,214	8,436	509,824	5,293	10,973	4,277	2017-09-14 14:19
212,500	54,898	0,369	0,390	5218,108	5636,009	89,675	8,437	509,966	5,420	10,955	4,273	2017-09-14 14:20
212,667	54,900	0,370	0,390	5215,661	5624,754	83,393	8,442	509,824	5,593	10,767	4,236	2017-09-14 14:20
212,834	54,901	0,370	0,390	5232,548	5715,871	72,706	8,494	509,824	5,555	10,949	4,272	2017-09-14 14:20
213,000	54,906	0,370	0,390	5246,958	5736,817	74,169	8,983	509,966	5,265	10,792	4,241	2017-09-14 14:20
213,167	54,912	0,370	0,390	5251,631	5709,014	69,576	9,667	509,824	5,372	10,921	4,266	2017-09-14 14:20
213,334	54,916	0,370	0,390	5247,627	5788,252	74,179	10,247	509,824	5,354	10,718	4,227	2017-09-14 14:20
213,500	54,918	0,370	0,391	5270,745	5692,248	79,005	10,284	509,824	5,649	10,755	4,234	2017-09-14 14:21
213,667	54,920	0,370	0,390	5288,665	5726,525	85,930	9,817	509,824	5,871	11,010	4,284	2017-09-14 14:21
213,833	54,922	0,370	0,390	5284,729	5730,908	79,429	9,212	509,824	5,637	11,176	4,316	2017-09-14 14:21
214,000	54,921	0,370	0,390	5296,107	5844,508	94,887	8,625	509,824	5,597	10,816	4,246	2017-09-14 14:21
214,167	54,922	0,370	0,390	5291,559	5803,966	102,691	8,304	509,823	5,792	11,092	4,300	2017-09-14 14:21
214,333	54,924	0,370	0,389	5288,224	5794,829	99,327	8,097	509,824	5,795	10,971	4,276	2017-09-14 14:21
214,500	54,927	0,370	0,390	5309,275	5800,166	98,281	7,985	509,823	5,407	10,781	4,239	2017-09-14 14:22
214,667	54,928	0,370	0,390	5345,095	5784,583	89,043	8,207	509,823	5,698	10,953	4,273	2017-09-14 14:22
214,833	54,927	0,370	0,390	5361,390	5751,837	95,773	8,264	509,823	5,561	10,692	4,221	2017-09-14 14:22
215,000	54,932	0,370	0,390	5367,572	5769,907	95,603	8,042	509,823	5,590	10,702	4,223	2017-09-14 14:22
215,167	54,935	0,370	0,390	5368,520	5761,948	82,153	8,176	509,823	5,365	11,151	4,311	2017-09-14 14:22
215,333	54,940	0,370	0,390	5363,623	5731,630	77,956	8,557	509,965	5,159	11,132	4,307	2017-09-14 14:22
215,500	54,940	0,370	0,390	5354,774	5710,664	81,507	8,735	509,729	5,491	10,886	4,260	2017-09-14 14:23
215,667	54,944	0,370	0,390	5351,912	5687,433	68,092	9,020	509,823	5,580	11,043	4,290	2017-09-14 14:23
215,833	54,944	0,370	0,390	5344,596	5784,035	66,198	8,994	509,730	5,470	11,202	4,321	2017-09-14 14:23
216,000	54,949	0,371	0,390	5331,958	5794,752	65,163	9,018	509,730	5,682	11,040	4,290	2017-09-14 14:23
216,167	54,945	0,371	0,390	5325,393	5811,913	58,454	9,152	509,730	5,829	10,932	4,269	2017-09-14 14:23
216,333	54,949	0,370	0,390	5336,843	5824,469	69,020	9,339	509,730	5,515	10,747	4,232	2017-09-14 14:23
216,500	54,952	0,370	0,390	5343,643	5803,004	80,458	9,360	509,730	5,657	10,938	4,270	2017-09-14 14:24
216,667	54,948	0,369	0,390	5361,238	5730,036	79,620	9,060	509,730	5,581	10,716	4,226	2017-09-14 14:24
216,833	54,953	0,370	0,390	5384,436	5764,756	77,317	8,759	509,730	5,592	10,462	4,176	2017-09-14 14:24

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
217,000	0,212	0,542	0,519	0,138	0,273	60,458	20,024	22,804	21,314	21,200	21,328	20,888	21,794	20,455	70,698	56,756	67,012
217,167	0,212	0,534	0,519	0,138	0,270	60,454	20,033	22,808	21,324	21,229	21,352	20,871	21,785	20,453	70,525	56,764	66,998
217,334	0,212	0,527	0,519	0,136	0,274	60,486	20,042	22,826	21,327	21,209	21,352	20,892	21,785	20,455	70,543	56,771	66,967
217,500	0,212	0,520	0,519	0,145	0,268	60,479	20,051	22,796	21,324	21,212	21,337	20,883	21,796	20,455	70,510	56,774	66,981
217,667	0,211	0,522	0,519	0,131	0,280	60,516	20,049	22,789	21,337	21,204	21,329	20,878	21,781	20,456	70,462	56,776	67,040
217,834	0,211	0,534	0,519	0,145	0,266	60,562	20,044	22,823	21,335	21,219	21,387	20,890	21,791	20,460	70,417	56,782	67,056
218,000	0,210	0,545	0,519	0,137	0,271	60,528	20,076	22,843	21,333	21,236	21,360	20,891	21,793	20,459	70,502	56,787	67,059
218,167	0,213	0,539	0,519	0,134	0,274	60,462	20,061	22,825	21,346	21,209	21,346	20,874	21,790	20,456	70,486	56,790	67,049
218,334	0,214	0,527	0,519	0,146	0,262	60,484	20,037	22,815	21,314	21,209	21,332	20,875	21,796	20,455	70,436	56,796	67,030
218,500	0,214	0,517	0,518	0,143	0,279	60,510	20,031	22,837	21,332	21,213	21,363	20,887	21,806	20,459	70,397	56,799	67,033
218,667	0,212	0,511	0,519	0,137	0,280	60,534	20,038	22,856	21,322	21,209	21,384	20,895	21,795	20,459	70,508	56,795	67,060
218,834	0,211	0,519	0,519	0,147	0,265	60,561	20,034	22,862	21,332	21,217	21,349	20,874	21,802	20,461	70,396	56,795	67,049
219,000	0,210	0,520	0,519	0,148	0,275	60,534	20,031	22,823	21,323	21,212	21,339	20,887	21,807	20,465	70,483	56,805	67,039
219,167	0,210	0,528	0,519	0,140	0,277	60,530	20,020	22,824	21,328	21,213	21,380	20,883	21,798	20,463	70,458	56,807	67,045
219,334	0,209	0,534	0,519	0,135	0,272	60,549	20,044	22,817	21,317	21,217	21,374	20,892	21,791	20,461	70,628	56,806	67,039
219,500	0,208	0,542	0,519	0,135	0,273	60,569	20,016	22,829	21,340	21,208	21,363	20,888	21,795	20,461	70,706	56,813	67,014
219,667	0,208	0,555	0,519	0,145	0,275	60,581	20,008	22,854	21,328	21,199	21,322	20,898	21,800	20,461	70,584	56,811	67,014
219,834	0,209	0,559	0,519	0,137	0,270	60,597	20,006	22,819	21,318	21,213	21,374	20,888	21,812	20,463	70,471	56,811	67,002
220,000	0,209	0,555	0,519	0,148	0,272	60,561	20,016	22,804	21,332	21,224	21,378	20,887	21,785	20,461	70,493	56,815	67,067
220,167	0,208	0,544	0,519	0,144	0,276	60,563	20,011	22,803	21,335	21,211	21,341	20,900	21,811	20,468	70,819	56,814	67,115
220,333	0,210	0,532	0,518	0,139	0,276	60,596	20,019	22,769	21,326	21,200	21,360	20,895	21,808	20,461	70,568	56,818	67,115
220,500	0,213	0,520	0,518	0,143	0,275	60,611	20,006	22,774	21,330	21,210	21,369	20,891	21,790	20,463	70,586	56,829	67,113
220,667	0,215	0,515	0,519	0,149	0,270	60,616	19,994	22,807	21,328	21,216	21,377	20,882	21,816	20,467	70,492	56,842	67,109
220,833	0,212	0,524	0,518	0,130	0,268	60,604	20,010	22,810	21,338	21,226	21,366	20,918	21,815	20,479	70,345	56,848	67,144
221,000	0,210	0,533	0,519	0,137	0,275	60,586	20,001	22,804	21,321	21,202	21,343	20,902	21,810	20,468	70,537	56,854	67,159
221,167	0,209	0,549	0,518	0,137	0,270	60,559	19,993	22,816	21,331	21,219	21,365	20,894	21,814	20,467	70,694	56,860	67,149
221,333	0,208	0,562	0,518	0,142	0,274	60,561	19,988	22,817	21,339	21,207	21,369	20,898	21,812	20,467	70,717	56,862	67,109
221,500	0,208	0,570	0,518	0,141	0,273	60,549	19,989	22,825	21,324	21,223	21,353	20,908	21,818	20,468	70,668	56,865	67,074
221,667	0,209	0,549	0,519	0,142	0,270	60,509	20,001	22,803	21,336	21,219	21,366	20,908	21,810	20,471	70,727	56,870	67,102

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
217,000	54,957	0,370	0,390	5383,424	5903,116	81,920	8,561	509,730	5,528	10,932	4,268	2017-09-14 14:24
217,167	54,961	0,370	0,390	5380,833	5827,542	81,086	8,349	509,730	5,516	10,809	4,244	2017-09-14 14:24
217,334	54,964	0,370	0,390	5364,604	5831,116	80,499	8,177	509,730	5,455	10,978	4,277	2017-09-14 14:24
217,500	54,964	0,370	0,390	5373,519	5820,159	81,295	7,994	509,730	5,807	10,726	4,228	2017-09-14 14:25
217,667	54,969	0,370	0,390	5392,947	5797,099	75,635	8,045	509,730	5,252	11,190	4,319	2017-09-14 14:25
217,834	54,973	0,370	0,390	5398,715	5771,531	74,596	8,353	509,730	5,811	10,658	4,215	2017-09-14 14:25
218,000	54,976	0,369	0,390	5401,007	5800,948	73,536	8,632	509,730	5,460	10,831	4,249	2017-09-14 14:25
218,167	54,976	0,369	0,390	5390,132	5792,372	86,496	8,471	509,730	5,348	10,952	4,272	2017-09-14 14:25
218,334	54,976	0,369	0,390	5381,695	5765,524	92,837	8,173	509,730	5,823	10,465	4,176	2017-09-14 14:25
218,500	54,980	0,369	0,390	5385,120	5750,350	98,587	7,921	509,636	5,730	11,166	4,314	2017-09-14 14:26
218,667	54,981	0,370	0,390	5396,037	5802,124	80,273	7,772	509,730	5,477	11,204	4,321	2017-09-14 14:26
218,834	54,988	0,369	0,390	5391,378	5752,451	76,639	7,976	509,729	5,870	10,590	4,201	2017-09-14 14:26
219,000	54,991	0,370	0,390	5384,800	5789,768	71,876	7,996	509,729	5,907	10,997	4,281	2017-09-14 14:26
219,167	54,999	0,370	0,390	5383,339	5780,673	68,311	8,191	509,730	5,599	11,068	4,295	2017-09-14 14:26
219,334	55,001	0,370	0,390	5380,534	5852,825	62,856	8,346	509,729	5,410	10,882	4,259	2017-09-14 14:26
219,500	55,001	0,370	0,390	5370,881	5878,584	57,199	8,542	509,729	5,393	10,936	4,269	2017-09-14 14:27
219,667	55,006	0,370	0,390	5371,680	5828,754	60,959	8,868	509,729	5,790	11,010	4,284	2017-09-14 14:27
219,834	55,010	0,370	0,391	5364,984	5784,282	66,845	8,972	509,730	5,478	10,781	4,239	2017-09-14 14:27
220,000	55,012	0,370	0,391	5393,066	5796,916	64,322	8,866	509,730	5,917	10,887	4,260	2017-09-14 14:27
220,167	55,020	0,370	0,390	5405,590	5938,412	60,142	8,598	509,730	5,743	11,054	4,292	2017-09-14 14:27
220,333	55,020	0,371	0,391	5412,926	5836,511	68,936	8,305	509,636	5,556	11,038	4,289	2017-09-14 14:27
220,500	55,023	0,371	0,390	5406,144	5835,493	86,850	7,994	509,637	5,720	10,989	4,280	2017-09-14 14:28
220,667	55,024	0,370	0,390	5399,894	5787,402	103,517	7,871	509,730	5,969	10,783	4,239	2017-09-14 14:28
220,833	55,031	0,370	0,390	5410,266	5721,249	79,947	8,088	509,636	5,202	10,737	4,230	2017-09-14 14:28
221,000	55,034	0,370	0,390	5417,441	5794,340	68,724	8,317	509,730	5,469	10,997	4,281	2017-09-14 14:28
221,167	55,038	0,370	0,390	5412,836	5865,739	61,181	8,731	509,636	5,466	10,796	4,242	2017-09-14 14:28
221,333	55,044	0,371	0,390	5392,077	5878,615	55,097	9,054	509,636	5,697	10,972	4,276	2017-09-14 14:28
221,500	55,060	0,371	0,391	5374,065	5859,385	55,931	9,250	509,636	5,644	10,913	4,265	2017-09-14 14:29
221,667	55,080	0,371	0,391	5378,039	5883,662	65,726	8,722	509,730	5,664	10,803	4,243	2017-09-14 14:29

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
221,833	0,212	0,508	0,518	0,147	0,274	60,518	19,990	22,776	21,324	21,199	21,378	20,902	21,806	20,464	70,687	56,876	67,142
222,000	0,215	0,477	0,518	0,143	0,265	60,549	19,990	22,777	21,311	21,211	21,352	20,888	21,803	20,461	70,742	56,878	67,183
222,167	0,217	0,457	0,518	0,139	0,276	60,515	20,007	22,782	21,323	21,208	21,348	20,896	21,805	20,468	70,632	56,886	67,221
222,333	0,218	0,449	0,519	0,140	0,271	60,462	19,982	22,794	21,302	21,194	21,344	20,900	21,815	20,463	70,605	56,896	67,247
222,500	0,217	0,461	0,518	0,136	0,268	60,462	19,992	22,778	21,323	21,216	21,366	20,891	21,807	20,469	70,486	56,908	67,242
222,667	0,215	0,479	0,518	0,139	0,271	60,411	19,969	22,763	21,327	21,214	21,354	20,905	21,810	20,465	70,346	56,927	67,257
222,833	0,213	0,486	0,518	0,142	0,269	60,385	19,981	22,770	21,314	21,197	21,353	20,894	21,812	20,464	70,409	56,940	67,260
223,000	0,214	0,490	0,518	0,139	0,274	60,367	19,962	22,773	21,328	21,208	21,335	20,896	21,828	20,471	70,363	56,959	67,227
223,167	0,215	0,488	0,518	0,144	0,274	60,385	19,961	22,773	21,322	21,204	21,363	20,904	21,803	20,461	70,456	56,966	67,175
223,333	0,220	0,480	0,518	0,143	0,274	60,409	19,964	22,785	21,319	21,206	21,353	20,904	21,811	20,471	70,381	56,970	67,109
223,500	0,220	0,476	0,518	0,145	0,271	60,420	19,958	22,791	21,318	21,208	21,338	20,895	21,824	20,467	70,428	56,984	67,076
223,667	0,216	0,484	0,518	0,140	0,272	60,425	19,981	22,798	21,315	21,210	21,382	20,895	21,806	20,469	70,319	56,987	67,059
223,833	0,213	0,495	0,518	0,140	0,270	60,415	19,994	22,793	21,333	21,226	21,384	20,911	21,821	20,484	70,306	56,991	67,057
224,000	0,211	0,505	0,518	0,138	0,274	60,361	19,986	22,768	21,336	21,208	21,348	20,904	21,815	20,469	70,415	56,983	67,043
224,167	0,212	0,509	0,518	0,142	0,263	60,335	19,998	22,804	21,331	21,211	21,364	20,896	21,807	20,465	70,409	56,976	67,033
224,334	0,212	0,500	0,518	0,144	0,263	60,387	20,036	22,816	21,339	21,214	21,373	20,921	21,811	20,472	70,369	56,976	67,004
224,500	0,214	0,490	0,518	0,145	0,271	60,352	20,028	22,817	21,332	21,211	21,347	20,900	21,815	20,464	70,277	56,979	66,977
224,667	0,217	0,476	0,518	0,147	0,273	60,402	20,028	22,838	21,336	21,210	21,338	20,906	21,828	20,467	70,328	56,987	66,991
224,834	0,217	0,465	0,518	0,147	0,268	60,411	20,029	22,812	21,331	21,203	21,356	20,887	21,815	20,467	70,253	56,991	67,009
225,000	0,217	0,463	0,518	0,141	0,272	60,424	20,042	22,836	21,332	21,202	21,369	20,902	21,810	20,465	70,169	56,999	67,013
225,167	0,215	0,470	0,518	0,144	0,263	60,475	20,024	22,813	21,326	21,208	21,362	20,905	21,816	20,464	70,182	57,002	66,986
225,334	0,214	0,485	0,518	0,146	0,260	60,442	20,007	22,833	21,323	21,219	21,361	20,902	21,821	20,463	70,027	56,999	66,978
225,500	0,214	0,491	0,518	0,137	0,272	60,442	20,007	22,804	21,339	21,208	21,354	20,899	21,810	20,465	70,064	57,009	66,941
225,667	0,212	0,504	0,518	0,138	0,268	60,459	19,999	22,793	21,344	21,219	21,332	20,900	21,832	20,465	70,126	57,005	66,909
225,834	0,211	0,526	0,518	0,144	0,266	60,449	19,995	22,829	21,347	21,218	21,366	20,902	21,810	20,469	70,167	56,999	66,882
226,000	0,210	0,543	0,518	0,134	0,272	60,490	20,020	22,851	21,334	21,228	21,358	20,900	21,838	20,467	70,308	56,994	66,835
226,167	0,209	0,551	0,518	0,135	0,268	60,448	20,021	22,859	21,330	21,219	21,353	20,895	21,814	20,464	70,211	56,986	66,817
226,334	0,209	0,548	0,518	0,134	0,263	60,424	20,042	22,876	21,351	21,231	21,338	20,904	21,825	20,469	70,238	56,983	66,816
226,500	0,208	0,539	0,518	0,133	0,267	60,457	20,029	22,847	21,348	21,227	21,345	20,908	21,823	20,468	70,303	56,974	66,827

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
221,833	55,098	0,371	0,390	5383,091	5860,291	82,045	7,689	509,636	5,881	10,965	4,275	2017-09-14 14:29
222,000	55,117	0,371	0,390	5388,050	5883,189	103,361	6,930	509,637	5,732	10,591	4,201	2017-09-14 14:29
222,167	55,127	0,370	0,390	5403,061	5825,442	114,646	6,429	509,636	5,574	11,056	4,293	2017-09-14 14:29
222,333	55,137	0,371	0,390	5407,941	5815,421	117,596	6,235	509,721	5,605	10,859	4,254	2017-09-14 14:29
222,500	55,142	0,370	0,390	5401,708	5758,366	116,345	6,524	509,636	5,452	10,730	4,229	2017-09-14 14:30
222,667	55,149	0,370	0,390	5406,208	5687,079	99,824	6,986	509,636	5,557	10,851	4,253	2017-09-14 14:30
222,833	55,157	0,371	0,390	5407,843	5717,341	86,764	7,162	509,636	5,682	10,752	4,233	2017-09-14 14:30
223,000	55,162	0,371	0,390	5388,696	5691,165	98,302	7,253	509,636	5,562	10,973	4,276	2017-09-14 14:30
223,167	55,165	0,371	0,390	5365,732	5723,997	103,177	7,201	509,636	5,765	10,960	4,274	2017-09-14 14:30
223,333	55,166	0,371	0,390	5336,136	5692,709	130,375	6,992	509,636	5,707	10,978	4,277	2017-09-14 14:30
223,500	55,176	0,370	0,390	5318,659	5696,376	130,184	6,908	509,636	5,793	10,854	4,253	2017-09-14 14:31
223,667	55,185	0,370	0,390	5301,987	5653,268	109,018	7,092	509,636	5,591	10,875	4,257	2017-09-14 14:31
223,833	55,200	0,370	0,390	5295,091	5639,626	87,434	7,374	509,636	5,583	10,810	4,245	2017-09-14 14:31
224,000	55,210	0,370	0,390	5284,518	5695,029	75,006	7,621	509,636	5,509	10,959	4,274	2017-09-14 14:31
224,167	55,218	0,370	0,390	5275,604	5692,727	83,501	7,721	509,636	5,668	10,510	4,185	2017-09-14 14:31
224,334	55,225	0,370	0,389	5254,143	5677,122	83,595	7,495	509,636	5,766	10,504	4,184	2017-09-14 14:31
224,500	55,228	0,370	0,390	5243,776	5638,412	95,769	7,253	509,636	5,807	10,832	4,249	2017-09-14 14:32
224,667	55,226	0,370	0,390	5249,305	5654,820	113,361	6,904	509,636	5,869	10,932	4,269	2017-09-14 14:32
224,834	55,220	0,370	0,390	5263,220	5619,786	113,632	6,626	509,636	5,868	10,713	4,226	2017-09-14 14:32
225,000	55,208	0,370	0,390	5268,185	5581,286	114,215	6,575	509,636	5,634	10,863	4,255	2017-09-14 14:32
225,167	55,197	0,370	0,389	5256,691	5580,634	100,384	6,759	509,636	5,748	10,516	4,187	2017-09-14 14:32
225,334	55,188	0,370	0,389	5253,549	5513,904	97,229	7,128	509,636	5,832	10,413	4,166	2017-09-14 14:32
225,500	55,190	0,370	0,390	5244,072	5525,333	94,717	7,264	509,636	5,497	10,881	4,259	2017-09-14 14:33
225,667	55,193	0,370	0,389	5225,553	5552,928	85,082	7,612	509,603	5,537	10,711	4,225	2017-09-14 14:33
225,834	55,201	0,370	0,390	5213,621	5579,206	73,964	8,139	509,542	5,763	10,638	4,211	2017-09-14 14:33
226,000	55,202	0,370	0,389	5187,750	5641,503	67,671	8,581	509,542	5,352	10,897	4,262	2017-09-14 14:33
226,167	55,192	0,370	0,390	5187,789	5605,284	63,047	8,783	509,542	5,381	10,702	4,223	2017-09-14 14:33
226,334	55,181	0,370	0,389	5188,933	5615,437	62,220	8,691	509,542	5,380	10,503	4,184	2017-09-14 14:33
226,500	55,170	0,370	0,390	5201,603	5648,375	60,121	8,477	509,542	5,331	10,685	4,220	2017-09-14 14:34

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
226,667	0,210	0,537	0,518	0,143	0,269	60,505	20,044	22,846	21,351	21,223	21,381	20,904	21,816	20,468	70,310	56,971	66,855
226,834	0,209	0,546	0,518	0,141	0,258	60,521	20,032	22,863	21,347	21,212	21,349	20,903	21,812	20,468	70,173	56,974	66,879
227,000	0,209	0,557	0,518	0,137	0,261	60,512	20,094	22,835	21,356	21,233	21,357	20,936	21,833	20,479	70,330	56,970	66,912
227,167	0,209	0,568	0,518	0,142	0,271	60,500	20,079	22,858	21,348	21,231	21,366	20,928	21,823	20,475	70,350	56,963	66,944
227,333	0,213	0,567	0,518	0,138	0,271	60,438	20,078	22,862	21,356	21,235	21,375	20,902	21,835	20,475	70,575	56,959	66,954
227,500	0,216	0,541	0,518	0,145	0,273	60,420	20,032	22,827	21,331	21,223	21,358	20,908	21,823	20,468	70,481	56,956	66,935
227,667	0,215	0,511	0,518	0,143	0,277	60,434	20,036	22,855	21,347	21,232	21,355	20,904	21,833	20,472	70,408	56,951	66,939
227,833	0,215	0,501	0,518	0,139	0,269	60,434	20,036	22,853	21,339	21,237	21,349	20,917	21,810	20,469	70,324	56,942	66,956
228,000	0,214	0,498	0,518	0,134	0,269	60,442	20,033	22,857	21,356	21,219	21,366	20,910	21,831	20,471	70,235	56,933	67,014
228,167	0,213	0,504	0,518	0,135	0,272	60,394	20,053	22,853	21,347	21,240	21,358	20,915	21,819	20,472	70,187	56,932	67,030
228,333	0,213	0,516	0,518	0,137	0,269	60,396	20,052	22,863	21,349	21,240	21,362	20,913	21,831	20,471	70,198	56,925	67,026
228,500	0,218	0,518	0,518	0,144	0,277	60,425	20,046	22,851	21,351	21,237	21,348	20,904	21,833	20,472	70,178	56,935	66,995
228,667	0,214	0,509	0,518	0,141	0,278	60,439	20,047	22,820	21,370	21,237	21,366	20,923	21,824	20,475	70,226	56,935	66,952
228,833	0,219	0,514	0,518	0,142	0,273	60,412	20,055	22,830	21,360	21,249	21,361	20,916	21,836	20,483	70,112	56,943	66,908
229,000	0,216	0,531	0,518	0,138	0,264	60,357	20,048	22,845	21,359	21,241	21,349	20,914	21,824	20,475	70,133	56,942	66,890
229,167	0,213	0,547	0,518	0,130	0,275	60,346	20,045	22,827	21,349	21,231	21,353	20,913	21,832	20,473	70,157	56,932	66,888
229,333	0,213	0,559	0,518	0,138	0,281	60,354	20,052	22,823	21,354	21,238	21,360	20,907	21,825	20,467	70,285	56,913	66,885
229,500	0,210	0,569	0,518	0,140	0,270	60,376	20,056	22,853	21,361	21,231	21,353	20,916	21,816	20,475	70,323	56,904	66,866
229,667	0,210	0,575	0,517	0,131	0,270	60,382	20,050	22,832	21,357	21,236	21,335	20,917	21,841	20,471	70,500	56,893	66,839
229,833	0,210	0,583	0,517	0,135	0,276	60,390	20,088	22,865	21,370	21,246	21,362	20,923	21,839	20,476	70,401	56,877	66,853
230,000	0,208	0,592	0,517	0,135	0,276	60,390	20,084	22,851	21,362	21,231	21,369	20,915	21,831	20,473	70,399	56,860	66,893
230,167	0,209	0,584	0,517	0,140	0,274	60,402	20,137	22,862	21,367	21,247	21,347	20,920	21,834	20,487	70,415	56,835	66,937
230,333	0,210	0,566	0,518	0,139	0,270	60,394	20,146	22,829	21,355	21,229	21,335	20,913	21,829	20,473	70,512	56,819	66,978
230,500	0,211	0,541	0,517	0,140	0,274	60,396	20,188	22,828	21,364	21,233	21,375	20,920	21,836	20,473	70,485	56,818	66,989
230,667	0,211	0,521	0,517	0,146	0,267	60,375	20,222	22,810	21,369	21,233	21,362	20,923	21,833	20,475	70,506	56,806	66,979
230,833	0,213	0,506	0,518	0,136	0,280	60,339	20,235	22,828	21,373	21,228	21,338	20,924	21,831	20,475	70,535	56,805	67,009
231,000	0,215	0,498	0,517	0,141	0,275	60,314	20,216	22,823	21,370	21,229	21,369	20,921	21,839	20,476	70,330	56,803	67,035
231,167	0,217	0,484	0,517	0,137	0,262	60,341	20,124	22,824	21,364	21,235	21,369	20,917	21,826	20,475	70,345	56,792	67,053
231,334	0,217	0,465	0,517	0,140	0,273	60,332	20,142	22,797	21,357	21,233	21,326	20,923	21,844	20,473	70,368	56,783	67,057

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
226,667	55,154	0,370	0,390	5221,763	5649,927	67,466	8,416	509,542	5,731	10,763	4,235	2017-09-14 14:34
226,834	55,141	0,370	0,390	5242,004	5595,740	62,654	8,641	509,542	5,643	10,320	4,147	2017-09-14 14:34
227,000	55,130	0,370	0,390	5257,528	5666,239	63,064	8,918	509,542	5,464	10,421	4,167	2017-09-14 14:34
227,167	55,119	0,370	0,389	5275,404	5671,449	61,688	9,202	509,542	5,664	10,848	4,252	2017-09-14 14:34
227,333	55,113	0,370	0,389	5276,618	5765,698	91,708	9,180	509,542	5,515	10,832	4,249	2017-09-14 14:34
227,500	55,111	0,370	0,389	5267,630	5725,537	108,434	8,520	509,542	5,781	10,904	4,263	2017-09-14 14:35
227,667	55,115	0,370	0,389	5269,661	5696,421	101,228	7,776	509,636	5,712	11,067	4,295	2017-09-14 14:35
227,833	55,117	0,370	0,389	5278,258	5671,261	103,962	7,517	509,542	5,572	10,776	4,238	2017-09-14 14:35
228,000	55,114	0,370	0,389	5309,123	5631,719	97,899	7,459	509,542	5,370	10,770	4,237	2017-09-14 14:35
228,167	55,107	0,370	0,389	5313,304	5617,336	87,184	7,611	509,542	5,394	10,876	4,258	2017-09-14 14:35
228,333	55,098	0,370	0,389	5315,376	5620,655	89,279	7,894	509,542	5,464	10,742	4,231	2017-09-14 14:35
228,500	55,090	0,370	0,389	5304,624	5608,457	118,437	7,952	509,542	5,764	11,092	4,300	2017-09-14 14:36
228,667	55,074	0,370	0,389	5295,124	5635,588	95,571	7,734	509,542	5,631	11,118	4,305	2017-09-14 14:36
228,833	55,058	0,370	0,389	5287,324	5584,117	129,287	7,855	509,542	5,695	10,931	4,268	2017-09-14 14:36
229,000	55,027	0,370	0,390	5295,346	5590,469	107,339	8,285	509,542	5,523	10,580	4,199	2017-09-14 14:36
229,167	54,999	0,370	0,389	5300,415	5607,193	90,141	8,675	509,542	5,191	11,007	4,283	2017-09-14 14:36
229,333	54,979	0,370	0,389	5307,685	5665,198	90,627	8,968	509,542	5,537	11,226	4,325	2017-09-14 14:36
229,500	54,967	0,370	0,389	5301,213	5684,257	67,758	9,223	509,543	5,603	10,803	4,243	2017-09-14 14:37
229,667	54,956	0,370	0,389	5299,686	5768,093	68,085	9,386	509,449	5,222	10,812	4,245	2017-09-14 14:37
229,833	54,951	0,370	0,390	5311,012	5734,568	73,519	9,576	509,449	5,392	11,023	4,286	2017-09-14 14:37
230,000	54,941	0,370	0,389	5330,355	5742,408	60,952	9,798	509,449	5,413	11,031	4,288	2017-09-14 14:37
230,167	54,933	0,370	0,389	5351,529	5750,388	63,679	9,611	509,449	5,587	10,957	4,273	2017-09-14 14:37
230,333	54,922	0,370	0,389	5374,405	5803,205	70,347	9,144	509,543	5,552	10,787	4,240	2017-09-14 14:37
230,500	54,913	0,370	0,389	5383,955	5791,954	74,155	8,518	509,449	5,583	10,947	4,271	2017-09-14 14:38
230,667	54,898	0,370	0,389	5386,679	5799,872	77,421	8,019	509,449	5,852	10,698	4,222	2017-09-14 14:38
230,833	54,880	0,370	0,389	5409,195	5820,183	87,174	7,645	509,542	5,454	11,210	4,322	2017-09-14 14:38
231,000	54,857	0,370	0,389	5428,835	5733,828	103,316	7,462	509,449	5,647	10,989	4,280	2017-09-14 14:38
231,167	54,837	0,370	0,389	5448,791	5743,400	114,636	7,112	509,449	5,473	10,497	4,183	2017-09-14 14:38
231,334	54,822	0,370	0,389	5457,547	5758,461	111,078	6,628	509,449	5,597	10,921	4,266	2017-09-14 14:38

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
231,500	0,218	0,450	0,517	0,145	0,277	60,386	20,122	22,793	21,372	21,231	21,329	20,924	21,828	20,477	70,234	56,774	67,035
231,667	0,220	0,440	0,517	0,138	0,276	60,348	20,162	22,792	21,365	21,239	21,360	20,920	21,853	20,480	70,079	56,768	66,991
231,834	0,219	0,443	0,517	0,137	0,277	60,367	20,189	22,792	21,361	21,232	21,368	20,917	21,833	20,476	70,240	56,751	66,951
232,000	0,219	0,459	0,518	0,137	0,267	60,370	20,212	22,789	21,370	21,256	21,339	20,923	21,841	20,477	70,122	56,733	66,931
232,167	0,215	0,477	0,517	0,137	0,269	60,419	20,195	22,775	21,368	21,245	21,336	20,921	21,839	20,479	69,919	56,723	66,888
232,334	0,214	0,497	0,517	0,143	0,277	60,386	20,168	22,776	21,359	21,253	21,346	20,925	21,835	20,481	70,233	56,713	66,851
232,500	0,214	0,500	0,518	0,135	0,278	60,450	20,176	22,792	21,385	21,252	21,361	20,929	21,840	20,485	70,070	56,705	66,842
232,667	0,213	0,498	0,517	0,140	0,272	60,452	20,179	22,789	21,374	21,265	21,351	20,935	21,853	20,488	70,223	56,697	66,813
232,834	0,216	0,486	0,517	0,146	0,273	60,427	20,198	22,784	21,380	21,266	21,334	20,945	21,848	20,489	70,137	56,681	66,761
233,000	0,219	0,460	0,517	0,147	0,274	60,405	20,207	22,789	21,374	21,249	21,381	20,933	21,840	20,481	69,984	56,673	66,761
233,167	0,220	0,445	0,517	0,139	0,275	60,395	20,177	22,772	21,373	21,260	21,331	20,935	21,845	20,483	70,027	56,668	66,769
233,334	0,223	0,439	0,517	0,140	0,269	60,343	20,177	22,779	21,386	21,252	21,361	20,929	21,841	20,487	69,979	56,655	66,776
233,500	0,226	0,441	0,517	0,141	0,263	60,300	20,210	22,797	21,374	21,261	21,355	20,943	21,849	20,489	70,024	56,653	66,758
233,667	0,221	0,450	0,517	0,135	0,269	60,283	20,184	22,797	21,387	21,253	21,327	20,927	21,853	20,480	69,957	56,635	66,706
233,833	0,222	0,460	0,517	0,132	0,278	60,329	20,189	22,799	21,377	21,256	21,360	20,925	21,837	20,481	69,938	56,622	66,680
234,000	0,222	0,470	0,517	0,138	0,280	60,312	20,180	22,803	21,369	21,237	21,352	20,925	21,832	20,480	70,039	56,615	66,667
234,167	0,224	0,468	0,517	0,140	0,272	60,240	20,194	22,811	21,378	21,248	21,326	20,922	21,843	20,483	69,996	56,600	66,644
234,333	0,228	0,456	0,517	0,142	0,271	60,281	20,211	22,822	21,390	21,260	21,359	20,944	21,840	20,483	70,047	56,602	66,625
234,500	0,229	0,448	0,517	0,142	0,271	60,265	20,275	22,811	21,394	21,254	21,339	20,922	21,844	20,483	69,924	56,602	66,606
234,667	0,228	0,445	0,517	0,141	0,274	60,309	20,207	22,845	21,384	21,269	21,339	20,948	21,844	20,488	69,849	56,604	66,629
234,833	0,228	0,451	0,517	0,140	0,271	60,279	20,160	22,849	21,402	21,273	21,384	20,931	21,848	20,489	69,861	56,611	66,638
235,000	0,226	0,466	0,517	0,141	0,268	60,305	20,188	22,861	21,394	21,261	21,342	20,927	21,845	20,484	69,718	56,618	66,646
235,167	0,220	0,478	0,517	0,139	0,269	60,284	20,206	22,861	21,385	21,267	21,330	20,942	21,840	20,484	69,574	56,621	66,626
235,333	0,216	0,487	0,517	0,133	0,267	60,255	20,206	22,858	21,394	21,266	21,373	20,929	21,848	20,487	69,554	56,627	66,599
235,500	0,214	0,495	0,517	0,136	0,276	60,232	20,207	22,843	21,394	21,269	21,341	20,946	21,858	20,489	69,637	56,623	66,549
235,667	0,217	0,498	0,517	0,139	0,280	60,247	20,201	22,852	21,407	21,260	21,342	20,935	21,841	20,487	69,678	56,617	66,502
235,833	0,220	0,484	0,517	0,139	0,275	60,199	20,206	22,845	21,406	21,265	21,338	20,943	21,844	20,488	69,427	56,613	66,440
236,000	0,219	0,478	0,517	0,139	0,270	60,133	20,213	22,839	21,408	21,282	21,341	20,935	21,842	20,491	69,577	56,611	66,405
236,167	0,217	0,486	0,517	0,143	0,275	60,137	20,217	22,845	21,402	21,270	21,346	20,948	21,870	20,493	69,538	56,603	66,386

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
231,500	54,817	0,370	0,389	5447,066	5699,214	122,599	6,248	509,449	5,785	11,085	4,298	2017-09-14 14:39
231,667	54,822	0,370	0,390	5432,139	5640,176	132,616	5,992	509,449	5,515	11,057	4,293	2017-09-14 14:39
231,834	54,827	0,370	0,389	5407,592	5717,890	128,141	6,085	509,449	5,487	11,064	4,294	2017-09-14 14:39
232,000	54,827	0,370	0,389	5399,985	5665,779	124,222	6,484	509,537	5,498	10,678	4,219	2017-09-14 14:39
232,167	54,826	0,370	0,389	5379,041	5583,622	100,345	6,919	509,449	5,474	10,776	4,238	2017-09-14 14:39
232,334	54,818	0,369	0,389	5361,185	5713,901	96,419	7,414	509,449	5,731	11,081	4,297	2017-09-14 14:39
232,500	54,813	0,369	0,389	5365,995	5649,868	93,066	7,510	509,542	5,384	11,117	4,305	2017-09-14 14:40
232,667	54,802	0,370	0,390	5361,115	5724,398	91,996	7,439	509,449	5,609	10,861	4,255	2017-09-14 14:40
232,834	54,787	0,370	0,390	5345,979	5697,572	106,603	7,142	509,449	5,829	10,911	4,264	2017-09-14 14:40
233,000	54,770	0,370	0,390	5352,582	5638,361	128,057	6,508	509,449	5,869	10,946	4,271	2017-09-14 14:40
233,167	54,756	0,371	0,390	5366,018	5666,840	134,343	6,133	509,395	5,565	11,011	4,284	2017-09-14 14:40
233,334	54,750	0,370	0,391	5381,279	5649,728	152,705	5,985	509,449	5,581	10,775	4,238	2017-09-14 14:40
233,500	54,752	0,370	0,390	5359,527	5664,459	167,277	6,016	509,449	5,654	10,532	4,190	2017-09-14 14:41
233,667	54,769	0,370	0,390	5328,843	5636,757	141,500	6,250	509,449	5,405	10,755	4,234	2017-09-14 14:41
233,833	54,793	0,370	0,390	5307,971	5638,813	147,337	6,498	509,449	5,279	11,121	4,305	2017-09-14 14:41
234,000	54,814	0,370	0,390	5294,384	5684,881	145,465	6,757	509,355	5,529	11,185	4,318	2017-09-14 14:41
234,167	54,825	0,370	0,390	5276,767	5672,884	155,384	6,709	509,449	5,593	10,864	4,255	2017-09-14 14:41
234,333	54,831	0,370	0,390	5273,547	5700,286	184,233	6,409	509,449	5,661	10,833	4,249	2017-09-14 14:41
234,500	54,834	0,370	0,391	5269,333	5641,119	190,956	6,199	509,449	5,694	10,854	4,253	2017-09-14 14:42
234,667	54,831	0,370	0,390	5271,089	5611,363	184,059	6,117	509,449	5,658	10,952	4,272	2017-09-14 14:42
234,833	54,817	0,370	0,390	5280,529	5609,336	182,819	6,270	509,449	5,589	10,831	4,249	2017-09-14 14:42
235,000	54,807	0,370	0,390	5287,497	5547,821	167,291	6,655	509,449	5,629	10,716	4,226	2017-09-14 14:42
235,167	54,799	0,370	0,390	5281,736	5487,949	132,237	6,955	509,449	5,574	10,753	4,233	2017-09-14 14:42
235,333	54,799	0,370	0,390	5274,287	5473,234	110,678	7,169	509,449	5,309	10,698	4,223	2017-09-14 14:42
235,500	54,802	0,370	0,390	5253,866	5509,984	94,067	7,374	509,449	5,447	11,047	4,291	2017-09-14 14:43
235,667	54,814	0,370	0,390	5227,663	5534,020	116,321	7,443	509,449	5,542	11,201	4,321	2017-09-14 14:43
235,833	54,834	0,370	0,390	5184,178	5426,765	131,629	7,105	509,449	5,567	11,011	4,284	2017-09-14 14:43
236,000	54,849	0,370	0,390	5159,903	5490,359	128,311	6,957	509,449	5,557	10,814	4,245	2017-09-14 14:43
236,167	54,860	0,370	0,390	5150,324	5481,246	111,168	7,142	509,355	5,707	10,986	4,279	2017-09-14 14:43

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
236,333	0,214	0,499	0,514	0,141	0,277	60,119	20,181	22,832	21,398	21,273	21,347	20,939	21,848	20,488	69,542	56,602	66,354
236,500	0,214	0,513	0,517	0,139	0,273	60,104	20,187	22,844	21,411	21,275	21,331	20,937	21,855	20,492	69,410	56,598	66,331
236,667	0,212	0,525	0,517	0,138	0,270	60,083	20,206	22,822	21,407	21,275	21,363	20,929	21,860	20,489	69,563	56,596	66,304
236,833	0,217	0,522	0,517	0,138	0,269	60,040	20,222	22,835	21,411	21,278	21,337	20,940	21,849	20,492	69,625	56,603	66,293
237,000	0,225	0,504	0,517	0,152	0,275	60,102	20,235	22,830	21,395	21,274	21,333	20,949	21,861	20,495	69,645	56,610	66,281
237,167	0,226	0,484	0,517	0,142	0,273	60,147	20,236	22,805	21,393	21,273	21,367	20,945	21,851	20,496	69,562	56,618	66,269
237,333	0,229	0,467	0,517	0,140	0,270	60,193	20,240	22,806	21,399	21,277	21,333	20,936	21,853	20,496	69,442	56,622	66,307
237,500	0,226	0,461	0,517	0,141	0,281	60,174	20,242	22,800	21,401	21,286	21,368	20,972	21,859	20,504	69,371	56,627	66,344
237,667	0,219	0,475	0,517	0,143	0,269	60,117	20,235	22,793	21,401	21,273	21,356	20,945	21,853	20,496	69,511	56,635	66,347
237,834	0,217	0,489	0,517	0,133	0,271	60,198	20,261	22,795	21,397	21,273	21,338	20,954	21,857	20,499	69,612	56,641	66,319
238,000	0,215	0,493	0,518	0,142	0,275	60,170	20,247	22,796	21,398	21,281	21,335	20,947	21,848	20,496	69,508	56,642	66,261
238,167	0,215	0,490	0,517	0,136	0,273	60,163	20,244	22,818	21,393	21,286	21,369	20,949	21,861	20,495	69,319	56,653	66,237
238,334	0,216	0,477	0,519	0,140	0,257	60,168	20,306	22,797	21,431	21,287	21,349	20,962	21,860	20,503	69,517	56,658	66,235
238,500	0,216	0,470	0,517	0,147	0,278	60,149	20,341	22,792	21,393	21,275	21,326	20,956	21,847	20,496	69,407	56,666	66,260
238,667	0,216	0,471	0,517	0,146	0,271	60,183	20,307	22,817	21,405	21,285	21,360	20,956	21,859	20,495	69,442	56,677	66,252
238,834	0,216	0,469	0,517	0,139	0,268	60,203	20,310	22,843	21,402	21,289	21,339	20,941	21,848	20,500	69,263	56,677	66,223
239,000	0,215	0,470	0,517	0,137	0,266	60,167	20,316	22,826	21,415	21,289	21,341	20,951	21,857	20,500	69,295	56,690	66,226
239,167	0,218	0,476	0,517	0,136	0,279	60,168	20,320	22,855	21,390	21,281	21,369	20,947	21,849	20,499	69,185	56,696	66,212
239,334	0,219	0,475	0,517	0,145	0,277	60,194	20,354	22,877	21,407	21,286	21,320	20,947	21,866	20,500	69,183	56,701	66,194
239,500	0,220	0,473	0,517	0,148	0,280	60,187	20,389	22,879	21,426	21,294	21,349	20,951	21,856	20,500	69,388	56,713	66,177
239,667	0,223	0,458	0,517	0,149	0,276	60,251	20,397	22,882	21,411	21,290	21,363	20,960	21,854	20,504	69,379	56,713	66,153
239,834	0,227	0,448	0,517	0,144	0,272	60,249	20,363	22,873	21,414	21,281	21,324	20,965	21,857	20,503	69,296	56,719	66,114
240,000	0,227	0,438	0,517	0,144	0,265	60,274	20,343	22,883	21,415	21,286	21,362	20,949	21,842	20,499	69,045	56,715	66,115
240,167	0,222	0,439	0,517	0,138	0,268	60,293	20,363	22,876	21,424	21,308	21,342	20,962	21,860	20,508	69,189	56,739	66,140
240,334	0,218	0,455	0,517	0,137	0,284	60,325	20,335	22,865	21,419	21,302	21,342	20,977	21,861	20,508	69,195	56,735	66,128
240,500	0,216	0,466	0,517	0,137	0,266	60,281	20,358	22,851	21,435	21,293	21,380	20,961	21,872	20,513	69,023	56,733	66,076
240,667	0,216	0,471	0,517	0,137	0,268	60,269	20,329	22,829	21,418	21,299	21,341	20,948	21,863	20,503	69,282	56,719	66,000
240,833	0,217	0,488	0,517	0,132	0,272	60,239	20,350	22,830	21,415	21,303	21,340	20,961	21,854	20,504	69,163	56,708	65,994
241,000	0,221	0,496	0,517	0,151	0,267	60,267	20,332	22,842	21,414	21,297	21,363	20,960	21,859	20,505	69,179	56,702	65,982

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
236,333	54,876	0,370	0,390	5131,136	5483,528	97,865	7,480	508,930	5,633	11,060	4,293	2017-09-14 14:43
236,500	54,896	0,370	0,390	5109,068	5429,807	95,773	7,813	509,449	5,576	10,926	4,267	2017-09-14 14:44
236,667	54,912	0,370	0,390	5089,297	5492,215	80,239	8,116	509,356	5,510	10,808	4,244	2017-09-14 14:44
236,833	54,922	0,370	0,390	5081,818	5518,020	113,361	8,053	509,413	5,539	10,745	4,232	2017-09-14 14:44
237,000	54,925	0,370	0,390	5075,512	5521,335	163,852	7,596	509,449	6,082	10,982	4,278	2017-09-14 14:44
237,167	54,932	0,370	0,390	5068,726	5487,972	168,313	7,097	509,356	5,684	10,914	4,265	2017-09-14 14:44
237,333	54,936	0,370	0,390	5082,652	5435,020	190,848	6,680	509,356	5,582	10,814	4,245	2017-09-14 14:44
237,500	54,944	0,370	0,390	5092,932	5401,886	167,534	6,526	509,449	5,659	11,254	4,331	2017-09-14 14:45
237,667	54,956	0,370	0,390	5090,970	5450,616	128,155	6,868	509,449	5,720	10,741	4,231	2017-09-14 14:45
237,834	54,971	0,370	0,390	5070,289	5497,557	112,085	7,220	509,356	5,336	10,828	4,248	2017-09-14 14:45
238,000	54,980	0,370	0,390	5041,496	5446,263	102,267	7,322	509,543	5,678	11,000	4,282	2017-09-14 14:45
238,167	54,993	0,370	0,390	5020,875	5360,356	99,299	7,249	509,449	5,445	10,914	4,265	2017-09-14 14:45
238,334	55,010	0,370	0,390	5009,822	5441,956	109,591	6,928	509,729	5,585	10,298	4,143	2017-09-14 14:45
238,500	55,022	0,370	0,390	5020,625	5397,660	107,186	6,738	509,449	5,891	11,129	4,307	2017-09-14 14:46
238,667	55,027	0,370	0,390	5013,291	5407,394	109,188	6,776	509,356	5,833	10,836	4,250	2017-09-14 14:46
238,834	55,031	0,370	0,390	4997,715	5332,856	107,930	6,719	509,355	5,572	10,708	4,225	2017-09-14 14:46
239,000	55,036	0,370	0,390	4994,399	5338,536	103,969	6,750	509,356	5,489	10,660	4,215	2017-09-14 14:46
239,167	55,039	0,370	0,390	4987,990	5288,553	120,897	6,895	509,449	5,426	11,160	4,313	2017-09-14 14:46
239,334	55,043	0,370	0,390	4984,717	5287,975	128,700	6,884	509,356	5,800	11,061	4,294	2017-09-14 14:46
239,500	55,046	0,370	0,390	4975,788	5371,786	133,307	6,815	509,355	5,936	11,216	4,324	2017-09-14 14:47
239,667	55,052	0,370	0,390	4964,033	5362,964	150,899	6,461	509,355	5,950	11,022	4,286	2017-09-14 14:47
239,834	55,064	0,370	0,390	4938,249	5331,532	175,915	6,189	509,410	5,756	10,878	4,258	2017-09-14 14:47
240,000	55,074	0,370	0,390	4930,630	5223,775	174,841	5,938	509,449	5,773	10,603	4,204	2017-09-14 14:47
240,167	55,084	0,366	0,390	4937,966	5221,537	146,795	5,973	509,355	5,510	10,739	4,231	2017-09-14 14:47
240,334	55,098	0,364	0,390	4926,845	5196,520	118,232	6,382	509,355	5,487	11,370	4,353	2017-09-14 14:47
240,500	55,106	0,364	0,390	4900,346	5126,004	106,512	6,641	509,355	5,476	10,632	4,209	2017-09-14 14:48
240,667	55,111	0,365	0,390	4868,048	5242,460	106,898	6,786	509,355	5,460	10,701	4,223	2017-09-14 14:48
240,833	55,114	0,364	0,390	4864,718	5193,417	114,844	7,197	509,355	5,279	10,879	4,258	2017-09-14 14:48
241,000	55,118	0,365	0,390	4855,629	5212,624	141,455	7,389	509,355	6,048	10,675	4,218	2017-09-14 14:48

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
241,167	0,225	0,489	0,517	0,150	0,268	60,193	20,398	22,782	21,413	21,308	21,340	20,976	21,860	20,507	69,094	56,701	65,965
241,333	0,223	0,482	0,517	0,141	0,278	60,149	20,404	22,833	21,414	21,303	21,344	20,969	21,859	20,508	69,112	56,700	65,971
241,500	0,219	0,476	0,517	0,140	0,273	60,077	20,392	22,822	21,418	21,308	21,378	20,969	21,876	20,511	69,047	56,697	65,952
241,667	0,217	0,472	0,517	0,141	0,270	60,062	20,374	22,853	21,434	21,314	21,312	20,969	21,868	20,509	69,166	56,690	65,939
241,833	0,214	0,477	0,517	0,141	0,268	60,084	20,367	22,848	21,439	21,299	21,342	20,976	21,873	20,509	69,216	56,688	65,913
242,000	0,212	0,487	0,517	0,133	0,276	60,155	20,358	22,846	21,424	21,302	21,340	20,987	21,850	20,507	69,292	56,689	65,897
242,167	0,210	0,499	0,517	0,140	0,259	60,155	20,346	22,840	21,436	21,307	21,324	20,973	21,854	20,511	69,307	56,696	65,881
242,333	0,210	0,515	0,517	0,142	0,263	60,100	20,311	22,830	21,426	21,317	21,367	20,969	21,864	20,508	69,197	56,700	65,893
242,500	0,212	0,525	0,517	0,138	0,271	60,085	20,370	22,850	21,431	21,315	21,331	20,965	21,852	20,513	69,112	56,700	65,924
242,667	0,214	0,523	0,516	0,144	0,266	59,995	20,353	22,846	21,431	21,319	21,353	20,966	21,861	20,509	69,214	56,709	65,963
242,833	0,214	0,512	0,516	0,140	0,266	60,023	20,356	22,839	21,428	21,314	21,348	20,973	21,850	20,513	69,298	56,711	65,975
243,000	0,214	0,502	0,517	0,132	0,276	60,014	20,363	22,812	21,444	21,324	21,320	20,990	21,868	20,511	69,340	56,713	65,956
243,167	0,216	0,499	0,516	0,140	0,280	60,035	20,365	22,847	21,456	21,314	21,362	20,968	21,859	20,515	69,291	56,727	65,924
243,333	0,215	0,493	0,516	0,141	0,271	60,007	20,344	22,829	21,432	21,307	21,323	20,970	21,863	20,513	69,185	56,736	65,952
243,500	0,214	0,488	0,516	0,143	0,268	60,030	20,359	22,822	21,445	21,320	21,353	20,972	21,877	20,513	69,222	56,739	65,990
243,667	0,219	0,476	0,516	0,140	0,278	60,007	20,363	22,826	21,443	21,311	21,333	20,970	21,868	20,515	69,132	56,727	66,016
243,833	0,218	0,457	0,517	0,137	0,271	60,007	20,369	22,843	21,430	21,327	21,342	20,984	21,871	20,516	69,267	56,720	66,006
244,000	0,217	0,441	0,516	0,140	0,268	60,038	20,377	22,843	21,447	21,322	21,366	20,973	21,875	20,521	69,129	56,717	65,993
244,167	0,215	0,433	0,516	0,143	0,273	60,035	20,384	22,841	21,442	21,327	21,332	20,995	21,885	20,525	69,111	56,715	65,973
244,333	0,215	0,433	0,517	0,137	0,271	60,065	20,400	22,839	21,451	21,331	21,340	21,007	21,883	20,525	69,217	56,709	65,958
244,500	0,215	0,437	0,516	0,137	0,271	60,096	20,377	22,854	21,453	21,327	21,340	20,969	21,872	20,517	69,225	56,700	65,958
244,667	0,215	0,439	0,517	0,143	0,279	60,101	20,398	22,832	21,453	21,336	21,360	21,008	21,876	20,523	68,993	56,705	65,938
244,834	0,218	0,437	0,517	0,139	0,270	60,010	20,420	22,829	21,459	21,340	21,349	20,968	21,871	20,524	68,957	56,709	65,930
245,000	0,225	0,427	0,516	0,136	0,275	60,063	20,422	22,828	21,470	21,320	21,363	20,986	21,854	20,523	68,880	56,705	65,931
245,167	0,228	0,411	0,516	0,140	0,270	60,045	20,409	22,842	21,449	21,341	21,335	20,971	21,867	20,520	68,719	56,708	65,920
245,334	0,228	0,405	0,517	0,139	0,272	59,968	20,407	22,863	21,457	21,333	21,353	20,990	21,864	20,524	68,833	56,696	65,890
245,500	0,226	0,407	0,516	0,137	0,271	59,949	20,395	22,867	21,469	21,337	21,345	20,995	21,868	20,524	68,890	56,704	65,863
245,667	0,227	0,410	0,516	0,147	0,268	59,928	20,391	22,860	21,456	21,333	21,335	20,990	21,871	20,524	68,830	56,696	65,792
245,834	0,228	0,417	0,516	0,137	0,270	59,967	20,389	22,872	21,461	21,348	21,368	20,988	21,880	20,531	68,650	56,693	65,735

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
241,167	55,123	0,364	0,390	4848,034	5171,058	162,660	7,226	509,355	6,012	10,734	4,230	2017-09-14 14:48
241,333	55,126	0,364	0,390	4842,784	5177,189	154,255	7,038	509,355	5,657	11,104	4,302	2017-09-14 14:48
241,500	55,134	0,364	0,390	4833,584	5149,223	128,023	6,912	509,355	5,593	10,918	4,266	2017-09-14 14:49
241,667	55,139	0,364	0,390	4819,988	5204,502	115,709	6,802	509,355	5,654	10,802	4,243	2017-09-14 14:49
241,833	55,149	0,364	0,390	4804,348	5222,898	96,836	6,915	509,355	5,624	10,708	4,225	2017-09-14 14:49
242,000	55,157	0,364	0,390	4798,665	5258,460	80,642	7,181	509,355	5,315	11,040	4,290	2017-09-14 14:49
242,167	55,163	0,365	0,390	4791,831	5263,086	71,851	7,465	509,356	5,612	10,361	4,156	2017-09-14 14:49
242,333	55,173	0,364	0,391	4798,957	5214,024	70,833	7,869	509,356	5,681	10,525	4,188	2017-09-14 14:49
242,500	55,181	0,364	0,390	4796,299	5177,189	81,493	8,137	509,355	5,532	10,840	4,251	2017-09-14 14:50
242,667	55,176	0,365	0,390	4817,732	5218,634	93,073	8,067	509,262	5,772	10,633	4,210	2017-09-14 14:50
242,833	55,159	0,365	0,390	4829,273	5257,025	96,621	7,794	509,262	5,618	10,628	4,209	2017-09-14 14:50
243,000	55,139	0,364	0,390	4826,248	5265,692	96,412	7,554	509,355	5,287	11,057	4,293	2017-09-14 14:50
243,167	55,131	0,365	0,390	4823,703	5243,010	106,269	7,465	509,262	5,583	11,205	4,322	2017-09-14 14:50
243,333	55,125	0,365	0,390	4836,533	5194,987	99,539	7,332	509,262	5,642	10,856	4,254	2017-09-14 14:50
243,500	55,119	0,365	0,390	4861,303	5211,368	95,940	7,199	509,262	5,719	10,715	4,226	2017-09-14 14:51
243,667	55,119	0,365	0,390	4869,299	5183,629	124,291	6,901	509,262	5,604	11,122	4,305	2017-09-14 14:51
243,833	55,118	0,365	0,390	4862,839	5243,142	117,592	6,415	509,355	5,475	10,824	4,247	2017-09-14 14:51
244,000	55,121	0,365	0,390	4851,673	5180,679	113,086	6,032	509,262	5,585	10,724	4,228	2017-09-14 14:51
244,167	55,129	0,364	0,389	4835,614	5165,703	104,570	5,819	509,262	5,712	10,933	4,269	2017-09-14 14:51
244,333	55,133	0,364	0,389	4827,494	5213,580	102,489	5,817	509,356	5,489	10,835	4,249	2017-09-14 14:51
244,500	55,133	0,365	0,390	4834,329	5228,057	100,582	5,928	509,263	5,498	10,857	4,254	2017-09-14 14:52
244,667	55,129	0,365	0,390	4831,227	5134,994	104,779	5,972	509,356	5,719	11,148	4,310	2017-09-14 14:52
244,834	55,117	0,365	0,390	4831,946	5117,741	117,533	5,933	509,355	5,566	10,796	4,242	2017-09-14 14:52
245,000	55,106	0,365	0,390	4837,653	5084,246	164,328	5,666	509,262	5,460	10,997	4,281	2017-09-14 14:52
245,167	55,094	0,364	0,390	4835,588	5010,135	183,809	5,284	509,262	5,616	10,798	4,242	2017-09-14 14:52
245,334	55,089	0,365	0,390	4825,053	5065,065	185,296	5,113	509,356	5,573	10,875	4,257	2017-09-14 14:52
245,500	55,084	0,365	0,390	4817,934	5090,461	169,786	5,166	509,262	5,488	10,851	4,253	2017-09-14 14:53
245,667	55,083	0,365	0,391	4790,943	5067,874	178,587	5,238	509,262	5,865	10,717	4,226	2017-09-14 14:53
245,834	55,083	0,365	0,390	4758,972	4992,229	180,664	5,417	509,262	5,471	10,792	4,241	2017-09-14 14:53

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
246,000	0,224	0,432	0,516	0,139	0,283	59,942	20,390	22,850	21,482	21,353	21,339	21,000	21,875	20,531	68,721	56,681	65,710
246,167	0,221	0,457	0,516	0,139	0,278	59,971	20,362	22,842	21,475	21,343	21,378	20,998	21,887	20,533	68,733	56,670	65,704
246,334	0,216	0,479	0,516	0,137	0,275	59,946	20,365	22,810	21,468	21,351	21,327	20,996	21,883	20,531	68,818	56,657	65,687
246,500	0,214	0,494	0,516	0,131	0,273	59,903	20,441	22,806	21,452	21,337	21,364	20,989	21,877	20,528	68,812	56,651	65,636
246,667	0,213	0,509	0,517	0,138	0,278	59,916	20,429	22,846	21,467	21,332	21,332	20,999	21,891	20,528	68,733	56,647	65,591
246,834	0,213	0,517	0,516	0,134	0,268	59,877	20,422	22,830	21,470	21,349	21,366	21,001	21,872	20,527	68,954	56,641	65,585
247,000	0,212	0,515	0,516	0,135	0,272	59,853	20,387	22,849	21,451	21,331	21,333	20,997	21,868	20,527	68,919	56,635	65,617
247,167	0,215	0,519	0,516	0,132	0,274	59,933	20,396	22,872	21,458	21,340	21,374	21,000	21,875	20,531	68,864	56,625	65,626
247,333	0,217	0,517	0,516	0,130	0,274	59,927	20,421	22,868	21,460	21,339	21,339	21,001	21,878	20,532	68,729	56,604	65,620
247,500	0,223	0,501	0,516	0,137	0,271	59,908	20,420	22,887	21,471	21,345	21,349	20,992	21,884	20,533	68,903	56,584	65,656
247,667	0,229	0,486	0,516	0,145	0,279	59,887	20,424	22,874	21,459	21,335	21,356	20,994	21,872	20,533	68,782	56,568	65,675
247,833	0,231	0,469	0,516	0,137	0,267	59,815	20,425	22,867	21,468	21,334	21,343	21,015	21,882	20,534	68,739	56,551	65,674
248,000	0,226	0,456	0,516	0,141	0,275	59,838	20,403	22,851	21,469	21,332	21,369	21,003	21,883	20,532	68,964	56,539	65,669
248,167	0,227	0,442	0,516	0,146	0,273	59,789	20,369	22,840	21,475	21,347	21,331	21,006	21,884	20,541	68,886	56,532	65,669
248,333	0,226	0,432	0,516	0,140	0,264	59,802	20,382	22,819	21,463	21,340	21,372	21,013	21,883	20,537	68,822	56,525	65,633
248,500	0,223	0,441	0,516	0,144	0,267	59,772	20,398	22,810	21,464	21,338	21,317	21,002	21,875	20,534	68,615	56,523	65,610
248,667	0,222	0,458	0,516	0,131	0,278	59,818	20,423	22,780	21,455	21,343	21,360	21,013	21,887	20,537	68,771	56,510	65,633
248,833	0,221	0,468	0,516	0,139	0,276	59,824	20,420	22,797	21,450	21,348	21,339	20,992	21,885	20,532	68,537	56,510	65,641
249,000	0,224	0,472	0,516	0,136	0,277	59,865	20,437	22,803	21,472	21,345	21,356	21,015	21,883	20,540	68,604	56,501	65,628
249,167	0,230	0,465	0,516	0,140	0,279	59,814	20,411	22,798	21,463	21,348	21,330	21,006	21,893	20,536	68,565	56,482	65,614
249,333	0,228	0,453	0,516	0,143	0,272	59,808	20,410	22,803	21,467	21,356	21,322	21,015	21,884	20,538	68,557	56,474	65,590
249,500	0,224	0,460	0,516	0,142	0,277	59,820	20,404	22,782	21,455	21,351	21,366	21,023	21,889	20,537	68,494	56,466	65,523
249,667	0,221	0,473	0,516	0,139	0,278	59,845	20,440	22,823	21,470	21,349	21,343	21,015	21,883	20,542	68,513	56,457	65,475
249,833	0,219	0,476	0,515	0,136	0,275	59,743	20,420	22,823	21,468	21,359	21,374	21,025	21,884	20,542	68,576	56,443	65,467
250,000	0,220	0,480	0,516	0,141	0,279	59,767	20,444	22,799	21,472	21,361	21,329	21,018	21,897	20,544	68,747	56,433	65,459
250,167	0,219	0,489	0,515	0,132	0,280	59,775	20,441	22,815	21,485	21,346	21,339	21,025	21,887	20,544	68,779	56,416	65,428
250,333	0,222	0,497	0,516	0,141	0,270	59,770	20,440	22,827	21,475	21,352	21,348	21,004	21,873	20,542	68,793	56,406	65,412
250,500	0,220	0,502	0,515	0,139	0,276	59,759	20,442	22,826	21,490	21,343	21,350	21,036	21,878	20,545	68,746	56,407	65,416
250,667	0,220	0,512	0,515	0,139	0,278	59,726	20,435	22,818	21,487	21,376	21,376	21,021	21,894	20,546	68,817	56,410	65,465

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
246,000	55,083	0,365	0,390	4745,227	5027,115	156,788	5,799	509,262	5,554	11,331	4,346	2017-09-14 14:53
246,167	55,082	0,365	0,390	4745,430	5039,757	138,891	6,426	509,262	5,572	11,132	4,307	2017-09-14 14:53
246,334	55,062	0,365	0,390	4745,381	5075,221	110,331	6,964	509,262	5,473	11,000	4,282	2017-09-14 14:53
246,500	55,036	0,364	0,390	4734,387	5072,603	98,070	7,345	509,262	5,227	10,940	4,270	2017-09-14 14:54
246,667	55,011	0,365	0,390	4726,220	5046,281	88,619	7,724	509,356	5,502	11,122	4,305	2017-09-14 14:54
246,834	54,985	0,365	0,390	4740,003	5148,346	86,753	7,926	509,262	5,342	10,734	4,230	2017-09-14 14:54
247,000	54,968	0,365	0,390	4757,384	5133,001	84,460	7,865	509,262	5,401	10,891	4,260	2017-09-14 14:54
247,167	54,953	0,365	0,390	4770,814	5112,190	101,002	7,968	509,262	5,269	10,973	4,277	2017-09-14 14:54
247,333	54,944	0,364	0,390	4766,306	5058,869	116,220	7,921	509,269	5,181	10,943	4,271	2017-09-14 14:54
247,500	54,937	0,364	0,390	4789,731	5140,219	150,989	7,521	509,262	5,493	10,828	4,248	2017-09-14 14:55
247,667	54,931	0,365	0,390	4801,944	5098,081	188,652	7,141	509,262	5,787	11,168	4,314	2017-09-14 14:55
247,833	54,927	0,365	0,390	4799,746	5089,638	201,244	6,736	509,262	5,477	10,682	4,219	2017-09-14 14:55
248,000	54,924	0,365	0,390	4800,212	5189,944	167,507	6,393	509,262	5,624	10,994	4,281	2017-09-14 14:55
248,167	54,916	0,365	0,390	4804,601	5158,362	175,654	6,046	509,262	5,832	10,906	4,264	2017-09-14 14:55
248,333	54,902	0,365	0,390	4793,279	5136,979	172,916	5,800	509,262	5,581	10,579	4,199	2017-09-14 14:55
248,500	54,881	0,365	0,390	4796,067	5048,333	151,462	6,030	509,262	5,762	10,684	4,220	2017-09-14 14:56
248,667	54,862	0,365	0,390	4811,308	5120,935	144,777	6,456	509,262	5,251	11,135	4,308	2017-09-14 14:56
248,833	54,839	0,365	0,390	4821,519	5026,714	140,444	6,707	509,262	5,578	11,025	4,287	2017-09-14 14:56
249,000	54,826	0,365	0,390	4822,289	5051,144	155,068	6,794	509,262	5,451	11,068	4,295	2017-09-14 14:56
249,167	54,822	0,365	0,390	4824,810	5042,377	198,280	6,628	509,262	5,592	11,168	4,314	2017-09-14 14:56
249,333	54,823	0,364	0,390	4807,425	5041,021	183,718	6,332	509,262	5,708	10,870	4,256	2017-09-14 14:56
249,500	54,830	0,365	0,389	4766,589	5021,363	160,579	6,497	509,262	5,696	11,074	4,296	2017-09-14 14:57
249,667	54,838	0,365	0,390	4750,909	5036,246	141,685	6,818	509,262	5,561	11,119	4,305	2017-09-14 14:57
249,833	54,844	0,365	0,390	4742,869	5066,138	126,101	6,909	509,116	5,442	10,984	4,279	2017-09-14 14:57
250,000	54,841	0,364	0,390	4742,476	5137,418	129,951	7,005	509,262	5,648	11,142	4,309	2017-09-14 14:57
250,167	54,835	0,365	0,390	4729,797	5159,779	128,464	7,224	509,117	5,268	11,207	4,322	2017-09-14 14:57
250,333	54,819	0,364	0,389	4724,405	5165,534	142,946	7,427	509,262	5,637	10,791	4,241	2017-09-14 14:57
250,500	54,806	0,365	0,390	4738,060	5153,656	133,700	7,548	509,117	5,572	11,028	4,287	2017-09-14 14:58
250,667	54,790	0,365	0,390	4768,009	5180,977	132,279	7,792	509,117	5,562	11,109	4,303	2017-09-14 14:58

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
250,833	0,215	0,526	0,515	0,138	0,272	59,700	20,433	22,828	21,475	21,356	21,339	21,019	21,894	20,546	68,810	56,406	65,493
251,000	0,214	0,534	0,515	0,136	0,275	59,700	20,414	22,799	21,470	21,363	21,348	21,022	21,883	20,544	68,610	56,396	65,527
251,167	0,213	0,540	0,516	0,137	0,275	59,752	20,423	22,815	21,474	21,363	21,359	21,017	21,903	20,552	68,995	56,394	65,529
251,334	0,214	0,538	0,516	0,138	0,268	59,732	20,418	22,813	21,492	21,357	21,368	21,018	21,891	20,546	68,949	56,386	65,551
251,500	0,216	0,528	0,515	0,136	0,272	59,668	20,414	22,841	21,481	21,363	21,338	21,034	21,881	20,549	68,899	56,379	65,560
251,667	0,213	0,524	0,515	0,141	0,274	59,644	20,423	22,830	21,483	21,359	21,355	21,029	21,903	20,549	68,888	56,374	65,537
251,834	0,214	0,511	0,515	0,143	0,265	59,614	20,423	22,866	21,477	21,369	21,357	21,025	21,883	20,546	68,949	56,366	65,583
252,000	0,216	0,499	0,515	0,131	0,274	59,668	20,433	22,869	21,472	21,367	21,334	21,027	21,909	20,553	68,918	56,366	65,607
252,167	0,215	0,499	0,515	0,131	0,265	59,631	20,433	22,896	21,488	21,361	21,358	21,033	21,890	20,554	68,758	56,361	65,625
252,334	0,215	0,504	0,515	0,141	0,276	59,628	20,433	22,884	21,483	21,360	21,356	21,022	21,894	20,553	68,785	56,360	65,629
252,500	0,217	0,496	0,515	0,133	0,271	59,617	20,432	22,869	21,492	21,361	21,341	21,020	21,907	20,552	68,763	56,364	65,629
252,667	0,218	0,486	0,515	0,141	0,273	59,609	20,436	22,880	21,502	21,373	21,363	21,044	21,900	20,553	68,841	56,368	65,610
252,834	0,221	0,477	0,515	0,136	0,264	59,566	20,401	22,913	21,481	21,369	21,331	21,027	21,896	20,550	68,752	56,374	65,597
253,000	0,224	0,461	0,515	0,150	0,264	59,545	20,418	22,921	21,495	21,369	21,367	21,040	21,899	20,556	68,728	56,382	65,583
253,167	0,226	0,458	0,515	0,143	0,271	59,608	20,449	22,901	21,508	21,382	21,350	21,046	21,916	20,560	68,619	56,383	65,582
253,334	0,225	0,464	0,515	0,136	0,271	59,590	20,433	22,892	21,500	21,365	21,373	21,046	21,908	20,554	68,669	56,391	65,586
253,500	0,221	0,466	0,515	0,142	0,282	59,584	20,432	22,857	21,495	21,371	21,358	21,030	21,900	20,556	68,641	56,399	65,578
253,667	0,216	0,479	0,515	0,136	0,274	59,554	20,424	22,850	21,501	21,365	21,346	21,033	21,900	20,554	68,443	56,399	65,546
253,834	0,213	0,495	0,515	0,134	0,273	59,568	20,430	22,834	21,506	21,366	21,356	21,041	21,913	20,562	68,768	56,406	65,492
254,000	0,212	0,507	0,515	0,137	0,269	59,558	20,451	22,847	21,506	21,364	21,345	21,050	21,898	20,562	68,653	56,408	65,484
254,167	0,213	0,503	0,515	0,142	0,269	59,553	20,430	22,851	21,502	21,375	21,372	21,041	21,902	20,557	68,680	56,404	65,457
254,333	0,221	0,490	0,515	0,140	0,269	59,551	20,469	22,835	21,489	21,365	21,347	21,026	21,911	20,558	68,670	56,399	65,438
254,500	0,220	0,483	0,515	0,141	0,274	59,544	20,466	22,827	21,501	21,375	21,351	21,043	21,909	20,558	68,639	56,388	65,462
254,667	0,219	0,491	0,515	0,140	0,278	59,596	20,469	22,825	21,521	21,376	21,372	21,044	21,898	20,560	68,577	56,390	65,458
254,833	0,215	0,505	0,515	0,141	0,279	59,615	20,431	22,810	21,506	21,380	21,355	21,063	21,904	20,562	68,677	56,384	65,474
255,000	0,214	0,523	0,515	0,135	0,271	59,593	20,383	22,843	21,506	21,384	21,354	21,054	21,919	20,565	68,632	56,375	65,469
255,167	0,214	0,542	0,515	0,140	0,272	59,555	20,468	22,822	21,496	21,386	21,353	21,049	21,919	20,566	68,864	56,380	65,439
255,333	0,214	0,545	0,515	0,131	0,267	59,535	20,453	22,791	21,501	21,389	21,363	21,060	21,912	20,569	68,861	56,388	65,440
255,500	0,214	0,544	0,515	0,136	0,275	59,536	20,422	22,780	21,512	21,369	21,343	21,051	21,915	20,564	68,836	56,384	65,442

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
250,833	54,777	0,364	0,390	4788,685	5172,487	102,197	8,144	509,117	5,528	10,870	4,256	2017-09-14 14:58
251,000	54,765	0,365	0,390	4807,123	5098,218	92,823	8,352	509,117	5,427	11,013	4,284	2017-09-14 14:58
251,167	54,766	0,364	0,390	4806,952	5255,818	91,572	8,512	509,262	5,478	10,984	4,279	2017-09-14 14:58
251,334	54,766	0,364	0,390	4814,806	5240,179	98,045	8,439	509,262	5,502	10,721	4,227	2017-09-14 14:58
251,500	54,767	0,365	0,390	4818,633	5230,034	105,831	8,191	509,117	5,426	10,891	4,260	2017-09-14 14:59
251,667	54,771	0,365	0,390	4805,523	5226,559	91,631	8,094	509,117	5,640	10,963	4,275	2017-09-14 14:59
251,834	54,770	0,364	0,390	4828,445	5250,304	96,093	7,774	509,117	5,726	10,601	4,203	2017-09-14 14:59
252,000	54,775	0,364	0,390	4835,004	5237,890	104,987	7,463	509,117	5,237	10,967	4,275	2017-09-14 14:59
252,167	54,782	0,364	0,389	4836,203	5170,385	101,228	7,480	509,117	5,235	10,613	4,206	2017-09-14 14:59
252,334	54,795	0,364	0,389	4833,576	5183,074	98,900	7,591	509,117	5,622	11,028	4,287	2017-09-14 14:59
252,500	54,802	0,364	0,390	4834,193	5169,399	111,227	7,402	509,117	5,323	10,829	4,248	2017-09-14 15:00
252,667	54,802	0,364	0,388	4799,477	5204,184	117,777	7,159	509,117	5,644	10,917	4,266	2017-09-14 15:00
252,834	54,801	0,365	0,388	4797,699	5167,077	139,791	6,928	509,117	5,448	10,570	4,197	2017-09-14 15:00
253,000	54,798	0,364	0,388	4790,080	5152,174	158,390	6,518	509,117	6,005	10,564	4,196	2017-09-14 15:00
253,167	54,798	0,364	0,388	4788,697	5106,064	168,129	6,458	509,116	5,721	10,856	4,254	2017-09-14 15:00
253,334	54,798	0,365	0,388	4794,878	5124,867	161,423	6,596	509,117	5,440	10,852	4,253	2017-09-14 15:00
253,500	54,802	0,365	0,388	4790,563	5114,333	137,918	6,655	509,117	5,672	11,283	4,336	2017-09-14 15:01
253,667	54,803	0,365	0,388	4770,918	5026,462	108,149	6,983	509,117	5,435	10,972	4,276	2017-09-14 15:01
253,834	54,806	0,365	0,388	4747,800	5165,527	89,116	7,386	509,117	5,377	10,929	4,268	2017-09-14 15:01
254,000	54,805	0,365	0,390	4766,739	5117,188	85,930	7,680	509,117	5,491	10,758	4,234	2017-09-14 15:01
254,167	54,815	0,365	0,390	4750,375	5122,868	92,205	7,568	509,117	5,681	10,768	4,236	2017-09-14 15:01
254,333	54,822	0,364	0,390	4740,014	5117,206	136,077	7,261	509,117	5,589	10,773	4,237	2017-09-14 15:01
254,500	54,827	0,364	0,390	4748,452	5110,511	134,955	7,085	509,117	5,650	10,974	4,277	2017-09-14 15:02
254,667	54,829	0,365	0,390	4745,745	5088,896	129,121	7,266	509,023	5,606	11,113	4,304	2017-09-14 15:02
254,833	54,827	0,365	0,390	4758,487	5132,286	102,048	7,615	509,117	5,652	11,151	4,311	2017-09-14 15:02
255,000	54,829	0,365	0,390	4755,476	5118,522	93,230	8,064	509,023	5,398	10,820	4,247	2017-09-14 15:02
255,167	54,829	0,365	0,390	4738,080	5216,246	93,014	8,548	509,023	5,601	10,862	4,255	2017-09-14 15:02
255,333	54,831	0,365	0,390	4737,013	5207,690	96,850	8,636	509,116	5,237	10,684	4,220	2017-09-14 15:02
255,500	54,837	0,365	0,390	4735,684	5200,083	95,756	8,612	509,023	5,439	10,995	4,281	2017-09-14 15:03

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
255,667	0,216	0,531	0,515	0,135	0,273	59,535	20,424	22,804	21,516	21,379	21,377	21,064	21,907	20,564	68,791	56,383	65,474
255,833	0,218	0,508	0,515	0,136	0,273	59,503	20,431	22,804	21,509	21,369	21,347	21,045	21,913	20,564	69,032	56,387	65,516
256,000	0,220	0,488	0,515	0,139	0,258	59,517	20,466	22,831	21,528	21,391	21,381	21,077	21,914	20,576	68,922	56,387	65,552
256,167	0,220	0,486	0,515	0,139	0,274	59,539	20,452	22,827	21,512	21,367	21,337	21,063	21,910	20,568	68,793	56,386	65,563
256,333	0,218	0,494	0,515	0,141	0,275	59,579	20,478	22,838	21,517	21,397	21,371	21,072	21,906	20,576	68,805	56,392	65,566
256,500	0,217	0,502	0,515	0,135	0,275	59,549	20,483	22,847	21,517	21,384	21,354	21,064	21,916	20,576	68,702	56,399	65,614
256,667	0,218	0,494	0,515	0,136	0,280	59,588	20,481	22,837	21,531	21,384	21,361	21,059	21,906	20,572	68,886	56,406	65,621
256,833	0,217	0,474	0,515	0,137	0,268	59,566	20,507	22,842	21,526	21,401	21,358	21,060	21,911	20,577	68,833	56,408	65,603
257,000	0,218	0,462	0,515	0,136	0,273	59,526	20,490	22,843	21,509	21,394	21,359	21,067	21,925	20,572	68,622	56,422	65,590
257,167	0,218	0,455	0,515	0,137	0,268	59,512	20,491	22,865	21,521	21,390	21,353	21,054	21,908	20,569	68,572	56,425	65,563
257,333	0,219	0,456	0,515	0,137	0,268	59,472	20,482	22,882	21,529	21,401	21,361	21,072	21,927	20,573	68,592	56,433	65,574
257,500	0,218	0,467	0,515	0,138	0,280	59,473	20,502	22,877	21,529	21,397	21,362	21,066	21,927	20,581	68,525	56,434	65,567
257,667	0,218	0,478	0,515	0,143	0,269	59,480	20,505	22,889	21,517	21,396	21,376	21,076	21,924	20,582	68,530	56,429	65,550
257,833	0,218	0,481	0,515	0,140	0,278	59,517	20,493	22,891	21,518	21,402	21,350	21,058	21,928	20,577	68,496	56,426	65,523
258,000	0,217	0,480	0,515	0,135	0,263	59,474	20,485	22,895	21,517	21,408	21,372	21,076	21,924	20,576	68,546	56,422	65,482
258,167	0,216	0,486	0,515	0,139	0,273	59,426	20,467	22,893	21,522	21,397	21,374	21,083	21,928	20,581	68,518	56,427	65,436
258,334	0,217	0,489	0,515	0,134	0,267	59,434	20,490	22,910	21,533	21,409	21,376	21,079	21,936	20,586	68,441	56,430	65,393
258,500	0,219	0,486	0,515	0,137	0,276	59,477	20,468	22,882	21,531	21,396	21,375	21,053	21,916	20,573	68,474	56,430	65,387
258,667	0,216	0,489	0,515	0,142	0,270	59,472	20,478	22,873	21,533	21,414	21,350	21,079	21,922	20,584	68,356	56,422	65,377
258,834	0,215	0,500	0,515	0,141	0,275	59,432	20,464	22,865	21,530	21,425	21,392	21,074	21,928	20,584	68,657	56,431	65,356
259,000	0,213	0,500	0,515	0,135	0,264	59,458	20,489	22,877	21,537	21,407	21,366	21,084	21,935	20,593	68,666	56,438	65,335
259,167	0,221	0,493	0,515	0,145	0,269	59,539	20,465	22,850	21,516	21,397	21,378	21,080	21,928	20,580	68,667	56,441	65,323
259,334	0,222	0,491	0,515	0,139	0,272	59,437	20,460	22,846	21,533	21,398	21,348	21,064	21,918	20,580	68,600	56,451	65,319
259,500	0,218	0,500	0,514	0,142	0,262	59,453	20,463	22,858	21,543	21,420	21,401	21,075	21,936	20,588	68,693	56,462	65,377
259,667	0,214	0,514	0,515	0,135	0,268	59,410	20,472	22,863	21,526	21,409	21,349	21,071	21,928	20,581	68,814	56,457	65,418
259,834	0,214	0,524	0,514	0,132	0,273	59,373	20,456	22,867	21,529	21,383	21,372	21,066	21,927	20,578	68,970	56,459	65,428
260,000	0,213	0,527	0,514	0,135	0,278	59,340	20,452	22,851	21,538	21,400	21,346	21,088	21,927	20,580	68,918	56,469	65,428
260,167	0,213	0,516	0,514	0,138	0,262	59,352	20,464	22,854	21,530	21,409	21,399	21,068	21,931	20,581	68,829	56,476	65,458
260,334	0,218	0,504	0,515	0,136	0,276	59,304	20,451	22,880	21,539	21,404	21,333	21,081	21,933	20,582	68,953	56,490	65,506

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
255,667	54,838	0,365	0,390	4756,754	5181,564	105,387	8,282	509,023	5,388	10,926	4,267	2017-09-14 15:03
255,833	54,841	0,365	0,390	4768,838	5277,949	119,465	7,698	509,023	5,428	10,911	4,264	2017-09-14 15:03
256,000	54,845	0,365	0,390	4789,197	5234,113	132,616	7,210	509,023	5,574	10,335	4,150	2017-09-14 15:03
256,167	54,850	0,365	0,390	4791,125	5180,984	135,830	7,138	509,117	5,548	10,957	4,273	2017-09-14 15:03
256,333	54,857	0,365	0,391	4792,125	5183,757	122,123	7,350	509,023	5,643	11,012	4,284	2017-09-14 15:03
256,500	54,857	0,365	0,390	4811,017	5139,373	111,710	7,562	509,023	5,409	10,982	4,278	2017-09-14 15:04
256,667	54,862	0,365	0,390	4810,072	5213,122	120,928	7,359	509,023	5,446	11,217	4,324	2017-09-14 15:04
256,833	54,860	0,365	0,391	4807,038	5193,191	112,141	6,852	509,023	5,496	10,715	4,226	2017-09-14 15:04
257,000	54,856	0,365	0,390	4800,781	5094,284	117,592	6,562	509,023	5,423	10,931	4,268	2017-09-14 15:04
257,167	54,862	0,365	0,390	4784,940	5074,907	119,159	6,376	509,023	5,482	10,708	4,225	2017-09-14 15:04
257,333	54,866	0,365	0,390	4783,776	5077,900	126,171	6,392	509,023	5,496	10,737	4,230	2017-09-14 15:04
257,500	54,869	0,364	0,390	4782,183	5042,723	123,027	6,678	509,023	5,509	11,187	4,318	2017-09-14 15:05
257,667	54,869	0,364	0,390	4768,653	5047,720	120,073	6,938	508,974	5,733	10,777	4,238	2017-09-14 15:05
257,833	54,873	0,365	0,390	4760,501	5039,395	119,469	7,015	509,023	5,601	11,106	4,302	2017-09-14 15:05
258,000	54,885	0,365	0,391	4743,919	5061,906	113,395	7,010	509,023	5,410	10,511	4,185	2017-09-14 15:05
258,167	54,904	0,365	0,391	4712,450	5050,490	107,558	7,153	509,023	5,572	10,926	4,267	2017-09-14 15:05
258,334	54,922	0,365	0,390	4682,390	5017,695	112,499	7,228	509,023	5,352	10,693	4,222	2017-09-14 15:05
258,500	54,936	0,365	0,390	4671,380	5028,150	124,937	7,152	509,023	5,465	11,035	4,288	2017-09-14 15:06
258,667	54,948	0,365	0,391	4667,041	4986,785	109,771	7,218	509,023	5,689	10,794	4,242	2017-09-14 15:06
258,834	54,952	0,365	0,390	4652,278	5108,076	98,896	7,488	509,023	5,637	10,983	4,278	2017-09-14 15:06
259,000	54,955	0,365	0,390	4637,065	5109,547	91,583	7,498	509,023	5,401	10,546	4,193	2017-09-14 15:06
259,167	54,959	0,365	0,390	4635,095	5103,801	137,689	7,333	509,023	5,805	10,763	4,235	2017-09-14 15:06
259,334	54,967	0,364	0,391	4630,883	5069,095	143,436	7,284	509,023	5,548	10,883	4,259	2017-09-14 15:06
259,500	54,971	0,365	0,390	4653,033	5105,475	120,382	7,507	508,929	5,689	10,485	4,180	2017-09-14 15:07
259,667	54,972	0,365	0,391	4672,498	5164,996	96,961	7,840	509,023	5,395	10,714	4,226	2017-09-14 15:07
259,834	54,976	0,365	0,391	4677,318	5231,332	92,629	8,088	508,929	5,281	10,927	4,267	2017-09-14 15:07
260,000	54,988	0,365	0,391	4674,171	5202,768	88,650	8,176	508,929	5,405	11,123	4,306	2017-09-14 15:07
260,167	55,001	0,365	0,391	4678,107	5160,664	91,989	7,902	508,929	5,531	10,498	4,183	2017-09-14 15:07
260,334	55,018	0,365	0,391	4692,109	5201,352	117,360	7,603	509,023	5,431	11,044	4,290	2017-09-14 15:07

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
260,500	0,226	0,497	0,514	0,142	0,273	59,380	20,454	22,873	21,537	21,396	21,385	21,085	21,929	20,581	68,775	56,486	65,567
260,667	0,223	0,486	0,514	0,147	0,281	59,377	20,448	22,878	21,520	21,412	21,341	21,076	21,939	20,582	68,682	56,496	65,617
260,834	0,217	0,489	0,514	0,138	0,271	59,438	20,441	22,897	21,536	21,413	21,382	21,079	21,936	20,586	68,521	56,512	65,636
261,000	0,214	0,505	0,514	0,131	0,277	59,390	20,426	22,894	21,543	21,414	21,352	21,088	21,948	20,586	68,663	56,520	65,647
261,167	0,212	0,515	0,514	0,132	0,268	59,378	20,431	22,899	21,542	21,420	21,373	21,089	21,930	20,586	68,773	56,537	65,618
261,333	0,210	0,520	0,514	0,129	0,270	59,424	20,424	22,922	21,553	21,418	21,357	21,083	21,935	20,586	68,812	56,553	65,577
261,500	0,209	0,530	0,514	0,142	0,268	59,424	20,412	22,912	21,534	21,413	21,379	21,079	21,932	20,588	68,808	56,570	65,529
261,667	0,208	0,535	0,515	0,134	0,271	59,468	20,425	22,883	21,521	21,416	21,349	21,084	21,936	20,590	68,750	56,570	65,533
261,833	0,209	0,532	0,514	0,136	0,264	59,424	20,437	22,909	21,545	21,417	21,371	21,083	21,949	20,593	68,821	56,574	65,560
262,000	0,210	0,519	0,514	0,149	0,270	59,424	20,417	22,883	21,537	21,412	21,371	21,088	21,930	20,592	68,871	56,576	65,578
262,167	0,211	0,514	0,514	0,138	0,266	59,424	20,371	22,885	21,524	21,399	21,361	21,096	21,936	20,592	68,869	56,587	65,583
262,333	0,211	0,510	0,514	0,137	0,275	59,419	20,356	22,892	21,527	21,422	21,392	21,101	21,935	20,590	68,845	56,591	65,605
262,500	0,212	0,508	0,514	0,133	0,262	59,419	20,360	22,893	21,525	21,420	21,353	21,087	21,927	20,590	68,743	56,595	65,624
262,667	0,212	0,515	0,514	0,131	0,281	59,451	20,338	22,888	21,523	21,413	21,380	21,080	21,939	20,590	68,771	56,600	65,641
262,833	0,210	0,520	0,514	0,133	0,276	59,417	20,379	22,868	21,531	21,418	21,350	21,108	21,932	20,593	68,861	56,608	65,653
263,000	0,207	0,533	0,514	0,140	0,271	59,415	20,353	22,882	21,525	21,421	21,380	21,075	21,940	20,589	68,905	56,622	65,641
263,167	0,206	0,553	0,514	0,138	0,282	59,398	20,389	22,886	21,524	21,411	21,357	21,096	21,943	20,594	68,960	56,630	65,614
263,333	0,205	0,569	0,514	0,134	0,270	59,400	20,357	22,876	21,525	21,404	21,386	21,110	21,927	20,593	68,926	56,641	65,620
263,500	0,205	0,578	0,514	0,135	0,274	59,433	20,390	22,890	21,537	21,422	21,353	21,091	21,924	20,593	69,167	56,647	65,643
263,667	0,206	0,570	0,514	0,143	0,276	59,391	20,381	22,883	21,534	21,420	21,378	21,082	21,940	20,590	69,189	56,647	65,664
263,833	0,218	0,551	0,514	0,139	0,263	59,479	20,362	22,862	21,544	21,420	21,384	21,092	21,945	20,594	69,035	56,653	65,702
264,000	0,220	0,531	0,514	0,136	0,280	59,450	20,381	22,871	21,532	21,420	21,368	21,096	21,945	20,597	68,933	56,662	65,760
264,167	0,213	0,521	0,514	0,137	0,276	59,475	20,383	22,876	21,527	21,426	21,373	21,092	21,952	20,594	69,084	56,661	65,831
264,333	0,213	0,516	0,514	0,135	0,277	59,522	20,378	22,872	21,541	21,409	21,360	21,095	21,941	20,596	68,960	56,665	65,851
264,500	0,212	0,519	0,514	0,139	0,272	59,514	20,403	22,896	21,525	21,417	21,395	21,103	21,951	20,600	69,129	56,673	65,835
264,667	0,209	0,526	0,514	0,139	0,275	59,510	20,402	22,906	21,545	21,409	21,359	21,095	21,964	20,602	69,138	56,686	65,815
264,833	0,209	0,525	0,514	0,141	0,266	59,524	20,387	22,920	21,532	21,424	21,394	21,108	21,939	20,600	69,147	56,700	65,819
265,000	0,208	0,529	0,514	0,128	0,280	59,499	20,389	22,917	21,537	21,429	21,373	21,103	21,945	20,598	69,059	56,698	65,822
265,167	0,207	0,538	0,514	0,133	0,273	59,531	20,387	22,898	21,527	21,418	21,371	21,105	21,951	20,597	69,276	56,704	65,839

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
260,500	55,026	0,364	0,390	4713,061	5125,821	171,652	7,418	508,929	5,671	10,906	4,263	2017-09-14 15:08
260,667	55,032	0,365	0,390	4732,655	5086,882	152,806	7,149	508,929	5,866	11,251	4,330	2017-09-14 15:08
260,834	55,039	0,365	0,390	4737,314	5015,151	111,731	7,237	508,929	5,533	10,823	4,247	2017-09-14 15:08
261,000	55,043	0,365	0,391	4743,875	5077,082	92,371	7,636	508,929	5,239	11,081	4,297	2017-09-14 15:08
261,167	55,048	0,365	0,391	4729,859	5112,290	81,535	7,863	508,929	5,299	10,731	4,229	2017-09-14 15:08
261,333	55,052	0,365	0,391	4711,642	5123,580	68,745	7,998	508,929	5,158	10,818	4,246	2017-09-14 15:08
261,500	55,059	0,365	0,390	4682,674	5112,176	61,810	8,244	508,929	5,697	10,722	4,227	2017-09-14 15:09
261,667	55,068	0,365	0,390	4679,038	5083,155	56,779	8,373	509,012	5,367	10,822	4,247	2017-09-14 15:09
261,833	55,072	0,365	0,391	4692,791	5115,248	66,223	8,290	508,929	5,454	10,565	4,196	2017-09-14 15:09
262,000	55,083	0,365	0,390	4692,309	5138,773	67,901	7,981	508,929	5,950	10,795	4,242	2017-09-14 15:09
262,167	55,099	0,365	0,391	4692,821	5132,821	75,010	7,858	508,929	5,529	10,641	4,211	2017-09-14 15:09
262,333	55,111	0,365	0,391	4695,245	5122,384	78,602	7,739	508,929	5,499	10,995	4,281	2017-09-14 15:09
262,500	55,119	0,365	0,391	4702,650	5072,212	83,619	7,704	508,929	5,320	10,481	4,179	2017-09-14 15:10
262,667	55,126	0,365	0,390	4699,105	5079,197	82,233	7,872	508,929	5,237	11,223	4,325	2017-09-14 15:10
262,833	55,130	0,365	0,390	4703,202	5114,891	68,109	7,989	508,836	5,314	11,027	4,287	2017-09-14 15:10
263,000	55,137	0,365	0,390	4693,533	5127,607	53,763	8,334	508,929	5,587	10,844	4,251	2017-09-14 15:10
263,167	55,141	0,365	0,390	4680,150	5150,412	43,986	8,833	508,929	5,517	11,293	4,338	2017-09-14 15:10
263,333	55,142	0,365	0,391	4692,117	5130,439	42,301	9,217	508,929	5,356	10,788	4,240	2017-09-14 15:10
263,500	55,138	0,365	0,391	4698,866	5229,279	42,305	9,438	508,929	5,384	10,963	4,275	2017-09-14 15:11
263,667	55,134	0,365	0,391	4718,407	5239,691	47,919	9,262	508,836	5,708	11,055	4,292	2017-09-14 15:11
263,833	55,137	0,365	0,391	4729,811	5171,844	117,756	8,782	508,929	5,569	10,528	4,189	2017-09-14 15:11
264,000	55,143	0,365	0,390	4744,010	5126,483	130,945	8,275	508,835	5,441	11,212	4,323	2017-09-14 15:11
264,167	55,151	0,365	0,390	4769,544	5189,606	91,284	8,031	508,836	5,499	11,036	4,289	2017-09-14 15:11
264,333	55,155	0,365	0,390	4781,413	5136,973	86,135	7,900	508,836	5,417	11,100	4,301	2017-09-14 15:11
264,500	55,162	0,365	0,391	4774,743	5202,440	82,990	7,985	508,836	5,541	10,888	4,260	2017-09-14 15:12
264,667	55,170	0,365	0,390	4758,523	5200,540	62,884	8,138	508,836	5,556	10,994	4,281	2017-09-14 15:12
264,833	55,174	0,365	0,391	4761,596	5200,594	64,326	8,123	508,836	5,637	10,644	4,212	2017-09-14 15:12
265,000	55,178	0,365	0,391	4763,100	5165,507	58,742	8,213	508,836	5,100	11,215	4,323	2017-09-14 15:12
265,167	55,176	0,364	0,390	4761,264	5245,509	51,338	8,445	508,836	5,311	10,906	4,263	2017-09-14 15:12

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
265,334	0,205	0,551	0,514	0,137	0,272	59,526	20,365	22,904	21,535	21,426	21,362	21,108	21,948	20,600	69,163	56,707	65,855
265,500	0,205	0,571	0,514	0,145	0,267	59,455	20,385	22,885	21,558	21,428	21,371	21,112	21,953	20,597	69,177	56,712	65,868
265,667	0,207	0,577	0,514	0,142	0,271	59,451	20,389	22,867	21,540	21,428	21,382	21,094	21,960	20,602	69,344	56,719	65,865
265,834	0,208	0,565	0,514	0,131	0,263	59,414	20,393	22,857	21,544	21,426	21,365	21,112	21,960	20,601	69,446	56,723	65,890
266,000	0,210	0,558	0,514	0,135	0,270	59,467	20,395	22,861	21,542	21,428	21,385	21,095	21,943	20,604	69,411	56,732	65,900
266,167	0,211	0,550	0,514	0,136	0,273	59,533	20,399	22,887	21,552	21,438	21,377	21,099	21,968	20,610	69,408	56,739	65,934
266,334	0,210	0,547	0,514	0,143	0,272	59,551	20,381	22,855	21,540	21,429	21,408	21,100	21,960	20,602	69,317	56,744	65,989
266,500	0,208	0,548	0,514	0,133	0,282	59,550	20,391	22,861	21,539	21,412	21,352	21,121	21,965	20,604	69,230	56,744	66,021
266,667	0,208	0,543	0,514	0,136	0,281	59,550	20,390	22,862	21,556	21,437	21,399	21,110	21,959	20,616	69,434	56,754	66,041
266,834	0,210	0,539	0,514	0,134	0,269	59,570	20,380	22,856	21,562	21,454	21,395	21,127	21,968	20,622	69,424	56,758	66,049
267,000	0,215	0,524	0,514	0,141	0,269	59,538	20,382	22,861	21,546	21,420	21,374	21,105	21,955	20,606	69,453	56,764	66,055
267,167	0,218	0,516	0,514	0,138	0,274	59,545	20,395	22,854	21,533	21,430	21,408	21,100	21,969	20,608	69,375	56,767	66,086
267,334	0,214	0,518	0,513	0,135	0,255	59,540	20,390	22,875	21,551	21,429	21,368	21,116	21,973	20,613	69,507	56,772	66,115
267,500	0,212	0,518	0,513	0,139	0,271	59,604	20,393	22,899	21,553	21,449	21,414	21,117	21,965	20,612	69,505	56,784	66,142
267,667	0,210	0,521	0,513	0,142	0,274	59,549	20,395	22,896	21,556	21,432	21,361	21,116	21,976	20,616	69,485	56,783	66,144
267,833	0,210	0,521	0,513	0,129	0,270	59,564	20,388	22,870	21,564	21,445	21,404	21,128	21,967	20,613	69,458	56,784	66,171
268,000	0,207	0,543	0,513	0,129	0,277	59,512	20,386	22,901	21,551	21,433	21,399	21,127	21,971	20,617	69,395	56,787	66,211
268,167	0,205	0,579	0,513	0,137	0,271	59,551	20,369	22,876	21,557	21,444	21,370	21,126	21,973	20,613	69,451	56,790	66,223
268,333	0,204	0,605	0,513	0,137	0,273	59,525	20,380	22,883	21,552	21,440	21,404	21,115	21,969	20,613	69,748	56,787	66,221
268,500	0,204	0,607	0,513	0,128	0,281	59,557	20,382	22,876	21,556	21,434	21,355	21,109	21,976	20,613	69,893	56,795	66,191
268,667	0,204	0,605	0,513	0,141	0,273	59,564	20,393	22,889	21,550	21,423	21,403	21,112	21,970	20,612	69,938	56,801	66,169
268,833	0,204	0,602	0,513	0,140	0,283	59,571	20,384	22,882	21,545	21,428	21,377	21,103	21,980	20,612	70,009	56,796	66,229
269,000	0,207	0,580	0,513	0,142	0,282	59,622	20,385	22,891	21,560	21,436	21,408	21,120	21,965	20,609	69,857	56,792	66,300
269,167	0,210	0,541	0,513	0,143	0,264	59,685	20,398	22,862	21,545	21,425	21,365	21,117	21,976	20,609	69,688	56,778	66,375
269,333	0,212	0,511	0,513	0,138	0,275	59,631	20,389	22,903	21,548	21,419	21,403	21,111	21,964	20,613	69,682	56,770	66,437
269,500	0,211	0,499	0,513	0,133	0,262	59,640	20,395	22,866	21,553	21,444	21,376	21,123	21,982	20,614	69,803	56,762	66,502
269,667	0,210	0,503	0,513	0,140	0,273	59,668	20,385	22,844	21,541	21,428	21,397	21,106	21,970	20,612	69,916	56,758	66,493
269,833	0,209	0,510	0,513	0,139	0,276	59,612	20,372	22,863	21,551	21,441	21,365	21,133	21,980	20,616	69,829	56,759	66,428
270,000	0,207	0,526	0,513	0,140	0,268	59,560	20,372	22,858	21,544	21,430	21,391	21,116	21,976	20,612	69,769	56,764	66,431

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
265,334	55,178	0,364	0,390	4770,683	5196,621	41,915	8,786	508,836	5,477	10,886	4,259	2017-09-14 15:12
265,500	55,180	0,365	0,390	4779,361	5203,513	38,302	9,267	508,836	5,783	10,676	4,218	2017-09-14 15:13
265,667	55,180	0,365	0,391	4781,729	5274,568	49,653	9,427	508,836	5,693	10,849	4,252	2017-09-14 15:13
265,834	55,184	0,365	0,390	4786,250	5314,256	60,306	9,125	508,836	5,244	10,532	4,190	2017-09-14 15:13
266,000	55,190	0,365	0,390	4788,713	5294,405	69,562	8,952	508,836	5,402	10,798	4,242	2017-09-14 15:13
266,167	55,194	0,365	0,390	4798,388	5291,719	74,395	8,752	508,836	5,453	10,920	4,266	2017-09-14 15:13
266,334	55,188	0,365	0,390	4826,096	5249,389	72,623	8,668	508,836	5,704	10,886	4,259	2017-09-14 15:13
266,500	55,180	0,365	0,390	4847,000	5214,771	57,627	8,702	508,836	5,331	11,268	4,334	2017-09-14 15:14
266,667	55,172	0,365	0,390	4859,169	5297,099	60,973	8,580	508,836	5,420	11,249	4,330	2017-09-14 15:14
266,834	55,165	0,365	0,390	4868,160	5297,719	69,322	8,469	508,836	5,369	10,754	4,234	2017-09-14 15:14
267,000	55,159	0,367	0,390	4871,881	5333,235	98,695	8,089	508,836	5,648	10,770	4,237	2017-09-14 15:14
267,167	55,155	0,367	0,391	4889,440	5296,032	122,610	7,895	508,836	5,500	10,940	4,270	2017-09-14 15:14
267,334	55,151	0,367	0,391	4905,799	5350,706	97,580	7,955	508,741	5,397	10,199	4,123	2017-09-14 15:14
267,500	55,151	0,367	0,390	4912,601	5345,383	81,524	7,940	508,741	5,558	10,835	4,250	2017-09-14 15:15
267,667	55,149	0,367	0,390	4909,635	5336,561	71,424	8,037	508,742	5,684	10,953	4,273	2017-09-14 15:15
267,833	55,151	0,367	0,390	4921,767	5322,510	69,145	8,024	508,741	5,178	10,810	4,245	2017-09-14 15:15
268,000	55,149	0,367	0,390	4942,940	5291,570	54,114	8,580	508,741	5,179	11,087	4,299	2017-09-14 15:15
268,167	55,131	0,367	0,390	4955,871	5320,988	40,008	9,480	508,741	5,479	10,847	4,252	2017-09-14 15:15
268,333	55,110	0,367	0,390	4962,176	5446,235	35,578	10,128	508,741	5,496	10,925	4,267	2017-09-14 15:15
268,500	55,091	0,367	0,390	4962,974	5508,655	35,164	10,181	508,741	5,111	11,242	4,329	2017-09-14 15:16
268,667	55,072	0,367	0,390	4957,421	5519,158	34,942	10,120	508,741	5,632	10,900	4,262	2017-09-14 15:16
268,833	55,063	0,367	0,390	4984,406	5550,324	34,327	10,041	508,741	5,612	11,333	4,346	2017-09-14 15:16
269,000	55,052	0,366	0,389	5012,968	5476,966	49,180	9,508	508,741	5,686	11,293	4,338	2017-09-14 15:16
269,167	55,046	0,366	0,389	5050,952	5413,070	72,438	8,522	508,741	5,708	10,568	4,197	2017-09-14 15:16
269,333	55,042	0,366	0,389	5083,201	5415,836	85,690	7,777	508,741	5,507	11,009	4,284	2017-09-14 15:16
269,500	55,039	0,366	0,389	5110,460	5467,922	76,771	7,480	508,741	5,307	10,486	4,180	2017-09-14 15:17
269,667	55,038	0,367	0,390	5111,305	5525,838	68,849	7,586	508,741	5,616	10,913	4,265	2017-09-14 15:17
269,833	55,038	0,367	0,390	5091,488	5493,080	63,238	7,756	508,741	5,554	11,035	4,289	2017-09-14 15:17
270,000	55,027	0,367	0,389	5085,649	5467,336	50,073	8,147	508,741	5,585	10,739	4,231	2017-09-14 15:17

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
270,167	0,206	0,541	0,513	0,143	0,276	59,564	20,380	22,863	21,547	21,419	21,380	21,128	21,972	20,616	69,732	56,766	66,433
270,333	0,207	0,540	0,513	0,133	0,272	59,564	20,372	22,866	21,553	21,427	21,390	21,128	21,986	20,620	69,713	56,759	66,458
270,500	0,211	0,526	0,513	0,142	0,271	59,609	20,351	22,867	21,548	21,424	21,393	21,102	21,976	20,613	69,710	56,755	66,452
270,667	0,211	0,512	0,513	0,134	0,279	59,663	20,359	22,857	21,541	21,424	21,369	21,112	21,969	20,613	69,800	56,751	66,436
270,833	0,209	0,520	0,513	0,136	0,272	59,613	20,356	22,861	21,548	21,425	21,423	21,141	21,980	20,617	69,816	56,751	66,429
271,000	0,209	0,536	0,513	0,142	0,271	59,574	20,360	22,871	21,547	21,419	21,365	21,112	21,963	20,613	69,810	56,748	66,405
271,167	0,210	0,535	0,513	0,139	0,275	59,679	20,371	22,888	21,548	21,424	21,404	21,120	21,978	20,614	70,002	56,740	66,408
271,333	0,209	0,538	0,513	0,133	0,278	59,745	20,392	22,886	21,536	21,431	21,369	21,132	21,985	20,617	69,845	56,727	66,425
271,500	0,208	0,530	0,513	0,133	0,279	59,708	20,373	22,876	21,535	21,423	21,410	21,106	21,986	20,614	69,850	56,719	66,437
271,667	0,206	0,527	0,513	0,131	0,268	59,737	20,407	22,879	21,556	21,419	21,391	21,119	22,003	20,618	69,659	56,707	66,435
271,834	0,206	0,536	0,513	0,140	0,269	59,723	20,381	22,900	21,530	21,418	21,354	21,121	21,976	20,616	69,740	56,702	66,475
272,000	0,206	0,550	0,513	0,138	0,273	59,792	20,389	22,908	21,545	21,427	21,406	21,121	21,986	20,618	69,913	56,696	66,475
272,167	0,206	0,559	0,513	0,133	0,271	59,817	20,358	22,909	21,543	21,424	21,364	21,124	21,986	20,618	70,031	56,690	66,448
272,334	0,205	0,567	0,513	0,130	0,278	59,792	20,401	22,908	21,536	21,436	21,407	21,121	21,988	20,618	70,010	56,697	66,419
272,500	0,204	0,572	0,513	0,136	0,273	59,850	20,423	22,899	21,547	21,407	21,388	21,116	21,988	20,617	70,021	56,694	66,459
272,667	0,205	0,570	0,513	0,142	0,275	59,861	20,436	22,896	21,555	21,425	21,389	21,112	21,977	20,618	69,868	56,693	66,517
272,834	0,204	0,559	0,513	0,138	0,280	59,888	20,416	22,910	21,542	21,425	21,398	21,117	21,989	20,621	70,095	56,688	66,547
273,000	0,205	0,555	0,513	0,137	0,258	59,901	20,419	22,942	21,552	21,422	21,381	21,129	21,990	20,620	70,134	56,681	66,564
273,167	0,205	0,548	0,513	0,135	0,270	59,932	20,414	22,944	21,548	21,414	21,389	21,127	21,995	20,620	70,160	56,678	66,559
273,334	0,205	0,547	0,513	0,141	0,266	59,880	20,427	22,950	21,547	21,422	21,375	21,115	21,992	20,621	70,126	56,670	66,563
273,500	0,205	0,547	0,513	0,140	0,260	59,897	20,449	22,924	21,540	21,431	21,409	21,122	21,988	20,627	69,996	56,673	66,619
273,667	0,206	0,530	0,513	0,150	0,273	59,868	20,470	22,883	21,535	21,418	21,368	21,120	21,994	20,622	70,145	56,666	66,649
273,834	0,207	0,510	0,513	0,137	0,274	59,885	20,456	22,864	21,555	21,419	21,427	21,137	21,981	20,625	70,172	56,660	66,675
274,000	0,209	0,506	0,513	0,137	0,270	59,823	20,428	22,887	21,555	21,422	21,372	21,124	21,982	20,625	70,273	56,661	66,671
274,167	0,209	0,519	0,512	0,130	0,270	59,742	20,451	22,881	21,556	21,423	21,398	21,125	21,993	20,625	70,407	56,662	66,658
274,334	0,207	0,534	0,513	0,137	0,273	59,708	20,470	22,888	21,556	21,424	21,394	21,129	21,985	20,627	70,389	56,661	66,676
274,500	0,207	0,543	0,512	0,141	0,272	59,756	20,452	22,887	21,547	21,429	21,376	21,138	21,998	20,626	70,378	56,665	66,712
274,667	0,206	0,554	0,513	0,140	0,278	59,717	20,444	22,891	21,547	21,418	21,389	21,116	22,003	20,627	70,234	56,661	66,772
274,833	0,208	0,543	0,513	0,139	0,276	59,686	20,449	22,879	21,544	21,427	21,381	21,128	22,001	20,630	69,967	56,666	66,826

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
270,167	55,018	0,366	0,389	5088,887	5436,632	46,290	8,522	508,648	5,734	11,055	4,292	2017-09-14 15:17
270,333	55,003	0,366	0,389	5106,313	5431,542	49,820	8,499	508,741	5,325	10,863	4,255	2017-09-14 15:17
270,500	54,984	0,366	0,389	5116,128	5434,477	75,635	8,140	508,741	5,674	10,841	4,251	2017-09-14 15:18
270,667	54,972	0,366	0,390	5116,299	5475,367	73,773	7,810	508,648	5,358	11,150	4,311	2017-09-14 15:18
270,833	54,961	0,366	0,389	5113,630	5478,105	61,404	7,988	508,648	5,457	10,881	4,259	2017-09-14 15:18
271,000	54,949	0,367	0,390	5111,835	5481,389	63,273	8,411	508,647	5,664	10,858	4,254	2017-09-14 15:18
271,167	54,951	0,367	0,390	5114,089	5569,454	71,657	8,381	508,741	5,561	11,012	4,284	2017-09-14 15:18
271,333	54,945	0,367	0,390	5124,839	5510,351	64,965	8,438	508,741	5,310	11,107	4,303	2017-09-14 15:18
271,500	54,941	0,367	0,389	5126,563	5515,480	58,322	8,257	508,648	5,319	11,171	4,315	2017-09-14 15:19
271,667	54,943	0,367	0,389	5125,362	5435,645	46,502	8,177	508,647	5,235	10,725	4,228	2017-09-14 15:19
271,834	54,937	0,367	0,390	5152,697	5477,675	48,399	8,403	508,648	5,613	10,759	4,235	2017-09-14 15:19
272,000	54,933	0,367	0,390	5155,019	5551,365	43,135	8,758	508,741	5,535	10,911	4,264	2017-09-14 15:19
272,167	54,922	0,367	0,389	5141,431	5598,577	43,559	8,978	508,648	5,304	10,841	4,251	2017-09-14 15:19
272,334	54,913	0,366	0,389	5129,902	5583,495	38,538	9,186	508,647	5,190	11,135	4,308	2017-09-14 15:19
272,500	54,904	0,366	0,389	5154,326	5591,594	34,334	9,297	508,648	5,460	10,904	4,263	2017-09-14 15:20
272,667	54,893	0,366	0,389	5185,320	5527,104	36,238	9,254	508,647	5,661	11,005	4,283	2017-09-14 15:20
272,834	54,884	0,366	0,390	5204,961	5624,603	36,026	8,973	508,647	5,535	11,206	4,322	2017-09-14 15:20
273,000	54,880	0,367	0,389	5213,224	5646,121	36,645	8,882	508,648	5,466	10,324	4,148	2017-09-14 15:20
273,167	54,874	0,367	0,389	5213,220	5661,818	41,860	8,698	508,648	5,414	10,799	4,242	2017-09-14 15:20
273,334	54,878	0,367	0,390	5215,436	5653,522	40,206	8,673	508,648	5,641	10,630	4,209	2017-09-14 15:20
273,500	54,878	0,366	0,390	5239,341	5589,351	42,305	8,684	508,648	5,587	10,396	4,163	2017-09-14 15:21
273,667	54,877	0,367	0,389	5249,449	5660,313	46,863	8,261	508,648	5,985	10,917	4,266	2017-09-14 15:21
273,834	54,876	0,366	0,389	5263,510	5667,235	54,608	7,758	508,648	5,463	10,964	4,275	2017-09-14 15:21
274,000	54,877	0,366	0,389	5257,684	5711,007	62,126	7,657	508,648	5,486	10,783	4,239	2017-09-14 15:21
274,167	54,872	0,367	0,389	5254,358	5773,829	62,606	7,986	508,554	5,209	10,797	4,242	2017-09-14 15:21
274,334	54,864	0,367	0,389	5269,516	5765,476	54,642	8,356	508,648	5,475	10,918	4,266	2017-09-14 15:21
274,500	54,854	0,366	0,389	5283,104	5750,551	49,445	8,585	508,554	5,627	10,865	4,255	2017-09-14 15:22
274,667	54,850	0,367	0,389	5318,761	5698,035	45,602	8,847	508,648	5,596	11,122	4,305	2017-09-14 15:22
274,833	54,846	0,367	0,390	5349,299	5585,941	60,740	8,566	508,648	5,544	11,024	4,286	2017-09-14 15:22

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
275,000	0,209	0,520	0,513	0,135	0,275	59,749	20,435	22,888	21,544	21,422	21,409	21,142	21,992	20,627	70,044	56,662	66,857
275,167	0,210	0,516	0,512	0,132	0,270	59,749	20,457	22,907	21,548	21,422	21,403	21,137	22,001	20,629	70,083	56,666	66,847
275,333	0,212	0,513	0,512	0,140	0,275	59,778	20,453	22,894	21,538	21,426	21,400	21,146	21,994	20,630	69,969	56,666	66,804
275,500	0,214	0,515	0,512	0,138	0,267	59,741	20,465	22,903	21,547	21,422	21,397	21,141	22,010	20,630	69,963	56,676	66,733
275,667	0,213	0,518	0,512	0,133	0,280	59,768	20,457	22,919	21,552	21,440	21,401	21,149	22,009	20,638	70,110	56,676	66,689
275,833	0,210	0,518	0,512	0,138	0,276	59,798	20,500	22,921	21,548	21,424	21,377	21,144	21,998	20,633	70,064	56,672	66,675
276,000	0,209	0,519	0,512	0,142	0,272	59,774	20,536	22,956	21,554	21,432	21,388	21,140	22,005	20,631	70,184	56,658	66,644
276,167	0,209	0,508	0,512	0,137	0,266	59,726	20,513	22,948	21,540	21,423	21,380	21,142	22,002	20,630	70,200	56,654	66,590
276,333	0,210	0,492	0,512	0,137	0,273	59,703	20,470	22,922	21,548	21,417	21,398	21,132	22,001	20,631	70,151	56,649	66,605
276,500	0,210	0,486	0,512	0,137	0,281	59,665	20,477	22,935	21,544	21,418	21,362	21,131	21,998	20,630	69,940	56,646	66,622
276,667	0,210	0,487	0,512	0,146	0,268	59,681	20,490	22,938	21,558	21,422	21,413	21,140	22,018	20,635	69,851	56,641	66,653
276,833	0,211	0,487	0,512	0,126	0,268	59,677	20,523	22,919	21,539	21,424	21,372	21,137	22,013	20,634	69,850	56,631	66,691
277,000	0,212	0,483	0,513	0,133	0,283	59,684	20,492	22,926	21,548	21,420	21,409	21,136	22,000	20,634	69,810	56,626	66,669
277,167	0,212	0,488	0,512	0,143	0,273	59,658	20,503	22,909	21,544	21,430	21,371	21,141	22,010	20,633	69,928	56,625	66,614
277,333	0,213	0,494	0,512	0,149	0,280	59,702	20,508	22,895	21,538	21,426	21,427	21,145	22,007	20,635	69,948	56,633	66,544
277,500	0,214	0,499	0,512	0,140	0,271	59,654	20,502	22,896	21,543	21,431	21,398	21,145	22,005	20,637	69,895	56,641	66,501
277,667	0,214	0,515	0,512	0,130	0,276	59,705	20,477	22,870	21,551	21,426	21,381	21,150	22,008	20,638	69,717	56,645	66,498
277,833	0,209	0,534	0,512	0,135	0,273	59,638	20,506	22,878	21,543	21,422	21,405	21,143	21,997	20,637	69,724	56,645	66,505
278,000	0,205	0,558	0,512	0,138	0,283	59,611	20,515	22,868	21,537	21,430	21,384	21,135	22,009	20,639	70,138	56,647	66,514
278,167	0,206	0,557	0,512	0,130	0,272	59,688	20,521	22,843	21,542	21,432	21,405	21,161	22,017	20,643	69,927	56,654	66,508
278,333	0,207	0,535	0,512	0,135	0,261	59,658	20,486	22,902	21,541	21,430	21,400	21,149	22,021	20,645	69,950	56,655	66,466
278,500	0,209	0,517	0,512	0,136	0,272	59,631	20,520	22,916	21,560	21,427	21,412	21,157	22,019	20,645	69,919	56,657	66,424
278,667	0,211	0,504	0,512	0,143	0,280	59,639	20,508	22,929	21,559	21,427	21,405	21,145	22,036	20,649	69,851	56,655	66,474
278,834	0,214	0,503	0,512	0,150	0,264	59,710	20,545	22,907	21,537	21,431	21,419	21,160	22,018	20,645	69,701	56,649	66,499
279,000	0,216	0,503	0,512	0,139	0,272	59,738	20,537	22,925	21,556	21,422	21,375	21,152	22,010	20,641	69,775	56,637	66,497
279,167	0,211	0,511	0,512	0,137	0,270	59,728	20,563	22,907	21,550	21,434	21,430	21,154	22,014	20,643	69,806	56,638	66,489
279,334	0,208	0,531	0,512	0,134	0,278	59,728	20,538	22,886	21,553	21,440	21,378	21,156	22,021	20,646	69,865	56,638	66,450
279,500	0,207	0,549	0,512	0,135	0,271	59,719	20,580	22,881	21,547	21,429	21,429	21,156	22,016	20,646	69,819	56,649	66,402
279,667	0,206	0,546	0,512	0,131	0,277	59,719	20,548	22,879	21,554	21,438	21,380	21,156	22,027	20,650	69,795	56,658	66,398

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
275,000	54,844	0,367	0,390	5361,412	5616,711	65,990	7,994	508,648	5,397	11,009	4,283	2017-09-14 15:22
275,167	54,839	0,367	0,390	5361,076	5635,587	67,953	7,889	508,554	5,263	10,798	4,242	2017-09-14 15:22
275,333	54,841	0,367	0,390	5340,350	5589,317	81,531	7,836	508,554	5,612	10,982	4,278	2017-09-14 15:22
275,500	54,841	0,367	0,390	5310,694	5579,892	95,547	7,884	508,554	5,512	10,678	4,219	2017-09-14 15:23
275,667	54,846	0,366	0,389	5284,197	5634,414	88,202	7,940	508,554	5,317	11,182	4,317	2017-09-14 15:23
275,833	54,846	0,366	0,390	5278,958	5616,508	73,109	7,960	508,554	5,522	11,053	4,292	2017-09-14 15:23
276,000	54,845	0,366	0,389	5263,484	5674,801	63,690	7,984	508,554	5,691	10,875	4,257	2017-09-14 15:23
276,167	54,838	0,367	0,390	5250,927	5686,147	65,059	7,698	508,554	5,499	10,656	4,214	2017-09-14 15:23
276,333	54,838	0,366	0,390	5254,683	5663,287	68,109	7,290	508,554	5,462	10,923	4,267	2017-09-14 15:23
276,500	54,845	0,366	0,389	5253,013	5575,621	70,389	7,160	508,554	5,473	11,238	4,328	2017-09-14 15:24
276,667	54,860	0,367	0,389	5261,936	5546,145	68,731	7,184	508,554	5,828	10,712	4,225	2017-09-14 15:24
276,833	54,872	0,367	0,390	5280,757	5551,986	76,080	7,171	508,553	5,041	10,704	4,224	2017-09-14 15:24
277,000	54,882	0,367	0,390	5263,224	5533,915	81,941	7,086	508,647	5,330	11,327	4,345	2017-09-14 15:24
277,167	54,893	0,366	0,390	5232,547	5581,092	84,877	7,203	508,554	5,730	10,923	4,267	2017-09-14 15:24
277,333	54,901	0,366	0,389	5194,598	5587,493	90,196	7,356	508,554	5,979	11,196	4,320	2017-09-14 15:24
277,500	54,905	0,366	0,389	5167,670	5549,296	93,275	7,470	508,554	5,584	10,849	4,252	2017-09-14 15:25
277,667	54,909	0,366	0,389	5166,851	5473,634	96,419	7,874	508,554	5,218	11,042	4,290	2017-09-14 15:25
277,833	54,910	0,366	0,389	5165,379	5474,986	66,653	8,360	508,554	5,419	10,916	4,265	2017-09-14 15:25
278,000	54,912	0,366	0,389	5173,199	5654,382	42,322	8,944	508,554	5,520	11,308	4,341	2017-09-14 15:25
278,167	54,912	0,366	0,390	5174,907	5564,309	44,125	8,921	508,554	5,200	10,890	4,260	2017-09-14 15:25
278,333	54,914	0,364	0,390	5156,203	5547,474	51,762	8,376	508,553	5,415	10,459	4,175	2017-09-14 15:25
278,500	54,921	0,365	0,390	5139,311	5543,406	62,654	7,920	508,554	5,440	10,891	4,260	2017-09-14 15:26
278,667	54,935	0,365	0,390	5152,478	5512,912	75,447	7,604	508,554	5,713	11,195	4,319	2017-09-14 15:26
278,834	54,945	0,365	0,390	5160,456	5455,031	93,886	7,587	508,554	6,006	10,577	4,199	2017-09-14 15:26
279,000	54,959	0,364	0,390	5148,552	5476,650	107,110	7,585	508,554	5,545	10,868	4,256	2017-09-14 15:26
279,167	54,965	0,364	0,390	5143,283	5493,291	75,288	7,764	508,554	5,481	10,813	4,245	2017-09-14 15:26
279,334	54,973	0,364	0,390	5120,882	5515,619	56,015	8,272	508,554	5,370	11,103	4,302	2017-09-14 15:26
279,500	54,980	0,365	0,390	5098,473	5500,360	49,319	8,724	508,554	5,416	10,823	4,247	2017-09-14 15:27
279,667	54,981	0,365	0,390	5102,365	5489,604	45,890	8,638	508,554	5,255	11,064	4,294	2017-09-14 15:27

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
279,834	0,206	0,540	0,512	0,144	0,277	59,685	20,601	22,868	21,570	21,452	21,410	21,160	22,025	20,653	69,749	56,665	66,421
280,000	0,206	0,527	0,512	0,141	0,281	59,651	20,532	22,871	21,566	21,430	21,387	21,164	22,023	20,646	69,962	56,664	66,423
280,167	0,207	0,512	0,512	0,140	0,263	59,648	20,545	22,862	21,538	21,430	21,433	21,160	22,026	20,649	69,954	56,668	66,432
280,334	0,207	0,505	0,512	0,143	0,272	59,590	20,549	22,859	21,562	21,418	21,388	21,162	22,019	20,649	69,908	56,670	66,413
280,500	0,208	0,503	0,512	0,133	0,271	59,644	20,540	22,886	21,553	21,434	21,388	21,152	22,044	20,647	69,915	56,672	66,421
280,667	0,209	0,499	0,512	0,134	0,277	59,709	20,541	22,878	21,556	21,434	21,375	21,175	22,017	20,649	69,767	56,673	66,467
280,834	0,210	0,508	0,512	0,142	0,273	59,690	20,536	22,880	21,560	21,429	21,403	21,156	22,025	20,649	69,651	56,680	66,483
281,000	0,209	0,512	0,512	0,142	0,271	59,639	20,533	22,863	21,559	21,425	21,400	21,169	22,023	20,650	69,901	56,685	66,502
281,167	0,208	0,513	0,512	0,134	0,276	59,654	20,533	22,846	21,546	21,416	21,404	21,160	22,029	20,650	69,866	56,688	66,491
281,333	0,213	0,501	0,512	0,136	0,269	59,620	20,647	22,873	21,562	21,438	21,397	21,161	22,039	20,651	69,918	56,690	66,456
281,500	0,218	0,480	0,512	0,133	0,271	59,664	20,636	22,871	21,558	21,427	21,419	21,152	22,016	20,650	69,803	56,698	66,436
281,667	0,218	0,478	0,512	0,136	0,267	59,665	20,600	22,866	21,566	21,430	21,390	21,166	22,038	20,653	69,717	56,711	66,471
281,833	0,214	0,481	0,512	0,131	0,274	59,704	20,590	22,899	21,547	21,434	21,434	21,174	22,027	20,655	69,693	56,719	66,468
282,000	0,214	0,482	0,512	0,136	0,263	59,677	20,595	22,897	21,571	21,443	21,378	21,153	22,030	20,654	69,644	56,721	66,451
282,167	0,215	0,480	0,512	0,132	0,256	59,714	20,576	22,932	21,564	21,447	21,416	21,173	22,027	20,655	69,547	56,729	66,439
282,333	0,217	0,474	0,512	0,137	0,273	59,675	20,558	22,982	21,578	21,454	21,401	21,163	22,034	20,661	69,663	56,733	66,392
282,500	0,216	0,462	0,512	0,133	0,271	59,689	20,573	22,978	21,566	21,442	21,426	21,164	22,031	20,658	69,830	56,736	66,366
282,667	0,218	0,460	0,512	0,129	0,271	59,627	20,591	22,963	21,566	21,459	21,381	21,172	22,029	20,658	69,698	56,735	66,343
282,833	0,215	0,464	0,512	0,132	0,272	59,598	20,570	22,957	21,585	21,448	21,426	21,165	22,028	20,659	69,679	56,731	66,316
283,000	0,213	0,470	0,512	0,135	0,277	59,610	20,587	22,924	21,585	21,460	21,408	21,181	22,033	20,665	69,627	56,731	66,303
283,167	0,215	0,475	0,512	0,140	0,270	59,619	20,594	22,927	21,571	21,456	21,383	21,167	22,041	20,661	69,511	56,728	66,312
283,333	0,215	0,484	0,512	0,139	0,274	59,659	20,602	22,932	21,593	21,466	21,421	21,189	22,046	20,667	69,542	56,728	66,319
283,500	0,214	0,496	0,512	0,131	0,262	59,660	20,618	22,920	21,591	21,446	21,394	21,164	22,033	20,663	69,597	56,731	66,316
283,667	0,213	0,515	0,512	0,132	0,274	59,637	20,637	22,931	21,585	21,469	21,434	21,173	22,038	20,662	69,889	56,736	66,296
283,833	0,210	0,541	0,512	0,145	0,262	59,624	20,607	22,944	21,583	21,462	21,404	21,186	22,047	20,667	69,777	56,743	66,260
284,000	0,209	0,555	0,512	0,137	0,278	59,617	20,612	22,941	21,604	21,446	21,420	21,189	22,033	20,662	69,800	56,740	66,241
284,167	0,209	0,558	0,512	0,137	0,279	59,669	20,600	22,924	21,592	21,465	21,382	21,164	22,045	20,662	69,841	56,743	66,223
284,333	0,210	0,565	0,512	0,136	0,270	59,698	20,594	22,911	21,604	21,460	21,417	21,169	22,030	20,663	69,746	56,739	66,291
284,500	0,210	0,558	0,512	0,133	0,266	59,672	20,590	22,943	21,585	21,462	21,400	21,173	22,035	20,663	69,768	56,740	66,362

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
279,834	54,988	0,365	0,390	5107,434	5468,003	43,361	8,508	508,554	5,746	11,086	4,298	2017-09-14 15:27
280,000	54,985	0,365	0,390	5106,758	5551,024	46,078	8,184	508,554	5,649	11,228	4,326	2017-09-14 15:27
280,167	54,991	0,364	0,390	5105,759	5540,889	50,285	7,805	508,554	5,586	10,520	4,187	2017-09-14 15:27
280,334	54,999	0,364	0,389	5089,929	5515,415	53,218	7,628	508,554	5,733	10,883	4,259	2017-09-14 15:27
280,500	55,003	0,365	0,390	5101,326	5528,499	58,878	7,570	508,554	5,308	10,851	4,253	2017-09-14 15:28
280,667	55,011	0,364	0,390	5118,520	5463,614	62,255	7,471	508,553	5,362	11,071	4,295	2017-09-14 15:28
280,834	55,023	0,365	0,390	5117,023	5416,991	68,116	7,690	508,554	5,679	10,931	4,268	2017-09-14 15:28
281,000	55,031	0,365	0,390	5124,011	5515,365	65,785	7,800	508,554	5,675	10,827	4,248	2017-09-14 15:28
281,167	55,036	0,365	0,390	5116,277	5500,913	57,839	7,836	508,461	5,363	11,042	4,290	2017-09-14 15:28
281,333	55,042	0,365	0,390	5096,258	5528,265	86,906	7,513	508,460	5,459	10,760	4,235	2017-09-14 15:28
281,500	55,050	0,365	0,390	5082,284	5473,656	120,469	6,997	508,461	5,336	10,823	4,247	2017-09-14 15:29
281,667	55,058	0,365	0,390	5096,818	5432,519	120,956	6,943	508,461	5,448	10,661	4,215	2017-09-14 15:29
281,833	55,055	0,365	0,390	5100,618	5422,290	95,286	7,014	508,460	5,228	10,976	4,277	2017-09-14 15:29
282,000	55,056	0,365	0,390	5093,327	5400,331	93,056	7,062	508,460	5,430	10,507	4,185	2017-09-14 15:29
282,167	55,058	0,365	0,390	5084,830	5351,862	101,631	7,001	508,461	5,298	10,228	4,129	2017-09-14 15:29
282,333	55,059	0,365	0,391	5069,386	5403,680	114,653	6,845	508,461	5,464	10,912	4,265	2017-09-14 15:29
282,500	55,066	0,365	0,390	5047,055	5471,891	109,191	6,556	508,460	5,340	10,836	4,250	2017-09-14 15:30
282,667	55,064	0,365	0,389	5032,216	5411,365	120,514	6,508	508,460	5,178	10,854	4,253	2017-09-14 15:30
282,833	55,072	0,365	0,390	5023,396	5403,717	104,053	6,591	508,460	5,267	10,867	4,256	2017-09-14 15:30
283,000	55,079	0,365	0,390	5018,427	5386,325	89,265	6,741	508,553	5,405	11,081	4,298	2017-09-14 15:30
283,167	55,082	0,365	0,390	5017,074	5335,957	99,967	6,868	508,460	5,610	10,808	4,244	2017-09-14 15:30
283,333	55,087	0,365	0,390	5016,355	5348,353	101,447	7,092	508,460	5,562	10,964	4,275	2017-09-14 15:30
283,500	55,091	0,365	0,390	5013,359	5371,214	92,858	7,396	508,461	5,237	10,488	4,181	2017-09-14 15:31
283,667	55,093	0,365	0,390	5007,464	5493,520	90,349	7,875	508,461	5,290	10,941	4,270	2017-09-14 15:31
283,833	55,094	0,365	0,390	4987,653	5446,166	68,620	8,513	508,553	5,784	10,463	4,176	2017-09-14 15:31
284,000	55,095	0,365	0,390	4974,291	5454,650	64,739	8,883	508,461	5,468	11,108	4,303	2017-09-14 15:31
284,167	55,097	0,365	0,389	4962,948	5468,947	62,015	8,956	508,461	5,490	11,159	4,313	2017-09-14 15:31
284,333	55,098	0,365	0,389	4990,806	5435,819	69,968	9,115	508,460	5,434	10,811	4,245	2017-09-14 15:31
284,500	55,098	0,365	0,390	5030,513	5441,138	67,685	8,951	508,461	5,306	10,637	4,210	2017-09-14 15:32

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
284,667	0,209	0,549	0,512	0,134	0,272	59,705	20,582	22,939	21,605	21,462	21,421	21,185	22,041	20,665	69,997	56,739	66,381
284,833	0,208	0,539	0,512	0,141	0,270	59,693	20,574	22,941	21,596	21,465	21,383	21,184	22,020	20,661	69,869	56,747	66,394
285,000	0,208	0,530	0,512	0,146	0,280	59,766	20,552	22,967	21,583	21,481	21,441	21,186	22,039	20,665	69,891	56,749	66,412
285,167	0,212	0,519	0,512	0,133	0,266	59,819	20,522	22,973	21,588	21,459	21,403	21,175	22,046	20,667	69,913	56,754	66,416
285,334	0,213	0,515	0,512	0,140	0,262	59,848	20,514	22,978	21,592	21,476	21,420	21,173	22,029	20,665	69,892	56,766	66,464
285,500	0,208	0,511	0,512	0,129	0,266	59,809	20,577	22,968	21,604	21,472	21,403	21,173	22,050	20,670	69,885	56,764	66,499
285,667	0,207	0,510	0,512	0,138	0,270	59,774	20,575	22,994	21,610	21,477	21,423	21,189	22,038	20,671	69,924	56,770	66,479
285,834	0,206	0,519	0,512	0,130	0,270	59,751	20,530	23,001	21,603	21,480	21,402	21,175	22,043	20,670	69,982	56,774	66,478
286,000	0,205	0,531	0,512	0,135	0,275	59,752	20,557	22,990	21,606	21,476	21,446	21,190	22,041	20,670	69,823	56,780	66,474
286,167	0,206	0,536	0,511	0,138	0,275	59,743	20,538	22,969	21,591	21,467	21,396	21,177	22,038	20,670	69,965	56,778	66,471
286,334	0,206	0,529	0,511	0,136	0,278	59,761	20,543	22,944	21,596	21,467	21,421	21,177	22,045	20,670	69,896	56,774	66,486
286,500	0,205	0,525	0,512	0,137	0,279	59,792	20,538	22,944	21,596	21,462	21,378	21,179	22,037	20,673	69,861	56,767	66,494
286,667	0,205	0,519	0,511	0,148	0,274	59,786	20,553	22,977	21,588	21,475	21,424	21,190	22,042	20,674	69,911	56,763	66,501
286,834	0,208	0,515	0,511	0,139	0,268	59,797	20,539	22,962	21,600	21,463	21,420	21,194	22,049	20,673	69,935	56,767	66,530
287,000	0,209	0,507	0,512	0,141	0,261	59,800	20,542	22,940	21,592	21,454	21,415	21,186	22,051	20,674	69,862	56,774	66,518
287,167	0,211	0,506	0,511	0,141	0,270	59,884	20,555	22,940	21,592	21,457	21,410	21,172	22,040	20,674	69,946	56,775	66,512
287,334	0,211	0,510	0,511	0,141	0,264	59,890	20,546	22,926	21,600	21,467	21,417	21,179	22,042	20,675	69,830	56,772	66,525
287,500	0,210	0,519	0,511	0,136	0,276	59,827	20,529	22,923	21,577	21,460	21,410	21,185	22,041	20,675	69,924	56,776	66,526
287,667	0,211	0,515	0,511	0,135	0,274	59,864	20,552	22,927	21,604	21,459	21,404	21,184	22,051	20,678	69,783	56,775	66,539
287,834	0,212	0,506	0,512	0,139	0,272	59,831	20,513	22,888	21,597	21,454	21,421	21,202	22,041	20,677	69,861	56,776	66,536
288,000	0,210	0,501	0,511	0,137	0,271	59,870	20,508	22,901	21,599	21,459	21,417	21,190	22,037	20,677	69,909	56,766	66,514
288,167	0,210	0,508	0,511	0,135	0,273	59,859	20,512	22,904	21,603	21,471	21,408	21,190	22,038	20,678	70,009	56,767	66,509
288,333	0,209	0,518	0,512	0,142	0,272	59,798	20,510	22,901	21,600	21,463	21,423	21,197	22,034	20,675	69,982	56,758	66,487
288,500	0,209	0,522	0,511	0,137	0,266	59,792	20,507	22,909	21,598	21,471	21,404	21,200	22,050	20,681	69,822	56,756	66,489
288,667	0,212	0,519	0,512	0,134	0,269	59,756	20,493	22,913	21,600	21,454	21,432	21,192	22,058	20,681	69,784	56,758	66,514
288,833	0,214	0,509	0,511	0,140	0,272	59,707	20,504	22,892	21,595	21,470	21,402	21,189	22,051	20,682	69,953	56,754	66,539
289,000	0,217	0,495	0,511	0,148	0,283	59,685	20,490	22,905	21,590	21,462	21,449	21,197	22,050	20,687	69,889	56,752	66,533
289,167	0,216	0,487	0,511	0,130	0,275	59,755	20,466	22,892	21,595	21,465	21,398	21,196	22,043	20,691	69,934	56,756	66,487
289,333	0,213	0,494	0,511	0,138	0,269	59,766	20,465	22,887	21,604	21,458	21,438	21,196	22,051	20,683	69,895	56,749	66,444

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
284,667	55,103	0,365	0,390	5037,656	5543,444	61,595	8,722	508,460	5,370	10,860	4,254	2017-09-14 15:32
284,833	55,109	0,365	0,390	5043,417	5485,186	59,308	8,487	508,461	5,647	10,792	4,241	2017-09-14 15:32
285,000	55,106	0,365	0,390	5048,676	5486,041	60,778	8,242	508,461	5,855	11,185	4,318	2017-09-14 15:32
285,167	55,098	0,364	0,390	5052,457	5491,130	81,159	7,983	508,460	5,321	10,651	4,213	2017-09-14 15:32
285,334	55,089	0,364	0,389	5073,182	5475,305	88,039	7,865	508,461	5,586	10,468	4,177	2017-09-14 15:32
285,500	55,086	0,364	0,389	5091,875	5474,798	60,333	7,764	508,460	5,164	10,625	4,208	2017-09-14 15:33
285,667	55,079	0,365	0,389	5086,363	5493,134	49,451	7,754	508,461	5,521	10,811	4,245	2017-09-14 15:33
285,834	55,076	0,365	0,390	5087,283	5512,296	43,159	7,963	508,461	5,195	10,812	4,245	2017-09-14 15:33
286,000	55,076	0,365	0,390	5087,634	5448,227	38,114	8,272	508,460	5,405	11,015	4,285	2017-09-14 15:33
286,167	55,074	0,365	0,390	5088,772	5507,017	45,459	8,391	508,319	5,530	10,992	4,280	2017-09-14 15:33
286,334	55,075	0,365	0,390	5096,445	5479,061	43,781	8,236	508,319	5,422	11,121	4,305	2017-09-14 15:33
286,500	55,076	0,365	0,390	5099,142	5471,481	42,086	8,136	508,461	5,482	11,167	4,314	2017-09-14 15:34
286,667	55,076	0,365	0,390	5097,509	5494,411	41,047	7,966	508,318	5,917	10,945	4,271	2017-09-14 15:34
286,834	55,078	0,365	0,390	5113,148	5500,614	57,999	7,880	508,318	5,579	10,729	4,229	2017-09-14 15:34
287,000	55,072	0,365	0,390	5107,954	5464,061	64,937	7,681	508,461	5,654	10,447	4,173	2017-09-14 15:34
287,167	55,066	0,365	0,390	5107,948	5497,475	77,473	7,644	508,318	5,650	10,783	4,239	2017-09-14 15:34
287,334	55,062	0,365	0,390	5118,771	5448,906	74,478	7,749	508,288	5,639	10,550	4,193	2017-09-14 15:34
287,500	55,058	0,365	0,390	5119,011	5489,763	71,657	7,980	508,318	5,437	11,044	4,290	2017-09-14 15:35
287,667	55,055	0,365	0,390	5125,622	5429,378	74,638	7,873	508,318	5,393	10,969	4,276	2017-09-14 15:35
287,834	55,052	0,365	0,390	5128,626	5466,608	81,719	7,651	508,460	5,574	10,866	4,256	2017-09-14 15:35
288,000	55,051	0,365	0,390	5119,920	5486,225	70,218	7,533	508,225	5,474	10,847	4,252	2017-09-14 15:35
288,167	55,051	0,365	0,389	5108,066	5527,859	69,131	7,698	508,318	5,396	10,913	4,265	2017-09-14 15:35
288,333	55,050	0,364	0,389	5101,847	5514,394	67,251	7,942	508,537	5,688	10,892	4,261	2017-09-14 15:35
288,500	55,047	0,365	0,390	5107,780	5456,351	66,198	8,061	508,319	5,463	10,641	4,211	2017-09-14 15:36
288,667	55,040	0,365	0,390	5120,251	5439,638	84,679	7,963	508,454	5,374	10,755	4,234	2017-09-14 15:36
288,833	55,026	0,364	0,389	5135,504	5507,443	95,547	7,722	508,225	5,601	10,879	4,258	2017-09-14 15:36
289,000	55,003	0,364	0,390	5145,490	5475,628	111,915	7,377	508,319	5,903	11,311	4,342	2017-09-14 15:36
289,167	54,981	0,364	0,389	5128,307	5495,656	105,213	7,177	508,319	5,211	11,014	4,284	2017-09-14 15:36
289,333	54,963	0,364	0,390	5128,271	5481,229	89,432	7,341	508,319	5,539	10,773	4,237	2017-09-14 15:36

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
289,500	0,209	0,514	0,511	0,135	0,275	59,772	20,486	22,886	21,601	21,471	21,422	21,216	22,074	20,698	69,783	56,749	66,450
289,667	0,208	0,538	0,511	0,133	0,262	59,735	20,492	22,899	21,594	21,462	21,445	21,201	22,043	20,693	69,869	56,736	66,462
289,833	0,206	0,546	0,511	0,137	0,269	59,782	20,525	22,912	21,597	21,465	21,424	21,205	22,066	20,697	69,873	56,724	66,477
290,000	0,206	0,545	0,511	0,133	0,271	59,811	20,501	22,900	21,602	21,465	21,412	21,208	22,050	20,690	69,909	56,707	66,481
290,167	0,208	0,537	0,511	0,145	0,272	59,819	20,516	22,893	21,621	21,478	21,439	21,218	22,068	20,703	69,810	56,694	66,474
290,333	0,208	0,534	0,511	0,134	0,272	59,805	20,521	22,891	21,604	21,465	21,422	21,209	22,064	20,699	69,802	56,684	66,481
290,500	0,208	0,539	0,511	0,136	0,278	59,820	20,510	22,856	21,609	21,473	21,451	21,207	22,072	20,706	70,086	56,678	66,487
290,667	0,206	0,546	0,511	0,134	0,266	59,783	20,502	22,809	21,608	21,465	21,411	21,214	22,081	20,699	70,120	56,677	66,489
290,833	0,206	0,560	0,511	0,137	0,280	59,845	20,517	22,817	21,620	21,485	21,469	21,215	22,079	20,707	70,190	56,670	66,455
291,000	0,205	0,573	0,511	0,127	0,275	59,808	20,451	22,778	21,582	21,462	21,396	21,189	22,066	20,689	70,128	56,665	66,462
291,167	0,205	0,569	0,511	0,146	0,270	59,811	20,480	22,827	21,623	21,494	21,471	21,224	22,098	20,719	70,256	56,668	66,529
291,333	0,207	0,552	0,511	0,139	0,277	59,776	20,468	22,792	21,597	21,470	21,423	21,201	22,073	20,703	70,172	56,657	66,576
291,500	0,211	0,515	0,511	0,138	0,278	59,774	20,513	22,824	21,647	21,497	21,496	21,242	22,098	20,732	70,137	56,650	66,622
291,667	0,213	0,493	0,511	0,138	0,260	59,714	20,485	22,807	21,607	21,454	21,436	21,200	22,075	20,699	70,083	56,645	66,614
291,833	0,214	0,480	0,511	0,142	0,279	59,762	20,503	22,809	21,625	21,482	21,449	21,215	22,091	20,707	69,924	56,645	66,623
292,000	0,215	0,473	0,511	0,138	0,269	59,750	20,477	22,815	21,613	21,450	21,433	21,185	22,058	20,690	69,776	56,635	66,623
292,167	0,220	0,473	0,511	0,136	0,273	59,748	20,512	22,828	21,615	21,464	21,414	21,207	22,087	20,706	69,687	56,623	66,618
292,334	0,220	0,474	0,511	0,140	0,270	59,688	20,498	22,796	21,610	21,481	21,455	21,224	22,083	20,707	69,955	56,621	66,599
292,500	0,217	0,481	0,511	0,139	0,261	59,695	20,486	22,779	21,621	21,475	21,415	21,216	22,064	20,701	69,988	56,619	66,532
292,667	0,213	0,500	0,511	0,133	0,272	59,716	20,491	22,790	21,628	21,472	21,455	21,211	22,075	20,706	69,959	56,610	66,455
292,834	0,210	0,520	0,511	0,135	0,265	59,675	20,497	22,783	21,627	21,489	21,429	21,213	22,078	20,711	69,985	56,613	66,421
293,000	0,208	0,535	0,511	0,146	0,265	59,682	20,499	22,798	21,629	21,482	21,464	21,213	22,099	20,711	69,932	56,611	66,439
293,167	0,205	0,553	0,511	0,137	0,269	59,622	20,474	22,766	21,610	21,479	21,409	21,204	22,073	20,698	69,905	56,604	66,470
293,334	0,206	0,567	0,511	0,141	0,281	59,609	20,472	22,766	21,612	21,461	21,440	21,203	22,060	20,698	70,012	56,595	66,499
293,500	0,206	0,569	0,511	0,136	0,277	59,729	20,497	22,791	21,620	21,496	21,440	21,222	22,096	20,714	70,035	56,596	66,497
293,667	0,206	0,563	0,511	0,136	0,281	59,753	20,503	22,833	21,652	21,498	21,450	21,230	22,094	20,723	69,893	56,598	66,482
293,834	0,206	0,550	0,510	0,136	0,266	59,711	20,503	22,807	21,612	21,479	21,455	21,198	22,087	20,709	69,858	56,590	66,474
294,000	0,207	0,541	0,511	0,142	0,275	59,681	20,493	22,794	21,620	21,473	21,419	21,197	22,073	20,703	70,134	56,587	66,505
294,167	0,207	0,534	0,510	0,136	0,276	59,710	20,482	22,788	21,606	21,486	21,465	21,204	22,070	20,699	70,020	56,574	66,503

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
289,500	54,953	0,365	0,389	5126,243	5439,712	63,599	7,858	508,225	5,403	11,008	4,283	2017-09-14 15:37
289,667	54,945	0,365	0,390	5143,076	5489,155	55,726	8,443	508,318	5,315	10,489	4,181	2017-09-14 15:37
289,833	54,943	0,365	0,390	5153,408	5492,215	45,004	8,657	508,318	5,485	10,771	4,237	2017-09-14 15:37
290,000	54,937	0,365	0,390	5161,481	5516,247	48,187	8,617	508,318	5,337	10,853	4,253	2017-09-14 15:37
290,167	54,933	0,365	0,390	5154,742	5475,381	60,333	8,437	508,318	5,788	10,872	4,257	2017-09-14 15:37
290,333	54,929	0,364	0,389	5152,552	5473,359	55,726	8,343	508,225	5,366	10,879	4,258	2017-09-14 15:37
290,500	54,928	0,365	0,390	5170,706	5602,289	56,984	8,487	508,225	5,460	11,103	4,302	2017-09-14 15:38
290,667	54,920	0,365	0,390	5168,210	5615,986	46,696	8,660	508,225	5,361	10,654	4,214	2017-09-14 15:38
290,833	54,906	0,365	0,390	5156,335	5647,727	42,930	8,994	508,225	5,485	11,199	4,320	2017-09-14 15:38
291,000	54,886	0,365	0,390	5169,518	5625,407	40,824	9,321	508,225	5,090	11,003	4,282	2017-09-14 15:38
291,167	54,876	0,365	0,390	5201,067	5673,970	39,574	9,228	508,225	5,821	10,817	4,246	2017-09-14 15:38
291,333	54,857	0,365	0,390	5236,150	5642,230	51,884	8,797	508,225	5,556	11,080	4,297	2017-09-14 15:38
291,500	54,854	0,365	0,390	5254,774	5629,844	74,155	7,876	508,225	5,520	11,116	4,304	2017-09-14 15:39
291,667	54,844	0,365	0,390	5259,889	5614,892	92,194	7,317	508,225	5,515	10,391	4,161	2017-09-14 15:39
291,833	54,838	0,365	0,390	5261,726	5544,110	94,300	6,995	508,225	5,667	11,165	4,314	2017-09-14 15:39
292,000	54,842	0,365	0,389	5256,511	5485,201	101,005	6,833	508,224	5,507	10,766	4,236	2017-09-14 15:39
292,167	54,854	0,365	0,390	5252,735	5452,296	131,862	6,831	508,225	5,456	10,923	4,267	2017-09-14 15:39
292,334	54,861	0,365	0,390	5239,499	5566,811	133,745	6,841	508,225	5,602	10,806	4,244	2017-09-14 15:39
292,500	54,864	0,365	0,390	5206,826	5580,338	113,017	7,030	508,318	5,549	10,459	4,175	2017-09-14 15:40
292,667	54,860	0,364	0,389	5167,619	5564,923	91,221	7,492	508,224	5,310	10,895	4,261	2017-09-14 15:40
292,834	54,853	0,364	0,390	5166,995	5579,762	68,596	7,992	508,225	5,408	10,611	4,205	2017-09-14 15:40
293,000	54,844	0,365	0,390	5174,318	5562,522	58,589	8,374	508,225	5,833	10,605	4,204	2017-09-14 15:40
293,167	54,829	0,365	0,390	5202,354	5554,080	41,057	8,836	508,225	5,492	10,757	4,234	2017-09-14 15:40
293,334	54,821	0,365	0,390	5218,901	5605,921	42,926	9,170	508,225	5,620	11,220	4,324	2017-09-14 15:40
293,500	54,817	0,365	0,390	5216,435	5610,574	45,028	9,225	508,224	5,434	11,081	4,297	2017-09-14 15:41
293,667	54,810	0,365	0,390	5215,867	5558,961	44,810	9,068	508,224	5,451	11,246	4,329	2017-09-14 15:41
293,834	54,811	0,365	0,390	5208,610	5543,380	47,329	8,754	508,131	5,427	10,649	4,213	2017-09-14 15:41
294,000	54,815	0,365	0,390	5221,493	5662,873	49,427	8,532	508,225	5,676	11,001	4,282	2017-09-14 15:41
294,167	54,819	0,365	0,389	5213,695	5611,679	53,906	8,352	508,131	5,445	11,056	4,293	2017-09-14 15:41

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
294,334	0,208	0,524	0,510	0,138	0,275	59,687	20,476	22,830	21,627	21,481	21,418	21,204	22,075	20,702	70,198	56,566	66,485
294,500	0,208	0,523	0,511	0,135	0,272	59,709	20,481	22,842	21,618	21,494	21,456	21,200	22,069	20,709	70,040	56,567	66,462
294,667	0,207	0,525	0,510	0,135	0,272	59,720	20,487	22,852	21,636	21,483	21,411	21,192	22,087	20,702	69,975	56,560	66,499
294,834	0,206	0,531	0,511	0,141	0,272	59,658	20,481	22,834	21,610	21,486	21,436	21,207	22,065	20,699	69,907	56,564	66,529
295,000	0,206	0,532	0,510	0,139	0,275	59,653	20,478	22,835	21,610	21,480	21,424	21,210	22,067	20,698	69,849	56,564	66,556
295,167	0,206	0,528	0,510	0,141	0,277	59,682	20,457	22,835	21,606	21,492	21,450	21,203	22,074	20,698	69,973	56,564	66,556
295,333	0,207	0,530	0,510	0,139	0,273	59,785	20,461	22,842	21,615	21,492	21,423	21,205	22,079	20,703	69,829	56,570	66,533
295,500	0,208	0,531	0,510	0,141	0,267	59,831	20,461	22,832	21,627	21,483	21,478	21,209	22,085	20,710	69,997	56,576	66,501
295,667	0,208	0,532	0,510	0,139	0,275	59,807	20,468	22,830	21,635	21,482	21,412	21,212	22,062	20,706	70,027	56,567	66,478
295,833	0,207	0,526	0,510	0,137	0,271	59,790	20,473	22,839	21,622	21,496	21,465	21,211	22,072	20,711	70,051	56,564	66,474
296,000	0,207	0,518	0,510	0,135	0,270	59,776	20,459	22,864	21,605	21,477	21,419	21,191	22,061	20,702	70,005	56,557	66,447
296,167	0,211	0,506	0,510	0,138	0,274	59,782	20,481	22,865	21,619	21,489	21,460	21,204	22,074	20,710	69,981	56,555	66,462
296,333	0,212	0,498	0,510	0,136	0,188	59,716	20,461	22,920	21,625	21,479	21,435	21,209	22,082	20,702	69,849	56,544	66,497
296,500	0,212	0,494	0,510	0,131	0,074	59,683	20,478	22,988	21,631	21,479	21,439	21,220	22,077	20,710	69,919	56,537	66,512
296,667	0,212	0,491	0,511	0,136	0,052	59,720	20,472	23,115	21,628	21,495	21,449	21,213	22,090	20,707	69,918	56,535	66,514
296,833	0,211	0,495	0,510	0,121	0,052	59,715	20,480	23,242	21,660	21,506	21,442	21,204	22,087	20,714	69,961	56,536	66,493
297,000	0,209	0,500	0,510	0,134	0,051	59,741	20,480	23,356	21,664	21,527	21,466	21,220	22,093	20,731	69,962	56,540	66,455
297,167	0,210	0,504	0,511	0,124	0,051	59,734	20,471	23,401	21,658	21,517	21,423	21,216	22,091	20,715	69,796	56,540	66,475
297,333	0,210	0,502	0,510	0,131	0,053	59,717	20,468	23,487	21,662	21,524	21,485	21,224	22,093	20,720	69,779	56,548	66,475
297,500	0,208	0,510	0,510	0,127	0,055	59,749	20,448	23,521	21,654	21,521	21,421	21,203	22,091	20,711	69,803	56,553	66,472
297,667	0,207	0,518	0,510	0,122	0,053	59,733	20,455	23,545	21,650	21,515	21,446	21,204	22,074	20,711	69,765	56,562	66,454
297,833	0,208	0,516	0,510	0,132	0,051	59,685	20,440	23,584	21,642	21,516	21,422	21,203	22,079	20,705	69,618	56,568	66,419
298,000	0,207	0,522	0,510	0,112	0,054	59,661	20,456	23,608	21,654	21,516	21,436	21,215	22,079	20,710	69,627	56,576	66,402
298,167	0,207	0,530	0,510	0,137	0,055	59,664	20,448	23,685	21,662	21,529	21,456	21,220	22,072	20,711	69,719	56,575	66,386
298,333	0,206	0,540	0,510	0,124	0,053	59,653	20,437	23,746	21,667	21,523	21,439	21,202	22,095	20,718	69,981	56,575	66,366
298,500	0,206	0,549	0,510	0,125	0,054	59,652	20,399	23,734	21,662	21,516	21,452	21,204	22,072	20,707	70,041	56,572	66,335
298,667	0,205	0,552	0,510	0,122	0,053	59,683	20,413	23,760	21,672	21,515	21,445	21,191	22,083	20,703	69,992	56,575	66,316
298,833	0,206	0,548	0,510	0,127	0,053	59,685	20,475	23,768	21,677	21,549	21,450	21,223	22,093	20,727	69,973	56,580	66,311
299,000	0,209	0,537	0,510	0,128	0,050	59,611	20,477	23,751	21,661	21,525	21,425	21,195	22,083	20,707	69,806	56,572	66,374

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
294,334	54,823	0,364	0,390	5204,638	5688,788	58,249	8,101	508,131	5,518	11,007	4,283	2017-09-14 15:41
294,500	54,823	0,364	0,390	5196,602	5619,137	59,917	8,077	508,224	5,389	10,878	4,258	2017-09-14 15:42
294,667	54,818	0,365	0,390	5213,661	5601,968	52,624	8,113	508,131	5,386	10,881	4,258	2017-09-14 15:42
294,834	54,813	0,364	0,390	5229,298	5562,158	45,887	8,278	508,224	5,623	10,871	4,257	2017-09-14 15:42
295,000	54,806	0,364	0,390	5245,715	5537,601	46,088	8,310	508,131	5,569	10,993	4,280	2017-09-14 15:42
295,167	54,797	0,364	0,390	5247,691	5594,430	45,664	8,207	508,131	5,658	11,089	4,299	2017-09-14 15:42
295,333	54,787	0,365	0,390	5242,527	5535,712	54,687	8,258	508,131	5,568	10,937	4,269	2017-09-14 15:42
295,500	54,782	0,365	0,390	5238,642	5605,723	57,391	8,284	508,131	5,624	10,660	4,215	2017-09-14 15:43
295,667	54,779	0,365	0,390	5223,148	5620,548	57,623	8,305	508,131	5,571	11,005	4,283	2017-09-14 15:43
295,833	54,781	0,364	0,390	5223,807	5626,678	51,335	8,150	508,131	5,471	10,856	4,254	2017-09-14 15:43
296,000	54,781	0,365	0,389	5205,327	5617,400	53,471	7,950	508,131	5,401	10,790	4,241	2017-09-14 15:43
296,167	54,786	0,365	0,390	5212,909	5606,490	76,785	7,654	508,131	5,505	10,975	4,277	2017-09-14 15:43
296,333	54,797	0,364	0,390	5225,128	5551,681	83,188	7,438	508,131	5,441	7,537	3,544	2017-09-14 15:43
296,500	54,813	0,365	0,389	5218,085	5586,030	84,043	7,355	508,131	5,238	2,950	2,217	2017-09-14 15:44
296,667	54,827	0,364	0,389	5214,918	5581,497	82,153	7,270	508,224	5,423	2,060	1,853	2017-09-14 15:44
296,833	54,841	0,365	0,390	5199,599	5603,095	75,065	7,369	508,131	4,850	2,076	1,860	2017-09-14 15:44
297,000	54,852	0,364	0,390	5182,139	5601,011	65,997	7,511	508,130	5,378	2,044	1,846	2017-09-14 15:44
297,167	54,857	0,364	0,390	5187,599	5531,423	69,360	7,609	508,224	4,979	2,052	1,850	2017-09-14 15:44
297,333	54,856	0,365	0,390	5187,685	5524,845	68,665	7,555	508,131	5,248	2,109	1,875	2017-09-14 15:44
297,500	54,856	0,365	0,390	5190,687	5533,655	58,850	7,741	508,131	5,077	2,212	1,920	2017-09-14 15:45
297,667	54,857	0,365	0,390	5181,330	5515,058	53,412	7,949	508,130	4,861	2,106	1,874	2017-09-14 15:45
297,833	54,857	0,365	0,390	5165,143	5447,543	58,669	7,894	508,131	5,266	2,023	1,836	2017-09-14 15:45
298,000	54,857	0,365	0,390	5157,598	5451,756	49,007	8,053	508,131	4,475	2,142	1,890	2017-09-14 15:45
298,167	54,866	0,365	0,390	5142,315	5488,782	51,317	8,251	508,130	5,479	2,181	1,906	2017-09-14 15:45
298,333	54,874	0,365	0,390	5131,352	5598,974	47,662	8,501	508,037	4,943	2,140	1,888	2017-09-14 15:45
298,500	54,885	0,365	0,390	5113,204	5625,058	42,933	8,716	508,131	5,013	2,180	1,906	2017-09-14 15:46
298,667	54,897	0,365	0,389	5094,720	5600,642	41,676	8,789	508,131	4,870	2,103	1,872	2017-09-14 15:46
298,833	54,909	0,365	0,390	5088,558	5589,547	45,661	8,703	508,131	5,064	2,136	1,887	2017-09-14 15:46
299,000	54,917	0,365	0,390	5116,322	5523,249	64,916	8,419	508,131	5,118	2,012	1,831	2017-09-14 15:46

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	301	302	305	306	307	1301	1302	1305	1306	1307	1308	1309	1310	1101	1102	1103	1104
Measure-ment time	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	flue gas	ambient	Flue gas at Pitot	filter temp 1	filter temp 2	gas meter temp 1	gas meter temp 2	gas meter temp blank		T5 outlet boiler	T6 inlet boiler	T4 outlet load side
Minutes	VDC	VDC	VDC	VDC	VDC	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C	°C
299,167	0,212	0,521	0,510	0,134	0,054	59,621	20,416	23,756	21,669	21,516	21,449	21,213	22,083	20,711	69,833	56,574	66,432
299,334	0,211	0,513	0,510	0,130	0,054	59,634	20,371	23,769	21,654	21,513	21,400	21,205	22,070	20,702	69,932	56,579	66,459
299,500	0,210	0,522	0,510	0,130	0,052	59,615	20,380	23,799	21,653	21,515	21,458	21,207	22,087	20,706	70,076	56,586	66,466
299,667	0,208	0,540	0,510	0,121	0,051	59,626	20,388	23,799	21,663	21,505	21,426	21,196	22,079	20,707	70,032	56,602	66,425
299,834	0,206	0,559	0,510	0,134	0,052	59,635	20,414	23,820	21,678	21,536	21,449	21,213	22,077	20,710	69,966	56,614	66,440
300,000	0,207	0,570	0,510	0,127	0,055	59,695	20,401	23,836	21,650	21,536	21,430	21,208	22,087	20,715	70,178	56,621	66,471
300,167	0,207	0,563	0,510	0,134	0,053	59,657	20,425	23,845	21,673	21,534	21,455	21,206	22,081	20,714	70,008	56,627	66,513
300,334	0,206	0,559	0,510	0,118	0,053	59,661	20,447	23,831	21,669	21,470	21,435	21,198	22,094	20,711	70,021	56,630	66,528
300,500	0,206	0,556	0,510	0,130	0,118	60,267	20,513	24,262	21,585	21,438	21,444	21,202	22,090	20,722	70,116	56,638	66,502
300,667	0,208	0,555	0,510	0,161	0,267	61,628	20,446	24,786	21,605	21,416	21,443	21,173	22,094	20,710	70,159	56,645	66,510
300,834	0,234	0,487	0,510	0,173	0,259	63,263	20,461	24,894	21,592	21,435	21,449	21,192	22,087	20,711	70,059	56,647	66,534
301,000	0,212	0,515	0,509	0,150	0,268	65,005	20,507	25,204	21,602	21,435	21,443	21,178	22,075	20,710	70,558	56,651	66,574
301,167	0,210	0,555	0,509	0,171	0,273	66,631	20,499	25,474	21,585	21,430	21,439	21,191	22,070	20,710	71,258	56,654	66,605
301,334	0,209	0,573	0,509	0,176	0,280	68,176	20,532	25,727	21,571	21,423	21,436	21,178	22,082	20,711	71,946	56,669	66,605
301,500	0,208	0,569	0,509	0,183	0,269	69,729	20,535	25,958	21,580	21,425	21,447	21,179	22,090	20,715	72,399	56,678	66,673
301,667	0,208	0,555	0,509	0,175	0,275	71,173	20,506	26,130	21,596	21,417	21,427	21,174	22,089	20,711	72,961	56,686	66,850
301,833	0,208	0,548	0,509	0,174	0,274	72,527	20,467	26,306	21,571	21,419	21,438	21,177	22,069	20,710	73,733	56,694	67,173
302,000	0,208	0,540	0,509	0,181	0,274	73,855	20,445	26,509	21,581	21,422	21,448	21,187	22,074	20,715	74,017	56,708	67,579
302,167	0,210	0,535	0,509	0,183	0,276	75,148	20,455	26,666	21,586	21,417	21,438	21,185	22,059	20,714	74,545	56,716	67,975
302,333	0,219	0,529	0,467	0,175	0,263	76,359	20,480	26,818	21,572	9,417	21,448	21,204	22,087	20,719	75,040	56,749	68,385
302,500	0,227	0,525	0,466	0,172	0,274	77,428	20,516	26,964	-6,009	-18,063	21,436	21,190	22,081	20,711	75,417	56,788	68,803
302,667	0,231	0,527	0,469	0,181	0,262	78,551	20,519	27,175	112,944	-20,274	21,433	21,198	22,068	20,714	75,706	56,842	69,221
302,833	0,253	0,524	0,469	0,181	0,274	79,548	20,467	27,291	25,354	-8,792	21,449	21,177	22,072	20,711	76,318	56,900	69,585
303,000	0,279	0,512	0,472	0,184	0,268	80,688	20,410	27,413	12,711	24,091	21,439	21,195	22,076	20,711	76,602	56,955	69,920
303,167	0,282	0,514	0,467	0,173	0,269	81,655	20,444	27,572	-3,485	21,884	21,439	21,190	22,061	20,712	76,959	57,021	70,290

Froling_PE135kw_170914_matning_cat I.DAT

Category: I

	1105	130	230	101	102	1	2	5	6	7	8	
Measure-ment time	T3 inlet load side	Flow supply side	Flow load side	Heat output load side	heat output supply side	CO chimney	CO2 chimney	Scale	Static pressure chimney	Pdyn	Tunnel velocity	Time
Minutes	°C	m³/h	m³/h	W	W	ppm	%	kg	Pa	Pa	m/s	Clock
299,167	54,918	0,365	0,390	5143,199	5537,199	83,407	8,032	508,037	5,365	2,153	1,894	2017-09-14 15:46
299,334	54,921	0,365	0,390	5156,035	5580,768	79,269	7,824	508,037	5,208	2,160	1,897	2017-09-14 15:46
299,500	54,924	0,365	0,390	5162,012	5634,440	68,533	8,058	508,037	5,195	2,071	1,858	2017-09-14 15:47
299,667	54,927	0,365	0,390	5139,072	5611,551	56,574	8,501	508,037	4,821	2,037	1,842	2017-09-14 15:47
299,834	54,925	0,364	0,390	5138,297	5569,810	47,131	8,979	508,131	5,356	2,089	1,866	2017-09-14 15:47
300,000	54,932	0,364	0,389	5145,476	5650,139	49,417	9,257	508,037	5,086	2,183	1,907	2017-09-14 15:47
300,167	54,933	0,364	0,389	5163,825	5581,617	54,277	9,084	508,046	5,374	2,100	1,871	2017-09-14 15:47
300,334	54,945	0,364	0,390	5175,106	5588,007	46,498	8,976	508,037	4,711	2,121	1,880	2017-09-14 15:47
300,500	54,956	0,365	0,390	5156,012	5627,440	46,283	8,890	508,037	5,192	4,733	2,809	2017-09-14 15:48
300,667	54,961	0,364	0,389	5149,192	5636,350	57,401	8,868	508,037	6,442	10,680	4,219	2017-09-14 15:48
300,834	54,971	0,365	0,390	5160,828	5597,381	219,200	7,163	508,037	6,916	10,367	4,157	2017-09-14 15:48
301,000	54,975	0,365	0,390	5182,038	5805,523	85,079	7,883	507,943	5,985	10,718	4,226	2017-09-14 15:48
301,167	54,981	0,365	0,390	5191,530	6097,673	71,243	8,869	507,943	6,843	10,903	4,263	2017-09-14 15:48
301,334	54,981	0,365	0,390	5193,732	6382,689	66,886	9,319	507,943	7,027	11,209	4,322	2017-09-14 15:48
301,500	54,983	0,365	0,390	5223,328	6567,547	59,305	9,225	507,943	7,304	10,774	4,237	2017-09-14 15:49
301,667	54,985	0,365	0,390	5299,351	6794,739	58,978	8,880	507,850	7,003	11,017	4,285	2017-09-14 15:49
301,833	54,989	0,365	0,390	5444,473	7116,945	57,321	8,698	507,850	6,948	10,959	4,274	2017-09-14 15:49
302,000	54,995	0,365	0,390	5626,583	7228,379	57,839	8,502	507,849	7,250	10,967	4,275	2017-09-14 15:49
302,167	55,003	0,365	0,390	5791,500	7451,340	72,077	8,381	507,850	7,319	11,024	4,286	2017-09-14 15:49
302,333	55,011	0,365	0,390	5976,238	7638,471	128,235	8,228	500,029	6,991	10,525	4,188	2017-09-14 15:49
302,500	55,018	0,364	0,389	6148,190	7774,626	173,764	8,119	499,936	6,875	10,944	4,271	2017-09-14 15:50
302,667	55,023	0,364	0,389	6335,098	7866,701	202,081	8,177	500,354	7,234	10,467	4,177	2017-09-14 15:50
302,833	55,028	0,365	0,390	6502,057	8109,523	337,856	8,102	500,354	7,244	10,941	4,270	2017-09-14 15:50
303,000	55,035	0,365	0,390	6656,153	8203,907	502,778	7,791	501,057	7,375	10,712	4,225	2017-09-14 15:50
303,167	55,038	0,365	0,390	6814,447	8334,889	518,625	7,859	500,123	6,910	10,767	4,236	2017-09-14 15:50

Bilaga 16

Manual (including warranty rights)

Transaction 09222115557487030913 Signed HP, MJ

Owner´s Manual

Pellet boiler PE1 Pellet 20/35

Read and follow the instructions and safety informations!
Technical changes, typographical errors and omissions reserved!
B1570223_en-us | Edition 2/7/2023

Froling GesmbH | A-4710 Grieskirchen, Industriestraße 12 | www.froeling.com

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1 Supplementary instructions

These instructions ensure safe and efficient use of the PE1 Pellet (hereinafter referred to as the “system"). These instructions are a component part of the system and must be kept next to the system and within the immediate reach of staff at all times.

Staff must carefully read and understand these instructions before commencing all work. All the safety instructions and operating guidelines specified in this manual must be observed to ensure safety at work. In addition, the local accident prevention regulations and general safety regulations apply to the area of application of the system.

Images in these instructions are intended solely to aid understanding and may differ from the actual design.

NOTICE

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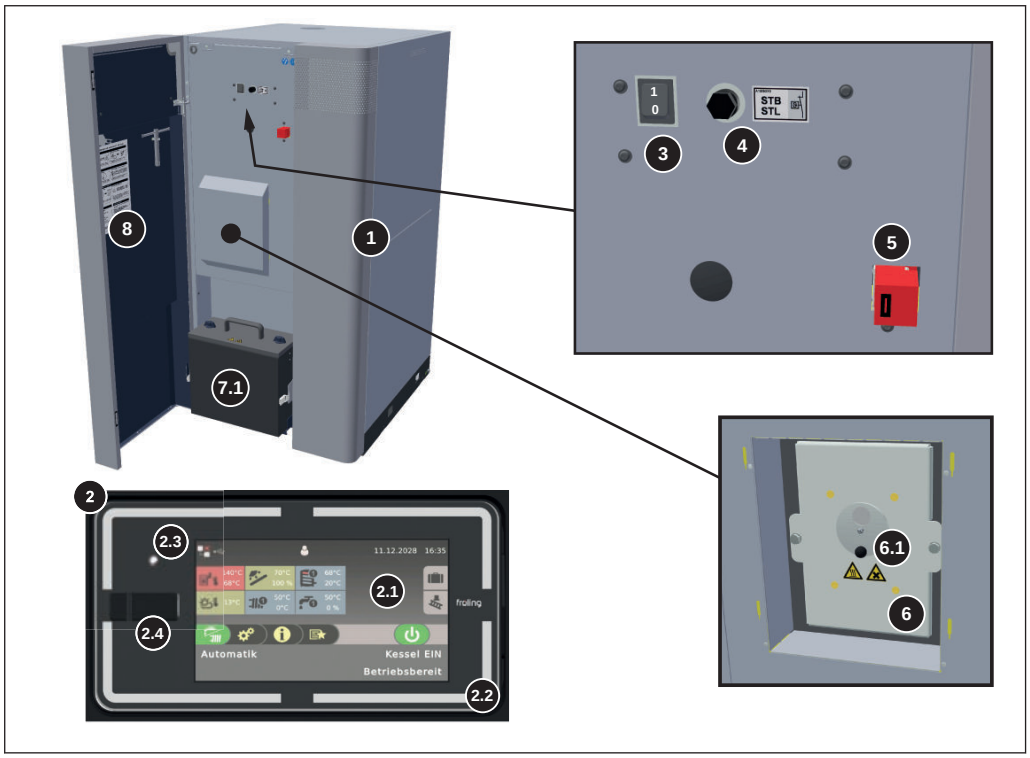
2 Overview

2.1 PE1 Pellet product overview



1	PE1 Pellet pellet boiler
2	Lambdatronic P 3200 boiler controller, ⇨ See "Overview of the touch display" [page 47]
2.1	Large touch screen for displaying/modifying operating statuses and parameters
2.2	Status display (operating status),⇨ See "Status display" [page 48]
2.3	Brightness sensor for automatically adjusting the brightness of the display
2.4	USB port for connecting a USB stick in order to update software
3	Main switch
4	High-limit thermostat (STL)
5	Door switch
6	Maintenance opening for combustion chamber (underneath the cover)
6.1	Inspection glass for checking combustion
7.1	Ash container for automatic ash removal
8	Quick start guide

2.2 Back view

No.	Description	Unit	PE1 Pellet	
			20	35
1	Boiler flow connection	inches	1 IT	
2	Boiler return connection		1 IT	
3	Drainage connection		½ IT	
4	Supply air connection (external diameter)	inches (mm)	80	100
5	Flue gas pipe connection		5 (129)	6 (149)
6	Pellet suction line connection		2 (50)	
7	Return-air line connection		2 (50)	

2.3 Boiler Fabrication and Testing

Your boiler was manufactured by Froling, a world leader in hot water (hydronic) heating for over 50 years. The PE1 Pellet boiler confirms to traditional high standards for quality and reliability. It offers modern wood pellets boiler technology with operating efficiencies at over 90% based on net calorific value of fuel. If treated properly and operated according to the guidelines in this manual it will provide years of safe, dependable and economic heating.

PE1 Pellet boilers are designed and built in accordance with European Standard EN 303-5. The units were safety and performance tested and listed to UL 2523-2013 and CAN/CSA B366.1-2011 (R2015) by OMNI Test Laboratories, Inc; Portland, Oregon. The installer should follow local or state installation requirements.

The PE1 Pellet boiler is a wood pellets boiler designed and constructed for highly efficient combustion of wood pellets.

Do not burn other fuels in the PE1 Pellet boiler. The PE1 Pellet boiler is not a self contained weather-tight boiler. It should be installed within the heating building. PE1 Pellet boilers should be installed with a thermal storage system to prevent short-cycling of the boiler during periods when the building is not calling for heat.

2.4 Models and Application

Two PE1 Pellet boiler models are available (20, 35) covering an output range of 68,200 Btu/hr and 119,500 Btu/hr. Specification data for each PE1 Pellet boiler is approved in the Owner´s Manual and Assembly Instrustions. The boiler can be used either as a single heat source or in parallel with another boiler.

2.5 Short description

The PE1 Pellet boiler is a boiler that produces useful heat for heating space and preparing hot water. The boiler uses wood pellets for fuel.

The pellets are transported by the suction turbine via the suction hoses into the large hopper. The pellets are transported to the downpipe with the stoker screw and fall in a metered quantity onto the combustion grate of the sturdy steel combustion chamber. Hot air is added by the automatic ignition rod to ignite the pellets.

The heat generated during combustion is used in the heat exchanger to heat the water. The flue gases produced during the combustion process are channeled outside through the chimney.

The movement of the integrated spiral springs automatically cleans the heat exchanger, maintaining the high operating efficiency. The ash from the steel combustion chamber falls through an automatic sliding grate into ash chamber, where it is transported via the ash screw into large ash containers.

3 Safety

3.1 Explanation of symbols

Safety information

Safety information in these instructions is indicated by symbols. The safety information is preceded by signal words which reflect the extent of the risk.

⚠ DANGER **This symbol and signal word combination indicates a hazardous situation which will lead to death or serious injury if it is not avoided.**

⚠ WARNING **This symbol and signal word combination indicates a hazardous situation which could lead to death or serious injury if it is not avoided.**

⚠ CAUTION **This symbol and signal word combination indicates a hazardous situation which could lead to slight or minor injuries if it is not avoided.**

NOTICE **This signal word indicates important, but not safety-related information e.g. damage to property or pollution**

Safety information in operating instructions

Safety information can refer to certain, individual operating instructions. To avoid disrupting the flow of the text when you are performing the action, this safety information is not incorporated in the operating instruction. The signal words set out above are used.

Example:

❒ Undo screw
❒ **CAUTION! Pinching hazard at cover**
Take care when closing the cover.
❒ Tighten the screw

Special safety information

The following symbols are used to draw your attention to particular hazards

Tips and recommendations

Italics indicate useful tips and recommendations as well as information for efficient and smooth running.

Other markers

The following markers are used in these instructions to highlight operating guidelines, results, lists, references, and other elements:

Marker	Explanation
❒	Step-by-step operating instructions
⤷	Results of actions
⇨	Links to sections of these instructions and other relevant documents
▪	Lists without a specified order
[Button]	Operating elements (e.g. button, switch), display elements (e.g. signal lights)
“Display“	Screen elements (e.g. buttons, assignment of function keys)

Units used

All units of measure are specified in these operating instructions in both SAE units and SI units. The SAE unit appears first, followed by the SI unit in brackets.

Example using information about heat output: 17 (5) BTU/h (kW) equals
17 BTU/h (SAE system) or 5 kW (SI system).

3.2 Permitted uses

The Froling PE1 Pellet boiler is intended exclusively for heating up heating water. Only use those fuels specified in the “Permitted fuels” section.

Permitted use includes compliance with all the specifications in this instruction manual.

Any use other than or above and beyond the permitted use is considered misuse.

3.3 Requirements at the place of installation

3.3.1 Approval for the heating system

The appropriate supervisory authority (inspection agency) must always be informed when installing or modifying a heating system, and authorization must be obtained from the building authorities. Also observe ANSI/NFPA 211 and CAN/CSA B365 for the installation.

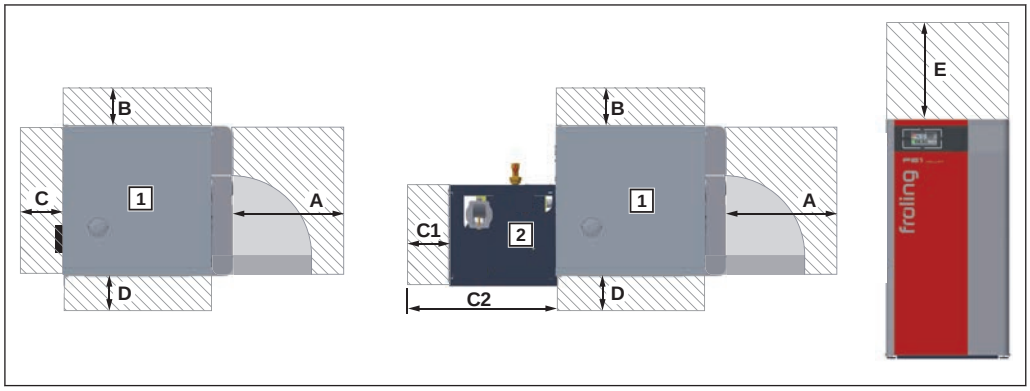
3.3.2 Space required

- The system should generally be set up so that it is accessible from all sides allowing quick and easy maintenance.
- Regional regulations regarding necessary maintenance areas for inspecting the chimney should be observed in addition to the specified minimum distances!
- Observe the applicable standards and regulations when setting up the system.
- Observe additional standards for noise protection
  (ÖNORM H 5190 - Noise protection measures)

FOR SAFE INSTALLATION AND OPERATION CLEARANCES TO COMBUSTIBLES MUST BE MAINTAINED.

The diagram below shows the required space for the system in the boiler room.

The boiler may only be installed on non-combustible floor with these clearances!



	PE1 Pellet 20	PE1 Pellet 35
A	24 inches (600 mm)	
B	12 inches (300 mm)	
C	12 inches (300 mm)	
C1	9.8 inches (250 mm)	
C2	39.5 inches (750 mm)	31.1 inches (790 mm)
D	3.9 inches (100 mm)	
E	19.7 inches (500 mm)[1)]	

1. Maintenance area to expand the WOS springs upwards

3.3.3 Requirements for central heating water

Water quality

Water of the following quality is required for the first fill:

- The water must be clean, pure or purified as well as odorless and must not contain suspended matter.
- The water hardness must not exceed 5.84 grain/gallon or 100 ppm $CaCO_3$ (100 mg/L), i.e. soft water is required.
- The chlorine concentration in the water must not exceed 1.75 grain/gallon (30 mg/L).
- The pH value in the heating system must be between 8.0 and 8.6.
- If the water quality is too poor, use additives to prepare the water. If you are topping up with small amounts, always use clean water.

NOTICE

The hot water must not be used directly in swimming pools or thermae. Use a heat consumer of the right size to consume the heat. Do not use the heating water as drinking water.

To ensure good water quality during operation, avoid leaks and use a closed heating system. If necessary, use a return temperature control.

First fill

To prevent air from getting into the heating system during the first fill, fill the filling hose with water.

Frost protection

You can add anti-freeze to the heating water, however, this can reduce the heating efficiency. Always follow the manufacturer's dosing instructions when using anti-freeze, as using the incorrect amount can cause corrosion. Check the concentration of the anti-freeze at regular intervals.

3.3.4 Ventilation requirements for boiler room

Introduction

The external combustion air must meet certain requirements to ensure that adequate combustion air is supplied to the boiler and no by-products from the combustion get into the boiler room.

Ventilation air for the boiler room must be taken from and expelled directly outside, and the openings and air ducts must be designed to prevent weather conditions (e.g. from foliage or snowdrifts), plants or animals from obstructing the air flow. Permanent ventilation is required to ensure that the boiler runs smoothly.

In North America there are several regulations which govern the minimum requirements of combustion air for chimneys.

The boiler must be installed in such a way that it receives adequate ventilation and combustion air and that the fuel in the boiler burns. The exhaust air must be expelled safely outside via the chimney and maintained within a safe temperature range.

Boiler rooms are usually so small that normal ventilation does not provide enough air and air must be brought in from outside. External air openings and air channels must be of an appropriate size to supply adequate combustion air. The design must comply with NFPA 211.

Consult your local chimney inspector for the installation and install the boiler in accordance with the applicable local regulations.

Recommended size of air openings according to NFPA 54 and NFPA 211:

The boiler requires a fresh air supply of between 1 sq.in. per 2,500 BTU/h and 1 sq.in. per 4,000 BTU/h (550 mm²/kW and 880 mm²/kW), depending on local conditions and the climate zone. Local conditions may necessitate an additional air supply.

3.3.5 Requirements for the heating system

- The whole heating system must be designed in accordance with relevant national and local regulations.
- The boiler's nominal load must be adjusted to the calculated heating requirements of all the consumer loads connected in the heating circuit in summer and winter.
- The heating system must be big enough to transport the heat generated by the boiler and an additional heat source (if present). The pressure throughout the whole system including all heating zones must be even.
- Special equipment must be available for filling and ventilating the heating circuit.
- All fitted pipes must be water-tight and air-tight and insulated for safety reasons.
- If there is a risk of parts of the heating system freezing, add anti-freeze to the water in these heat zones.

3.3.6 Requirements for the installation room (boiler room)

- There must not be a potentially explosive atmosphere in the boiler room as the boiler is not suitable for use in potentially explosive environments!
- The boiler room must be frost-free!
- The boiler does not provide any light, so the customer must ensure sufficient lighting in the boiler room in accordance with national workplace design regulations!
- When using the boiler at an altitude higher than 2,000 meters above sea level the manufacturer must be contacted!
- Fire hazard due to combustible materials!
  Never store flammable substances near the boiler. Never place flammable objects (e.g. clothing, etc.) on the boiler to dry.
- Follow all national and local codes for installation of smoke and carbon monoxide detectors. When in doubt, contact your local building code authority or your local fire department.
- Damage due to impurities in combustion air!
  Do not use any solvents or cleaning agents containing chlorine in the boiler room.
- Keep the air suction opening of the boiler free of dust!

⚠ WARNING **Do not store fuel within installation clearances!**

3.3.7 Requirements for the fuel store

- The fuel store must be protected against the direct effects of weather.
- Before refilling the fuel store, check for pellet dust and clean if necessary.
- When fans are used in the fuel storage area, they should be installed so as not to create negative pressure in the rom where the solid-fuel-burning appliance is located.

3.3.8 Hose lines

For the hose lines used with the suction device, the universal suction systems, and the silo delivery unit, please observe the following:

Fuel delivery hose must be supplied by your local Froling boiler representative and must be manufactured according to ISO 3994 (specifies requirements for helical thermoplastic reinforced hoses) and certified to UL 94 HB (flammability of plastic materials).

3.3.9 Combination with a storage tank

A storage tank does not need to be used for the heating system to run smoothly. However, we recommend that you use the system with a storage tank to ensure a continuous supply of fuel in the boiler's ideal output range.

For the correct dimensions of the storage tank and the line insulation (in accordance with ÖNORM M 7510 or guideline UZ37) please consult your installer or Froling.

3.3.10 Requirements for the chimney connection

The chimney connection must be big enough to channel flue gases from the building. The whole flue gas system must be designed to prevent possible seepage, insufficient feed pressure and condensation.

The manufacturer recommends fitting a draft regulator to limit the pressure to 0.10 mm WC (25 Pa). The draft regulator should be fitted directly below the chimney connection where the pressure is very low.

The boiler must be connected to a brick chimney or a shop-made chimney in accordance with UL 103 HT (ULC S629 in Canada). The chimney must be clean and in good condition at the time of installation.

The pipe unions within the chimney must be made of stainless special steel (with 304, 316 or 321 alloys). The individual pipe sections must be joined together with at least three self-tapping screws and the joins sealed using high-temperature silicone. The flue gas pipe must not contain more than two 90° bends.

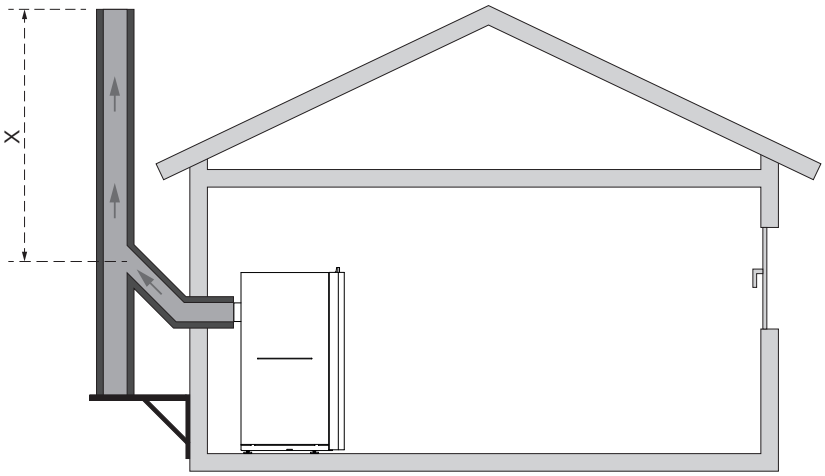
All connections must conform to NFPA 211. Consult your local chimney sweep for the installation and install the boiler in accordance with the applicable local regulations.

The chimney connection, ventilation ducts and fresh air openings must not be closed over or blocked.

The flue gas pipe must not be displaced by an attic, loft, fuel store or similar areas.

Minimum height of the chimney

NOTICE! The chimney shall be approved by the competent authority!



Effective minimum height (X) of the chimney:

Boiler	Exhaust pipe diameter	Minimum height (X)
PE1 Pellet 20	5 inches (129 mm)	9.8 feet (3 m)[1)]
PE1 Pellet 35	6 inches (149 mm)	14.1 feet (4,3 m)[1)]

1. Requirements for chimney: double-walled stainless steel flue system, thermally insulated, external, single occupancy, sea level max. 800 m;
Requirements for connecting piece: thermally insulated, stretched length max. 1.5 m, effective height 0.5 m, max. one bend 90° and one bend 45°;

Basic data for designing the chimney connection

Description		PE1 Pellet	
		20	35
Flue gas temperature at nominal load	°C	150	160
	°F	300	320
Flue gas temperature at partial load	°C	100	100
	°F	210	210
Flue gas mass flow at nominal load	kg/h	52	90
	lb/h	115	198
Flue gas mass flow at partial load	kg/h	20	40
	kg/s	44	88
Required feed pressure at nominal load	Pa	5	
	in WC	0.03	
Required feed pressure at partial load	Pa	2	
	in WC	0,012	
Maximum permissible feed pressure	Pa	30	

Description		PE1 Pellet	
		20	35
	in WC	0.10	
Flue pipe diameter	inches	5	6
	mm	129	149
Supply air connection for room air-independent operation	Inches	3	4
	mm	80	100
Combustion air volume at nominal load	m³/h	39	68
	ft³/h	1377	2401

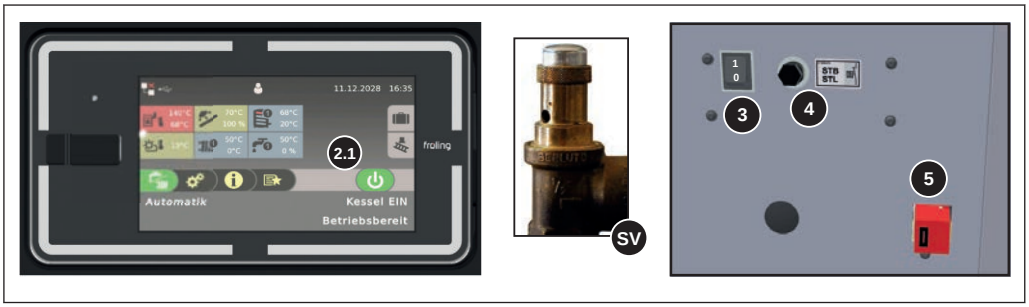
⚠ CAUTION

ADJUSTMENT OF THE FLUE DRAFT HIGHER THAN 0.10 INCHES WATER COLUMN (25 Pa) COULD CAUSE FIRE TO BURN OUT OF CONTROL AND CAUSE AN UNSAFE CONDITION!

❒ Maximum permitted setting: 0.10 inches WC (25 Pa)
Ideal setting: 0.04 inches WC (10 Pa)

3.4 Safety devices

3.4.1 Position of safety devices



2.1 **BOILER OFF** *(switches off the boiler to prevent overheating)*

- ❒ Tap “Boiler OFF”
  - ➥ Automatic mode is switched off
  - ➥ Control system follows the boiler shutdown procedure
  - ➥ Pumps continue to run

3 **MAIN SWITCH** *(switches off the power supply)*

Before carrying out work on/in the boiler:

- ❒ Tap “Boiler OFF”
  - ➥ Automatic mode is switched off
  - ➥ Control system follows the boiler shutdown procedure
- ❒ Switch off the main switch and let the boiler cool down

4 **SAFETY TEMPERATURE LIMITER (STL)** *(protection against overheating)*

The STL (high-limit thermostat) switches off the combustion system when the boiler reaches 100°C. The pumps continue to run. Once the temperature falls below approx. 75°C, the STL can be reset mechanically.

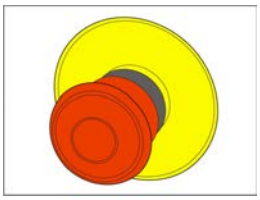
5 **DOOR SWITCH** *(protection against access to moving components)*

If the insulated door opens while the boiler is operating, all units stop in order to prevent injuries that may be caused by moving components. If the insulated door remains open for more than 10 seconds, the boiler is switched off automatically.

SV **SAFETY VALVE** *(protection against overheating/excess pressure)*

When the boiler pressure reaches a maximum of 2 bar, the safety valve opens and the heated water is blown off in the form of steam.

3.4.2 Description of safety devices



Emergency stop button (optional)

Pressing the emergency stop button stops the entire boiler (fuel infeed, combustion process in the boiler and the blower fan). Only the pump in the heating circuit continues to run to be able to dissipate the residual heat. The emergency stop button is on the same safety chain as the high-limit thermostat.

After an emergency stop button has been pressed, it must be released again by turning it and the fault acknowledged at the SPS so that you can turn the heating system back on again.

The system is controlled via the Lambdatronic P 3200. The "*Boiler OFF*" command allows you to switch off the boiler in the event of overheating. After the boiler has been switched off via the control system, automatic mode is switched off and the control shuts the boiler down according to the shutdown procedure. The pumps continue to run.

Safety valve (provided by the customer)

Depending on the boiler type which is use, different kinds of pressure values of the safety valves are necessary! When the boiler reaches a pressure of 30 psi (2 bar), 43.5 psi (3 bar) or 45 psi (3 bar) the safety valve opens and the heated water is blown off in the form of steam.

Technical specifications

3.5 Safety markers

3.5.1 Mandatory signs

Refer to the operating instructions

Only use the indicated system once you have read the operating instructions.

Wear hearing protection

This sign indicates that hearing protection must be worn in the area concerned.

Wear protective gloves

This sign indicates that protective gloves must be worn in the area concerned.

Wear safety shoes

This sign indicates that safety shoes must be worn in the area concerned.

Wear a dust mask

This sign indicates that a dust mask must be worn in the area concerned.

Keep the doors closed

Keep the doors closed during operation.

Turning off the main switch

Switch off the main switch and take precautions to prevent accidental switching on before carrying out work to the system

Switch off the main switch for the fuel infeed and take precautions to prevent accidental switching on before entering the fuel storage room.

Securing the main switch

Switch off the main switch and secure with a padlock when carrying out maintenance work to the boiler.

3.5.2 Prohibitions

Unauthorized access prohibited

Only persons authorized by the operator may enter the danger zone and fuel storage room. Keep children away! Keep the fuel storage room locked and keep the access key in a safe place. Protect the fuel from moisture.

No fire, open flames or smoking

Areas marked with this are at risk of fire or explosion. Keep ignition sources away from these areas.

3.5.3 Warning signs

Risk of falling

There is a risk of falling when working at heights in the fuel storage room or on components of the fuel infeed. Use a suitable ladder or hoist for all work.

Automatic start-up

This sign indicates that there is a risk of the system starting up automatically. Work may only be carried out in areas with this marking if the system has been secured.

Electric current

Only licensed electricians may work in workspace with this marking.

Unauthorized persons are not permitted to enter work areas with this marking or open the cabinet with this marking.

Risk of collapse

There is a risk of collapse and being buried alive as a result of cavity formation in the fuel storage room. Never step on piles of fuel.

Harmful or irritant materials

These materials can be irreparably harmful to health, trigger allergic reactions or irritate the mucous membranes.

Observe the information on the packaging and containers.

Danger from carbon monoxide

There is a risk of poisoning from a possible concentration of carbon monoxide in the fuel storage room and boiler room. Ventilate the fuel storage room for at least 15 minutes before entering. Two people must always be present when working in the fuel storage room. The access door must be kept open at all times. Also wear a dust mask because of the high dust levels.

Hand injuries

Keep hands away from areas bearing this warning.

There is a risk that your hands could get trapped, pulled in or otherwise injured.

Hot surfaces

Hot surfaces, such as hot system parts, may not always be obvious. Do not touch these parts without protective gloves.

Crushing hazard

Keep hands away from areas bearing this warning.

There is a risk that your hands could get trapped, pulled into or otherwise injured in automatic screws.

Risk of falling

There is a risk of falling in the fuel store because of slippery surfaces or fuel lying about. Take extreme care and wear personal protective equipment.

Risk of injury at fans

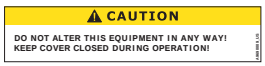
Keep hands away from areas bearing this warning.

There is a risk that your hands could get trapped, pulled into or otherwise injured in automatic fans.

Risk of being buried alive

There is a risk of being buried alive in the fuel storage room. Keep out of the fuel storage room, especially during filling.

3.5.4 Additional safety signage



Warning sign for covers

Do not modify the system peripherals. The covers must be kept shut during operation.

3.5.5 Signage on the boiler

Notice of risks during installation

PE1 PELLET - WOOD PELLET FIRED BOILER

INSTALLATION HAZARDS

Install, modify and use only in accordance with manufacturer's manuals. Refer to authorities having jurisdiction for proper installation. Contact local building and fire officials about restrictions and installation inspection in your area. If there are no applicable local codes, follow ANSI/NFPA 211 and CAN/CSA B365. Special precautions are required for passing the chimney through a combustible wall or ceiling.
Inspect and clean exhaust system, heat exchanger, burner, pellet hopper and ash boxes frequently in accordance with owner's manual.

Basic boiler data for layout of chimney system		PE1 PELLET	
Quantity	**Unit**	**20**	**35**
Flue gas temperature Rated / partial load	°F °C	300 / 210 150 / 100	320 / 210 160 / 100
Minimum draft at boilers flue gas connection		0.03 inches water column (5 Pa)	
Maximum draft at boilers flue gas connection		0.10 inches water column (25 Pa)	
Flue gas connector Diameter		5 inches (129 mm)	6 inches (149 mm)
Maximum water temperature	°F °C	194 90	
Maximum allowable working pressure		30 psi (2 bar)	

For detailed design information please refer to Installation Manual! For unit specifications, see Listing Label! For supply connections use No. 14 AWG (2.1mm²) or larger wires acceptable for at least 194°F (90°C). Use copper. Use regular overcurrent protection device 15 AMP, two phases (L1 & L2).

DANGER!

- Working on electrical components may cause severe injuries from electric shocks!

WARNING!

- The electrical system of the boiler shall be supplied from a double 115 V 60 Hz (nominal 230 V AC) 15 amp branch circuit including neutral and earth connection. For wiring instructions please refer to Installation Manual!
- Chimney must be 5" (129mm – PE1 Pellet 20) or 6'' (149 mm – PE1 Pellet 35) diameter listed UL-103 HT or ULC-S629 residential all-fuel type or tile-lined masonry. Flue connector pipe must be 5" (129mm – PE1 Pellet 20) or 6'' (149 mm – PE1 Pellet 35) diameter made of a minimum 24 MSG black steel.
- Inadequate design, installation and maintenance of the flue gas system will lead to insufficient chimney draft and could result in Danger of Life or Severe Injury caused by serious faults in combustion, e.g. explosively combustion of carbonization gases and flash fires!
- This boiler requires fresh air for safe operation and must be installed so there are provision for adequate combustion and ventilation air!

CAUTION!

- DO NOT CONNECT THIS UNIT TO A CHIMNEY FLUE SERVING ANOTHER APPLIANCE!
- LOAD FUEL CAREFULLY OR DAMAGE MAY RESULT.
- REFER TO OWNER´S MANUAL. DO NOT ALTER THIS EQUIPMENT IN ANY WAY.
- UNSAFE TO ADJUST FLUE DRAFT HIGHER THAN 0.10 INCHES WATER COLUMN (25 Pa)
- MAY BE CONNECTED TO AN EXISTING BOILER SYSTEM.
- Flooring must be a minimum 3/8'' (10 mm) non-combustible material covering the installation clearance area! The floor must be level and reinforced if required. For construction of the floor beneath the boiler mind the weight of boiler, water content and wood fuel according to the Installation Manual!
- This boiler is for use with an automatic stoker only!
- Use original spare parts only. Installation of non-licensed replacement parts will void the warranty!

A 2150 00 17

Notice of risks during operation

PE1 PELLET - WOOD PELLET FIRED BOILER

OPERATION HAZARDS

NOTICE! Burn Wood Pellets only as specified in Owner's Manual!

Pellet Fuel Institute (PFI) "Super Premium" or "Premium" recommended.

DANGER! Risk of Fire or Explosion!

- Do not burn garbage, gasoline, drain oil, or other flammable liquids.
- DO NOT BURN GARBAGE, GASOLINE, NAPHTA, ENGINE OIL, OR OTHER INAPPROPRIATE MATERIALS!
- DO NOT USE CHEMICALS OR FLUIDS TO START UP THE FIRE.
- Use of inappropriate fuels can result in Danger of Life or Severe Injury caused by explosive combustion and flash fires!
- Burning fuels other those designated in the manual will void the warranty!

DANGER! Explosive Gases!

- Never open Boiler doors, Covers or Heat Exchanger Cask Cover during operation!
- Faulty operation of boiler system will cause Danger of Life or Severe Injury and Material Damage!
- TO AVOID INJURY FROM MOVING PARTS; SHUT OFF BOILER CONTROL SYSTEM BEFORE OPENING BOILER DOORS, AND COVERS!

WARNING! Risk of Fire!

- Do not burn garbage, gasoline, drain oil, or other flammable liquids or materials.
- KEEP ALL BOILER DOORS, FUEL STORAGE DOOR AND ALL COVERS TIGHTLY CLOSED DURING OPERATION!
- AFTER OPENING BOILER DOORS AND COVERS; CLOSE ALL DOORS AND COVERS TIGHTLY!
- DO NOT OPERATE WITH FLUE DRAFT EXCEEDING 0.10 INCHES WATER COLUMN (25 Pa)!
- Do not operate with flue draft exceeding 0.10 inches in water column (25 Pa).
- UNSAFE TO ADJUST FLUE DRAFT HIGHER THAN 0.10 INCHES WATER COLUMN (25 Pa)!
- THE HEAT EXCHANGER, DRAFT INDUCER, FLUE PIPE, AND CHIMNEY MUST BE CLEANED REGULARLY TO REMOVE ACCUMULATED CREOSOTE AND ASH. ENSURE THAT THE HEAT EXCHANGER, FLUE PIPE, AND CHIMNEY ARE CLEANED AT THE END OF HEATING SEASON TO MINIMIZE CORROSION DURING THE SUMMER MONTHS. THE APPLIANCE, FLUE PIPE, AND CHIMNEY MUST BE IN GOOD CONDITION. THESE INSTRUCTIONS ALSO APPLY TO A DRAFT INDUCER IF USED.
- Do not store fuel or other combustible material within marked installation clearances!
- Faulty operating conditions not complying with Owner's Manual, such as insufficient combustion air, incorrect or insufficient cleaning and maintenance or non-permitted fuel could result in Danger of Life or Severe Injury caused by serious faults in combustion (e.g. spontaneous combustion of carbonization gases or flash fires)!
- Inspect and clean flues and chimney regularly!
- First firing during start-up of boiler system shall be carried out in attendance of an authorized installer or manufacturer's representative only! Disregarding of warning may cause damage or explosion of combustion chamber and severe injuries unfavorably!

CAUTION! Hot surfaces!

- Hot parts and the flue pipe can cause serious burns!
- Do not touch during operation.
- Maximum draft marked on nameplate.
- Unauthorized access to the boiler room and pellets store could result in personal injury and damage to property!
- FOR SAFETY KEEP FIRING AND ASHPIT DOORS TIGHTLY CLOSED.
- Keep children away.
- Always use protective gloves during maintenance.
- Always use control handles when open boiler doors.
- Insulate flue pipe and do not touch during operation.
- Do not carry out maintenance when the boiler is hot.
- Do not touch hot surfaces behind Boiler doors and Covers.

A 2151 00 17

Notice regarding procedures in an emergency

PE1 Pellet – WOOD PELLET FIRED BOILER

EMERGENCY PROCEDURES

⚠ DANGER! In case of strong smell of flue gas!

Flue gases can cause fatal poisoning!
- Do not open any boiler doors or covers, or fuel transportation system door or covers!
- Turn off the boiler by pressing “Boiler OFF” (⏻)
- Air the room where boiler is installed!
- Close the door of the boiler room and doors to living areas!

⚠ DANGER! In the event of loss of electrical power!

- Do not open any boiler doors or covers, or fuel transportation system doors or covers!
- Boiler Control automatically restarts after power fail restart.
- Half an hour after power has returned, check system for normal operation and compare the pressure gauge reading to initial settings. If system pressure is low, replenish water to the heating system according plumber’s instructions.

⚠ DANGER! In the event of runaway fire!

- Call the fire department!
- Turn off Emergency Switch, if installed.
- Do not open any boiler doors or covers, or fuel transportation system doors or covers!
- Do not switch off Main switch at Boiler!
- Evacuate your house.
- If possible, wet your entire roof with a garden hose.
- When there is no more risk of runaway fire, turn on Emergency Switch and resume to normal operation of the system.

To cool overheated boiler (over 220°F / 105°C)!

- Turn off Emergency Switch, if installed.
- Do not open any boiler doors or covers, or fuel transportation system doors or covers!
- Turn off boiler by pressing “Boiler OFF” (⏻)
- Open all mixer taps, switch on all pumps.
- Leave the boiler room and close the door.
- Open all hot water faucets.
- Turn all thermostats in your house to their highest temperature settings and open all windows if room heat is too hot
- When boiler temperature has dropped below 180°F (82°C), reverse the above steps.
- In case Safety Temperature Limit Switch automatically has been activated please refer to Owner’s Manual.

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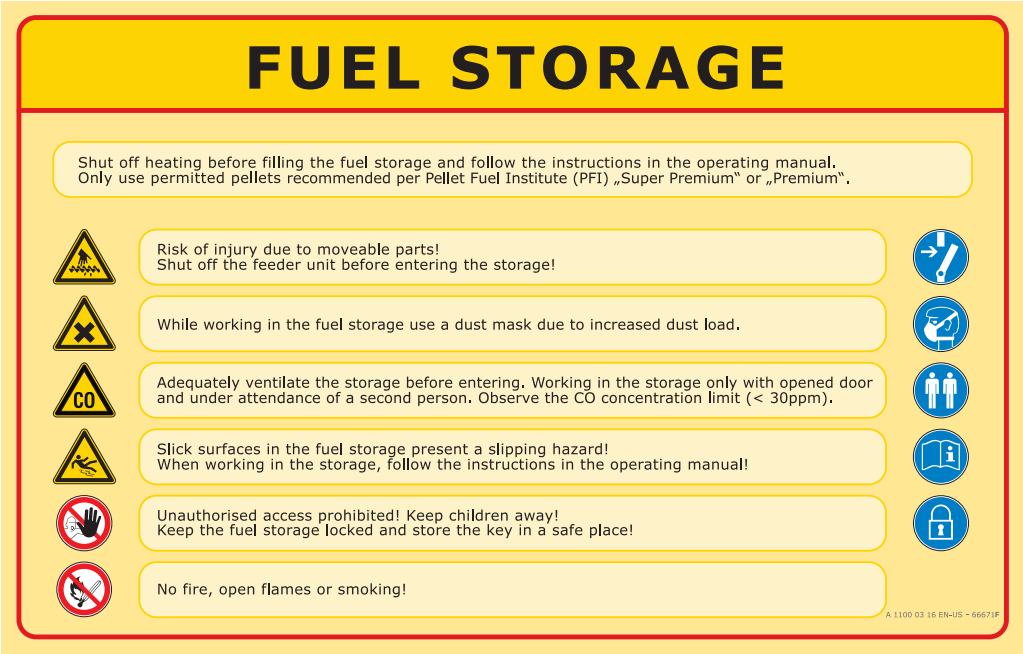
3.5.6 Sign on fuel store

The following signage must be posted in the access area of the fuel store. It explains the correct fuel store procedures.



3.6 Residual risks

The system has been designed to the state of the art and in accordance with current safety requirements. There are, however, still some residual risks which require care and attention. The residual risks and consequential procedures and measures are listed below.

3.6.1 Basic risks

Incorrect operation

WARNING

Risk of injury from operating the system incorrectly!

❒ Modifications to the control system must only be undertaken in consultation with the manufacturer.

➥ Modifying parameters on the control system can cause malfunctions.

Noise

WARNING

Hearing loss from noise!

❒ Always wear hearing protection when working around the discharge system

➥ Depending on the discharge system and fuel, the noise level inside the discharge system can reach over 80 dB(A) during transportation of the fuel.

Risk of falling

WARNING

Risk of falling when working close to the boiler!

- ❒ When working on ladders, always ensure that the ladder is securely positioned on a firm and even surface.
- ❒ Always observe the relevant safety regulations when working with a hoist.
- ❒ Never step on the boiler.
  - ➥ Careless work on ladders or hoists during installation, maintenance and repair work can cause injury.

Working in the fuel store

WARNING

Risk of injury when carrying out work in the fuel store

- ❒ Switch the boiler off at the control system before entering the fuel store.
- ❒ Turn off the boiler's main switch.
- ❒ Never climb onto piles of fuel.
- ❒ For safety reasons never work in the fuel store alone. Take another person with you.
- ❒ Always wear personal protective equipment for work (protective clothing, safety shoes, protective gloves, dust mask, protective goggles).
- ❒ Also observe the information on the notice on the access door to the fuel store.
  - ➥ Piles of fuel are at risk of caving in if you stand on them when working in the fuel store. There is also a risk of poisoning due to an increased concentration of carbon monoxide in the air.

Dirt and objects lying around

CAUTION

Risk of injury from stumbling on dirt or objects lying around!

- ❒ Always keep the boiler room clean and tidy.
- ❒ Take any items no longer required out of the boiler room and, in particular, remove from ground level.
  - ➥ Dirt and objects lying around the boiler room constitute a risk of slipping and tripping. Falling can result in injury.

3.6.2 Risks from electricity

Electric current

DANGER

Risk of death from electrocution!

- ❒ Only allow licensed electricians to carry out electrical work to the electrical system.
- ❒ If the isolation gets damaged, switch off the power supply immediately and have it repaired.
- ❒ Prior to commencing work to active parts, shut off electrical systems and equipment so that they are no longer live and secure so that they remain off for the duration of the work. Follow the five safety rules:
  - Disconnect.
  - Secure against switching back on.
  - Check the system is no longer live.
  - Earth and short circuit.
  - Cover or shield any adjacent live parts.
- ❒ Never bypass or disable fuses. When replacing fuses, use the correct amperage.
- ❒ Always lay lines and cables far away from hot surfaces.
- ❒ Use shielded cables when using frequency converters.
- ❒ Ensure that the system is properly earthed with a protective earth system. Have all component assemblies checked at regular intervals to ensure the correct earthing.
- ❒ Keep moisture away from live parts. This can cause short circuits.
  - ➥ Touching live parts can cause immediate death by electrocution. Damage to the isolation or individual components can be perilous.

Static electricity from charge

CAUTION

Risk of injury from residual electrostatic potential!

- ❒ Always proceed with caution when working in the fuel storage room and wear personal protective equipment (protective clothing, safety shoes, protective gloves).
  - ➥ Electrostatic potential can build up when pellets are being blown in. Touching pellets in the fuel storage room can, therefore, result in injury.

3.6.3 Danger from movement of the system

Automatic start-up

WARNING

Risk of injury from automatic start-up!

- ❒ Before doing any work, switch the boiler off at the control system.
- ❒ Switch off the main switch and take precautions to prevent accidental switching on.
  - ➥ There is a risk of serious injury from the system starting up automatically if it is switched on during inspection and cleaning.

Screw movement

WARNING

Risk of injury from getting crushed, trapped and caught in moving screws!

- ❒ Never step onto the screws (if present) in the fuel store.
- ❒ Never reach into the transport screw of the fuel infeed or the ash discharge screws (if present) when they are running.
- ❒ Never bypass limit switches and fuses.
- ❒ Switch off the boiler at the control system and allow it to cool before carrying out work on the screws.
- ❒ Always wear personal protective equipment for work (protective clothing, safety shoes, protective gloves).
  - ➥ Moving screws can catch on parts of clothing or long hair and clamp or sever body parts, resulting in serious injury or death.

3.6.4 Danger from fire and explosion

Risk of fire and explosion

WARNING

Risk of fire and explosion around the boiler!

- ❒ DO NOT BURN GARBAGE, GASOLINE, NAPHTA, ENGINE OIL OR OTHER INAPPROPRIATE MATERIALS.
- ❒ DO NOT USE CHEMICALS OR FLUIDS TO START THE FIRE.
- ❒ DO NOT OPERATE WITH FLUE DRAFT EXCEEDING 0.10 INCHES WATER COLUMN (25 Pa).
- ❒ UNSAFE TO ADJUST FLUE DRAFT HIGHER THAN 0.10 INCHES WATER COLUMN (25 Pa).
- ❒ THE HEAT EXCHANGER, DRAFT INDUCER, FLUE PIPE, AND CHIMNEY MUST BE CLEANED REGULARLY TO REMOVE ACCUMULATED CREOSOTE AND ASH. ENSURE THAT THE HEAT EXCHANGER, FLUE PIPE, AND CHIMNEY ARE CLEANED AT THE END OF HEATING SEASON TO MINIMIZE CORROSION DURING THE SUMMER MONTHS. THE APPLIANCE, FLUE PIPE, AND CHIMNEY MUST BE IN GOOD CONDITION. THESE INSTRUCTIONS ALSO APPLY TO A DRAFT INDUCER IF USED.
- ❒ DO NOT INSTALL IN A MOBILE HOME.
- ❒ Keep covers on the boiler and the access doors to the fuel store closed during operation.
- ❒ Smoking, fire and open flames are not permitted in the fuel store and boiler room.
- ❒ Do not store flammable materials in the boiler room.
- ❒ Do not set flammable objects on the boiler to dry (e.g. clothing).
- ❒ Always ensure that the boiler room is adequately ventilated.
- ❒ Maintain and inspect the heating system at the prescribed intervals. Ensure that the chimney vent is cleaned regularly.
- ❒ Do not use any hydrogen halides or cleaning agents containing chlorine in the boiler room.
- ❒ Observe the safety signs around the system.
  - ➥ Using the boiler incorrectly can cause fire or explosions.

Fire protection

⚠ WARNING

Risk of injury from limited or incorrect firefighting!

- ❒ Ensure that all fire extinguishers provided are suitable for the fire class.
- ❒ Test that the fire extinguishers are fit for use every two years or in accordance with the regulations set out by the fire authorities.
- ❒ Refill the fire extinguisher after each use.
- ❒ Only use approved extinguishing agents and spare parts that match the prototype on the fire extinguisher.
- ❒ When using the fire extinguisher, follow the safety and operating instructions on it.
- ❒ Note the operating temperature range when using the extinguisher.
  - ➥ If, in the event of a fire, the fire extinguisher is not fit for use or unsuitable for the specific fire class, this can result in serious injuries or even death and significant damage to property.

Flue gas system

⚠ WARNING

Risk of injury and damage to property from obstructing the flue gas system!

- ❒ The chimney is only to be used as an outlet for one heating system.
- ❒ Optimum performance can only be guaranteed if the flue gas system is functioning correctly. It is, therefore, important to have the flue gas system cleaned regularly to ensure that the flue gas can escape properly.
- ❒ Arrange for the chimney sweep to check the chimney connection and chimney for tar oil deposits twice a month during the heating period.
  - ➥ Problems with the flue system, such as poor cleaning of the flue pipe or insufficient chimney escape can cause serious faults in combustion (such as spontaneous combustion of carbonization gases/explosion).

3.6.5 Danger from high temperatures

Hot surfaces

⚠ WARNING

Risk of injury from hot surfaces!

- ❒ FOR SAFETY REASONS, KEEP COVERS AND ASH PIT DOORS TIGHTLY CLOSED.
- ❒ Before carrying out any work on the boiler, switch it off at the control system (“Boiler OFF” status) and allow it to cool down.
- ❒ Protective gloves must usually be worn for work on the boiler. Only touch the boiler using the handles provided.
- ❒ Insulate the flue gas pipes and do not touch them during operation.
- ❒ Do not touch system parts and heating pipes during operation.
- ❒ Keep children and unauthorized persons away from the boiler and fuel store.
- ❒ Allow the boiler to cool before carrying out any maintenance work.
  - ➥ Touching hot surfaces on the boiler, on the flue gas pipe and on heating pipes can cause serious burns.

Hot media

WARNING

Risk of scalding from hot media!

- ❒ Temperature modifications in the control system must only be undertaken in consultation with the manufacturer.
- ❒ Do not touch heating pipes and consumer loads in the heating circuit (radiator etc.) during operation.
- ❒ Allow the system to cool before carrying out any maintenance work. Always wear protective gloves when working on the system.
- ❒ Keep children and unauthorized persons away from the heating system.
  - ➥ Heating pipes and consumer loads in the heating circuit can heat up considerably from the hot water. An incorrect setting in the control system means that the water obtained can be extremely hot. Contact with hot water or hot surfaces can cause scalding to skin.

Hot ashes

WARNING

Risk of injury from hot ashes!

- ❒ Always wear protective clothing and protective gloves when working on the system.
- ❒ Before handling ash, check whether or not it is still hot. Allow to cool if necessary.
  - ➥ Ash is extremely hot after the combustion process. Contact can cause serious burns.

3.6.6 Risks from flue gases, incorrect fuel and other equipment

Lubricants

WARNING

Risk of damage to health from lubricants!

- ❒ Always wear protective gloves when handling lubricants.
- ❒ Do not swallow, do not inhale fumes.
- ❒ If you accidentally get lubricant in your eyes, rinse thoroughly with plenty of water and seek medical advice if necessary.
- ❒ Following skin contact wash off thoroughly with plenty of soap and water.
- ❒ Observe the lubricant manufacturer's safety data sheets.
  - ➥ Contact with lubricants can cause allergies and skin irritations.

Proposition 65

WARNING

CALIFORNIA Proposition 65

This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

Leaking flue gas

WARNING

Risk of poisoning from flue gases in the boiler room!

- ❒ If you smell flue gas keep all the doors on the boiler closed.
- ❒ Switch off the boiler under controlled conditions using the controller.
- ❒ Ventilate the boiler room.
- ❒ Close the fire door and doors to living areas.
  - ➥ Contact with flue gases can cause perilous situations.

Carbon monoxide

WARNING

Risk of poisoning from carbon monoxide in the fuel storage room!

- ❒ Ensure that there is adequate ventilation before entering the fuel storage room.
- ❒ For safety reasons never work in the fuel storage room alone. Take another person with you.
  - ➥ Carbon monoxide is an odorless gas and, therefore, goes unnoticed. Carbon monoxide can develop from storing pellets in the fuel storage room, and an increased carbon monoxide concentration in the air can pose a risk of poisoning.

Explosive dusts

WARNING

Risk of death from fire and explosion due to dispersed dust deposits!

- ❒ Do not smoke within or close to the danger zone. Do not work with any kind of naked flame, fire or ignition sources.
- ❒ Keep the danger zone free from dust. Dust deposits over 5 mm thick are not permitted and must be removed.
- ❒ Do not enter the fuel storage room whilst pellets are being blown in.
- ❒ Always wear protective clothing, protective goggles and breathing protection when working in the fuel storage room. Follow the manufacturer's instructions with regard to the requirements of the breathing protection.
- ❒ Stop work immediately in the event of a fire. Leave the danger zone until you get the all-clear and notify the fire brigade.
  - ➥ Dust deposits could catch fire or form an explosive compound if dispersed with the ambient air when blown into the fuel storage room. This can result in serious and even fatal injuries.

Incorrect fuel

WARNING

Risk of injury and damage to the boiler if the incorrect fuel is added.

- ❒ Only use fuel permitted by the boiler manufacturer.
- ❒ Only store permitted fuel in the fuel store.
- ❒ Never burn corn, cereal, coal, coke, garbage, painted or treated wood, bark, petrol, oil or other flammable liquids in the boiler.
- ❒ Never store fuel or other flammable materials in the boiler room.
- ❒ Never use chemicals, kerosene, charcoal, spirits or other flammable liquids to start or reignite the combustion process in the boiler.
  - ➥ Using the incorrect fuel can cause dangerous malfunctions or damage to the system or the discharge system.

3.7 What to do in the case of danger

What to do if the system overheats (at temperatures above 220°F (105°C))

⚠ WARNING

Risk of injury from switching the system off prematurely at the main switch!

❒ To switch the boiler off, switch off automatic mode using “Boiler OFF" at the control system. The boiler follows the controlled shutdown procedure via the control. The system must only be switched off at the main switch once the boiler has cooled down sufficiently.

➥ Switching off the main switch in automatic mode can cause major combustion faults leading to serious accidents.

If the boiler overheats, proceed as follows:

❒ Switch the boiler off at the control system.

❒ Keep all doors on the boiler and all covers closed.

❒ Open all mixing valves; switch on all pumps. The Froling heating circuit control takes on this function in automatic operation.

❒ Leave the boiler room and close the access door.

❒ Ensure that heat is being consumed. To do this, activate all consumer loads.

❒ Open any available radiator thermostat valves.

❒ Once the boiler temperature has fallen to 185°F (85°C), return the heating circuit to normal status.

If the temperature does not drop:

❒ Inform the installer or Froling customer service.

What to do in the event of a power failure

In the event of a power failure proceed as follows:

❒ Keep all the doors and covers on the boiler and on the fuel infeed closed

❒ The boiler controller will start again automatically after the restart.

➥ Half an hour after the boiler restart, compare the values in the controller and the values on the pressure gauges with the original values. If the pressure level is too low, add water to the heating system in accordance with the instructions of the heating installer.

In the event of excessive temperature the high-limit thermostat may have triggered. You may have to release this to allow the boiler to restart.

What to do if there is a smell of flue gas

If you smell flue gas, proceed as follows:

❒ Keep all doors on the boiler and all covers closed.

❒ Switch the boiler off at the control system.

❒ Ventilate the boiler room where the boiler is located.

❒ Close the fire door and doors to living areas.

What to do in the event of fire

In the event of a fire proceed as follows:

- ❒ Press the emergency stop button (if present).
- ❒ Keep all the doors and covers on the boiler and on the fuel infeed closed
- ❒ Leave the main switch on the control cabinet switched on.
- ❒ Close the fire door.
- ❒ Leave the boiler room and the building.
- ❒ Notify the fire brigade.

3.8 Staff requirements

Risk of injury from inadequate qualification of staff!

⚠ WARNING

Risk of injury from inadequate qualification of staff!

If unqualified staff work on the system, or are within the danger zone of the system, this creates hazards which could cause serious injuries and considerable damage to property.

- ❒ All such activities should be carried out only by suitably qualified staff.
- ❒ Keep unqualified staff away from danger zones.

Definition of staff qualifications

The staff qualifications listed here for the United States are based on the descriptions of professional qualifications in the Occupational Outlook Handbook 2011-12 edition of the United States Department of Labor, Bureau of Labor Statistics.

In this manual, staff qualifications for the various activity areas are named as follows:

Operator

The operator is the person who operates the heating system for commercial or economic purposes by himself or cedes use/application to a third party and bears the legal responsibility concerning the product for the protection of the user or third parties during the operation.

He has been trained by the manufacturers and the suppliers in dealing with the system and its components and can independently detect potential hazards and avoid the associated risks.

Froling customer service or an authorized partner

The Froling customer service or its authorized partner is able to perform the tasks assigned to it and recognize and avoid possible dangers thanks to its professional, product-related training, knowledge and experience as well as its knowledge of the relevant local regulations.

Heating system installer

The heating system installer has demonstrably received specific instructions by the manufacturer regarding the tasks entrusted to him and potential dangers associated with improper conduct. The heating system installer must have read and understood these instructions. The heating system installer must have undertaken training and have professional experience of at least one year in his field of application.

The skills of the heating system installer include:

- ❒ Understanding technical contexts

- ❒ Reading and understanding technical drawings and diagrams
- ❒ Installing system components
- ❒ Installing and connecting of heating lines
- ❒ Performing maintenance work
- ❒ Dismantling and repairing or replacing system components, if a problem occurs

Licensed electrician

Thanks to his training, knowledge, experiences and knowledge of relevant standards and provisions the licensed electrician is capable of performing the following tasks on electrical systems professionally and according to safety requirements:

- ❒ Planning and connecting electrical systems based on circuit and current flow diagrams
- ❒ Assembling pipes and connecting electric components
- ❒ Analyzing, measuring and testing electrical systems and functions
- ❒ Performing safety checks on electrical systems, components and devices
- ❒ Troubleshooting electrical systems

The licensed electrician is able to independently recognize and avoid hazards associated with these works.

Chimney sweep

The chimney sweep is able to perform the tasks assigned to him and recognize and avoid possible dangers thanks to his professional training, knowledge and experience as well as his knowledge of the relevant standards and regulations.

The skills of the chimney sweep include:

- ❒ Understanding technical contexts
- ❒ Reading and understanding technical drawings and diagrams
- ❒ Checking heating, flue gas and ventilation systems as well as fuel stores for proper operation and fire safety
- ❒ Cleaning heating plants, smoke ducts and ventilation systems
- ❒ Knowledge of provisions under building law and environmental protection law, as well as knowledge in the field of energy efficiency, fire protection and climate protection
- ❒ Performing seal checks

Basic requirements

Only persons expected to carry out their work reliably are admitted as staff member. Persons whose ability to react is influenced, e.g. by drugs, alcohol or medication, are not permitted.

When choosing staff, observe the applicable age and profession-specific regulations on site.

Unauthorized

WARNING

Risk of death for unauthorized persons due to hazards in the danger zone and work area!

- ❒ Keep unauthorized persons away from the danger zone and work area.
- ❒ In case of doubt, address the persons and direct them to leave the danger zone and work area.
- ❒ Suspend the work as long as there are unauthorized persons in the danger zone and work area.
  - ➥ Unauthorized persons that do not meet the requirements described here, do not know the dangers in the work area. Therefore, unauthorized persons are exposed to risk of serious injury and even death.

Instruction

The operator must regularly instruct the staff. For the purposes of traceability, you must create a training log containing the following at minimum:

- ❒ Date of training
- ❒ Name of the trainees
- ❒ Contents of the training
- ❒ Name of the instructor
- ❒ Signatures of the trainees and the instructor

3.9 Personal protective equipment

Personal protective equipment is used to protect persons from compromised health and safety at work.

During the various types of work to and with the system the staff must wear personal protective equipment which is set out separately in the individual sections of this manual.

Description of the personal protective equipment

The personal protective equipment is as follows:

Protective workwear:

Protective workwear is tight-fitting work clothing with low tear resistance, narrow sleeves and without any protruding parts.

Protective goggles

Protective goggles are used to protect the eyes from flying parts when cleaning the system.

Protective gloves

Protective gloves are used to protect the hands against friction, abrasion, puncture, or deeper injuries and contact with hot surfaces.

Safety shoes

Safety shoes protect feet from crushing and falling parts as well as from sliding on slippery surfaces.

Dust mask

The dust mask is used for protection against dust when cleaning the system and when working in the fuel store.

3.10 Replacement parts

Incorrect replacement parts

⚠ WARNING

Danger of injury when using incorrect replacement parts!

- ❒ Use only original Froling replacement parts or spare parts approved by Froling.
- ❒ In case of doubt, always contact our customer service.
  - ➥ Hazards for the staff can arise through the use of incorrect or faulty spare parts and cause damage, malfunction or total failure.

Spare parts can be obtained from the manufacturer or importer.

3.11 Environmental protection

NOTICE

Danger to the environment resulting from incorrect handling of environmentally hazardous substances!

- ❒ Always follow the instructions below when handling hazardous substances and their disposal.
- ❒ If hazardous substances are accidentally released into the environment, take appropriate measures immediately. In case of doubt, inform the competent authority about the damage and request that proper measures be taken.
  - ➥ Incorrect handling of environmentally hazardous substances, in particular incorrect disposal, can cause significant damage to the environment.

The following hazardous substances are used:

Ash

Ashes should be placed in a steel container with a tight-fitting lid. The closed container of ashes should be placed on a non-combustible floor on the ground, well away from all combustible materials, pending final disposal. If the ashes are disposed of by burial in soil or otherwise locally dispersed, they should be retained in the closed container until all cinders have thoroughly cooled. For the disposal of ash from the heat exchanger, consult the local chimney sweep or waste disposal service of the municipality or province. Other waste should not be placed in this container.

Lubricants

Lubricants such as greases and oils contain poisonous substances. They must not be released into the environment. Disposal must be carried out by a specialist disposal company. Observe the manufacturer’s safety data sheet.

3.12 The operator's responsibilities

Operator

The operator is the person who operates the system for commercial or economic purposes by himself or cedes use to a third party and bears the legal responsibility concerning the product for the protection of the user, staff or third parties during the operation.

Operator duties

The system is used in the commercial sector. The system operator is therefore subject to the legal obligations for safety at work.

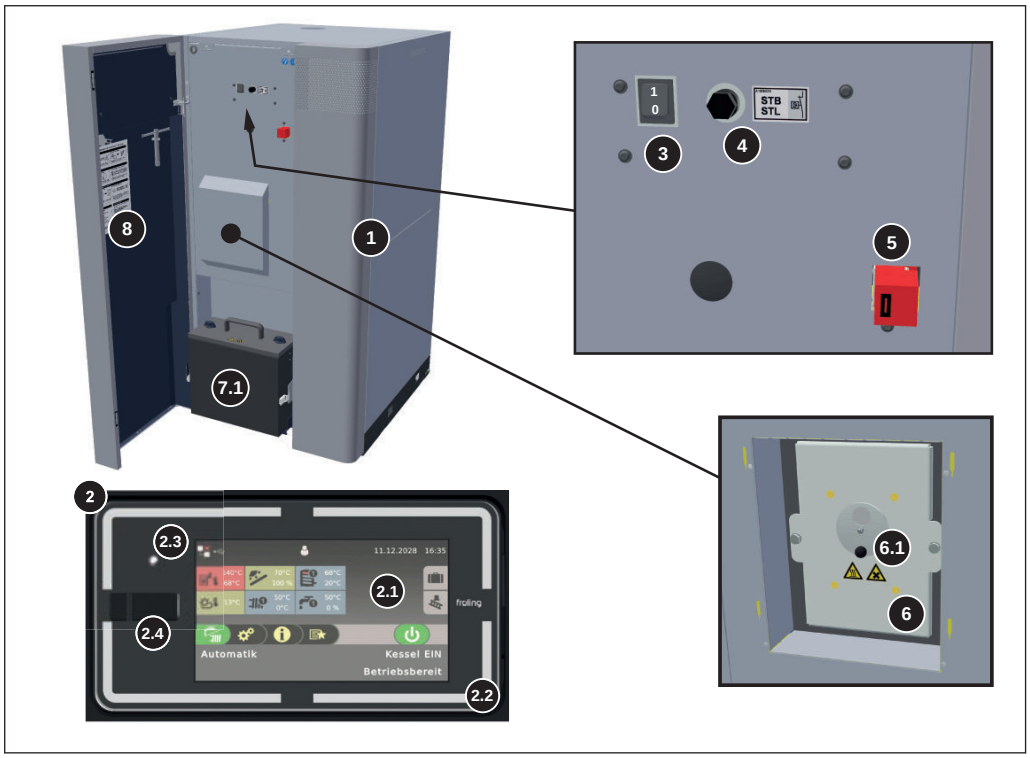
In addition to the safety instructions in this manual, the applicable regulations on safety, safety at work and environmental protection must be observed.

Therefore, in particular, the following applies:

- The "Occupational Safety and Health Act" of 1970 lays down that a safe workplace must be provided at all times during the execution of work.
- The operator must be aware of the applicable occupational safety regulations. Additionally, he must perform a risk assessment to determine hazards arising from special working conditions at the site where the system is used. He must implement these in the form of operating instructions for system operation.
- The operator must check throughout the entire period of use of the system whether the operating instructions created by him correspond to the current version of the regulations, and, if necessary, adjust them.
- The operator must clearly manage and determine the responsibilities for operation, troubleshooting, maintenance and cleaning.
- The operator must ensure that all persons who deal with the system have read and understood this manual. In addition, he must train the staff at regular intervals and inform them about possible dangers. Moreover, the operator must ensure that unauthorized persons do not get close to the system.
- The operator must provide the required protective equipment to staff and instruct them that it is obligatory to wear the necessary protective equipment.
- The operator must ensure that only fuels approved by the manufacturer are used.
- The operator must ensure that the prescribed safety tests are performed.
- The operator must ensure that the regulatory approval requirements are respected.
- The operator must ensure compliance with the requirements of the installation site and the safety measures when working in the fuel storage room.
- Furthermore, the operator is responsible for ensuring that the system is always in full working order. Therefore the following applies:
- The operator must ensure that the maintenance intervals described in these instructions are respected.
- The operator must ensure that the safety devices are regularly checked for proper functioning and completeness.

4 Description of the boiler

4.1 PE1 Pellet product overview



1	PE1 Pellet pellet boiler
2	Lambdatronic P 3200 boiler controller, ⇨ See "Overview of the touch display" [page 47]
2.1	Large touch screen for displaying/modifying operating statuses and parameters
2.2	Status display (operating status),⇨ See "Status display" [page 48]
2.3	Brightness sensor for automatically adjusting the brightness of the display
2.4	USB port for connecting a USB stick in order to update software
3	Main switch
4	High-limit thermostat (STL)
5	Door switch
6	Maintenance opening for combustion chamber (underneath the cover)
6.1	Inspection glass for checking combustion
7.1	Ash container for automatic ash removal
8	Quick start guide

4.2 Back view

No.	Description	Unit	PE1 Pellet	
			20	35
1	Boiler flow connection	inches	1 IT	
2	Boiler return connection		1 IT	
3	Drainage connection		½ IT	
4	Supply air connection (external diameter)	inches (mm)	80	100
5	Flue gas pipe connection		5 (129)	6 (149)
6	Pellet suction line connection		2 (50)	
7	Return-air line connection		2 (50)	

4.3 Functional description

4.3.1 General operation / Federal warning

The PE1 Pellet boiler is a boiler that produces useful heat for heating space and preparing hot water. The boiler uses wood pellets for fuel. This appliance meets the 2020 US Environmental Protection Agency´s wood pellets emissions limits for wood pellets heaters sold after May 15, 2020.

This wood pellet heater needs periodic inspection and repair for proper operation. It is against federal regulations to operate this wood pellet heater in a manner inconsistent with operating instructions in this manual. This wood pellet heater has a manufacturer set minimum low burn rate that must not be altered. It is against federal regulations to alter this setting or otherwise operate this wood pellet heater in a manner inconsistent with operating instructions in this manual.

The pellets are transported by the suction turbine via the suction hoses from the fuel store into the large hopper. Either suction probes or pellet screws are used as a discharge system.

The pellets are transported to the downpipe with the stoker screw and fall in a metered quantity through the burn back flap onto the combustion grate of the sturdy steel combustion chamber. Hot air is added by the automatic ignition to ignite the pellets.

Together with the speed-controlled induced draft fan and the stoker screw, the broadband Lambda probe ensures optimum combustion.

Heat generated during combustion moves through the steel combustion chamber to the heat exchanger, where it is used for heating the hot water. Ash contained in the flue gas is deposited in the heat exchanger. An efficiency optimization system in the heat exchanger ensures automatic cleaning by means of turbulators (spiral springs) and the ash falls downwards. The ash falls into the ash chamber, where it is transported via the ash screw into large ash containers.

4.3.2 Operating modes

Continuous load In the “Continuous load” mode, the boiler runs 24 hours a day and tries to maintain the boiler setpoint temperature set on the control system. The system is shut down for cleaning purposes only.

Automatic If the boiler is combined with a storage tank, the “Automatic" mode must be set. The storage tank is monitored by temperature sensors which are connected to the control system. The boiler only continues to run in automatic mode with the storage tank until the water in the storage tank is heated to a preset temperature.

If the “Automatic" mode is set even though there is no storage tank connected with the boiler, this operating mode is the same as “Continuous load"; in addition, however, a time period can be specified in which the boiler tries to maintain the set boiler setpoint temperature.

Domestic hot water The heating circuit controller is deactivated in the “Domestic hot water" mode; a cold storage tank, if present, is not part of the starting criteria for the boiler. A boiler start requires only a demand for hot water. When the set hot water temperature is achieved, the boiler shuts off again.

4.3.3 Approved fuels

Pellets

Use only wood pellets made of natural wood in accordance with the specifications of the PFI premium quality class like those of the Pellet Fuel Institute (PFI) Standard Specification for residential/commercial densified fuel.

Note on standards

US/CAN: Fuel acc. "Pellet Fuel Institute (PFI) Standard Specification for Residential / Commercial Densified Fuel": Fuel grade: “Super Premium” or “Premium”

EU: Fuel as per EN 17225 - Part 2: Wood pellets class A1 / D06

Fuel storage room

Before refilling the fuel storage room, check for pellet dust and clean if necessary

5 Transport, Installation and Initial start-up

5.1 Safety

Transport as well as installation and commissioning are carried out exclusively by the manufacturer's employees or staff authorized by the manufacturer.

⚠ WARNING

Risk of death from incorrect transport and faulty installation and commissioning!

- ❒ Transport, installation and commissioning must be carried out exclusively by the manufacturer's employees or staff authorized by the manufacturer.
- ❒ Consult the manufacturer even in case of a subsequent change of location.
- ❒ Refrain from unauthorized transport, unauthorized installation and commissioning, as well as changes of location.
  - ↪ An error during transport and installation/commissioning can lead to perilous situations or cause substantial damage to property.

5.2 Conditions for commissioning

Staff:	❒ Operator
	❒ Froling customer service or an authorized partner
	❒ Chimney sweep
	❒ Licensed electrician
	❒ Heating system installer

The customer is responsible for ensuring the following prior to initial system start-up by Froling customer services:

- Electrical installation
- Installation of water pipes
- Connect flue gas pipes, including all insulation work
- Work must comply with local fire protection regulations

- It is essential that the electrician who carried out the installation work is available when starting up the system for the first time to make any changes to the wiring which may become necessary.
- During initial start-up, operating staff are shown how to use the boiler. This training is provided only once and the respective parties (e.g. operators) must be present for correct customer acceptance of the product.

NOTICE

Escaping condensation during the initial heat-up phase does not indicate a fault.

- ❒ Tip: If this occurs, clean it up with a cleaning rag.

6 Loading fuel

Working in the fuel storage room

⚠ WARNING

Risk of injury when carrying out work in the fuel storage room!

- ❒ Switch the boiler off at the boiler control system before entering the fuel storage room.
- ❒ Never climb onto piles of fuel.
- ❒ Ensure that there is adequate ventilation when entering the fuel storage room.
- ❒ For safety reasons never work in the fuel storage room alone. Take another person with you.
- ❒ Always wear personal protective equipment for work (protective clothing, safety shoes, protective gloves, dust mask, protective goggles).
- ❒ Also observe the information on the notice on the access door to the fuel storage room.
  - ➥ Piles of fuel (wood chips or pellets) are at risk of caving if you stand on them when working in the fuel storage room. There is also a risk of poisoning due to an increased concentration of carbon monoxide in the air.

⚠ CAUTION

Filling the fuel store when the boiler is switched on

Could result in damage and consequential injury!

When filling the fuel store:

- ❒ Switch off the boiler by tapping “Boiler OFF”.
  - ➥ The boiler follows the shutdown procedure and switches to "Boiler off" status.
- ❒ Allow the boiler to cool for at least half an hour.

6.1 Notes on filling the fuel stores

When working in the fuel store:

Risk of injury due to moveable parts!
Shut off the feeder unit before entering the fuel store!

When cleaning the fuel store, an increased amount of dust may be generated. Wear a dust mask when working in the fuel store.

Adequately ventilate the fuel store before entering. Keep the door open and always have a second person present. Observe the CO concentration limit (< 30 ppm)!

Slick surfaces in the fuel store present a slipping hazard!

Unauthorized access prohibited! Keep children away!
Keep the fuel store locked and store the key in a safe place!

Fire, open flames, or smoking are prohibited inside the fuel store!

⚠ CAUTION

Filling the fuel store when the boiler is switched on

Could result in damage and consequential injury!

When filling the fuel store:

❒ Switch off the boiler by tapping “Boiler OFF”.

↪ The boiler follows the shutdown procedure and switches to "Boiler off" status.

❒ Allow the boiler to cool for at least half an hour.

When the boiler has cooled down:

❒ Before filling, check the store for fine particles and clean if necessary

❒ Close all openings to the store to seal out dust

❒ Fill the store with pellets

↪ Only use permitted pellets!

7 Heating the boiler

7.1 Safety instructions for heating

Incorrect operation

⚠ WARNING

Risk of injury due to incorrect operation!

Incorrect operation can cause serious injuries and considerable property damage.

- ❒ Perform all operating steps according to the information and instructions in this manual.
- ❒ Only trained staff may carry out work to the system.
- ❒ Check the system externally for any visible damage or defects at least once a day.
- ❒ Before starting work, make sure that all covers and safety devices are installed and work properly.
- ❒ Never disable or bypass safety equipment during operation.
- ❒ Do not alter the boiler controller.

7.2 Assembly and initial startup

Assembly, installation and initial startup of the boiler must only be carried out by qualified staff, and these procedures are described in the accompanying assembly instructions.

NOTICE! See assembly instructions for the PE1 Pellet

NOTICE

Optimum efficiency and efficient, low-emission operation can only be guaranteed if the system is set up by trained professionals and the standard factory settings are observed.

Take the following precautions:

- ❒ Initial startup should be carried out with an authorized installer or with Froling customer services.

The individual steps for initial start-up are explained in the operating instructions for the controller

NOTICE! See operating instructions for the Lambdatronic pellet boiler

The customer is responsible for ensuring the following prior to initial system start-up by Froling customer services:

- Electrical installation
- Installation of water pipes
- Connect flue gas pipes, including all insulation work
- Work must comply with local fire protection regulations

- It is essential that the electrician who carried out the installation work is available when starting up the system for the first time to make any changes to the wiring which may become necessary.

- During initial start-up, operating staff are shown how to use the boiler. This training is provided only once and the respective parties (e.g. operators) must be present for correct customer acceptance of the product.

NOTICE

Escaping condensation during the initial heat-up phase does not indicate a fault.

❒ Tip: If this occurs, clean it up with a cleaning rag.

7.3 Switching on the power supply

❒ Turn on the main switch

↳ There is voltage at all of the boiler's components

↳ When the control has completed the system start, the boiler is ready for operation

7.4 Operate the boiler using the touch display

7.4.1 Overview of the touch display

A	Display of arbitrarily selectable information ⇨ See "Select information displays" [page 54]
B	Display and switching the current user level ⇨ See "Lock display/switch user level" [page 64]
C	Display and changing the current date/time ⇨ See "Change date and time" [page 58]
D	Holiday program ⇨ See "Configure the holiday program" [page 65]
E	Chimney sweeper function
F	Display of current operating status, switching the boiler ON/OFF ⇨ See "Switch boiler ON/OFF" [page 56]
G	Invoking the available functions in the quick menu ⇨ See "Quick menu" [page 53]
H	Invoking all system information. Parameters must not be changed in the information menu.
I	System menu for invoking the system settings. All parameters can be displayed and/or edited depending on the user level. ⇨ See "Navigation within the system menu" [page 50]
J	Display and change the current boiler mode ⇨ See "Change boiler mode" [page 57]

K	Display icons for using froeling-connect ⇨ See "Display icons for froeling-connect/remote control" [page 49]
L	Brightness sensor for automatically adjusting the brightness of the display
M	LED frame to display the current system status ⇨ See "Status display" [page 48]
N	USB interface for software update (⇨ see operating instructions for the boiler controller) **NOTICE! USB interface is for service purposes only and must not be used to load devices or PC connections!**

Status display

The status display indicates the system's operating status:

- Constant in the set color: **SWITCHED ON**
  Boiler in an error-free operating state (standby, heating, etc.)
  Set color can be changed using the setting wizard "Switching on for the first time"
- ORANGE flashing: **WARNING**
- RED flashing: **FAULT**

Control icons

	Confirms values entered; activates parameters
	Discards any values entered without saving; and closes messages
	Back to basic display
	Accesses all system information
	Opens quick menu. Selection of functions depending on user level, configuration and current status.
	Tap to change parameters (dropdown menu or numeric keypad)
	Opens system menu. Menu display depends on user level and configuration
	Back to higher menu level.

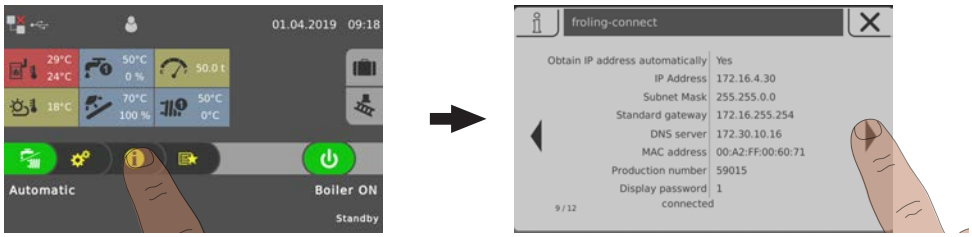
Display icons for froeling-connect/remote control

The icons for connection status and remote control are displayed at the top left-hand corner of the touch display. Tap on these icons to open the “Connection Centre”. In the menu, the connection to froeling-connect as well as the remote control (switching on and off by external users) is activated/deactivated

Status to froeling-connect		Remote control of the boiler	
	froeling-connect is deactivated or not in use		Remote control of the boiler is permitted
	Establishes connection to froeling-connect		Remote control of the boiler is not permitted
	Connection to the froeling-connect server		
	No network connection to froeling-connect		
	No connection to froeling-connect server, ⇨ See "Connection status to "froeling-connect"" [page 49]		

Connection status to "froeling-connect"

The connection status to “froeling-connect” is displayed in the information menu.



❒ Tap the information menu in the basic display and navigate to the “froeling-connect” menu

➥ The connection status is displayed in the lower range (connected, deactivated, etc.)

NOTICE! Consult the “froeling-connect” operating instructions for a detailed description of the connection status as well as troubleshooting

Navigation within the system menu

The system menu shows the menus available depending on the user level and the system configuration. Use the right and left arrows to navigate to the individual menus. Tap the corresponding icon to open the menu. Within the individual menus, the status display is shown with current values. For example, if several heating circuits are installed, you can use the right and left arrows to navigate to the desired heating circuit.

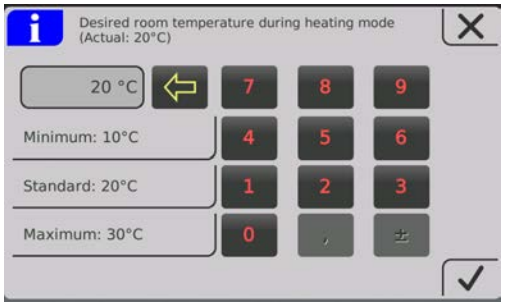
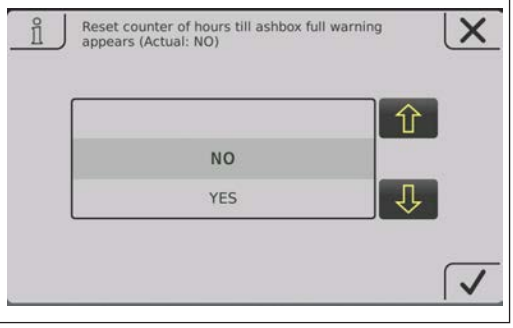
Tap the respective tab to carry out settings in the menus.

Icon	Tab	
	State	
	Temperatures	
	Times	
	Service	
	General settings	
	Solar heat meter	

Changing parameters

Staff ❒ Operator

If there is a “pencil” symbol next to a parameter text, the parameter can be edited. Depending on the type of parameter, it can be edited using the numeric keypad or by selecting from a list and then tapping on the “Confirm” symbol.

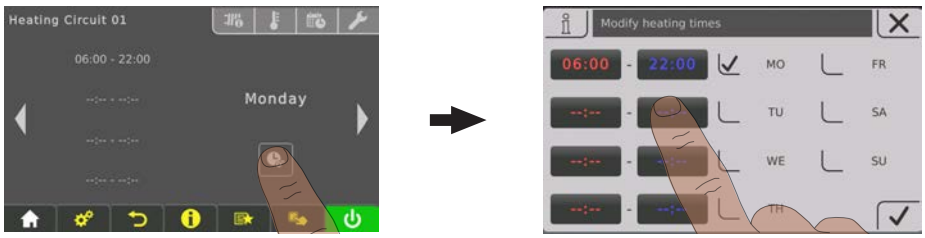
Numeric keypad	Dropdown list
	

Changing the time window

Staff ❒ Operator

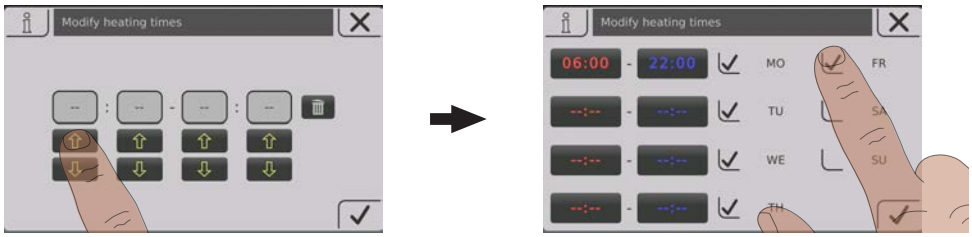
The desired time window can be set in the “Times” tab in the menus of the heating components (heating, water, etc.). Up to four time windows are possible per day.

❒ Use the left or right arrow to navigate to the desired day of the week
❒ Tap the time window or icon underneath the day of the week
❒ Tap on the time window to be changed

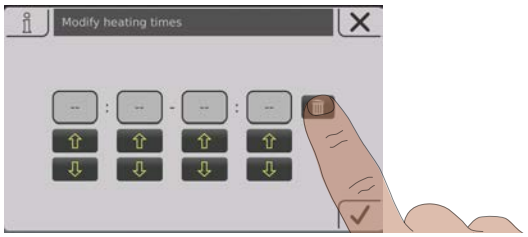


❒ Use the up and down arrows to set the start and end time and save by tapping the “Confirm” icon

The time window set is saved for all selected days of the week.



To delete a saved time window, tap on the “Recycle bin” icon next to it.



Quick menu

The quick menu provides different functions depending on the system configuration and system status.

Icon	Description
	Language selection Sets the desired system language: Deutsch – English – Francais – Italiano – Slovenski – Cesky – Polski – Svenska – Espanol – Magyar – Suomi – Dansk – Nederlands – Русский – Srpski – Hrvatski
	Clean the touch display The touch display is locked for 10 seconds, during which time it is possible to clean it without inadvertently changing the settings.
	User level Changes the current user level **Code “0”** … Child lock/Control lock **Code “1”** … Customer
	Extra heating Boiler starts, heating and domestic hot water tank are activated for 6 hours. The mode setting is ignored. CAUTION: The external temperature heating limit set in the "Heating" menu is active and can prevent release of the heating circuits.
	Extra loading One-time extra loading of all available DHW tanks. Subsequently, the mode that was previously set becomes active again.
	Error display List of all pending boiler faults and how to eliminate them.

	Setting wizard **Switching on for the first time:** Setting the language, manufacturer’s number, date and time **Connect:** Setting parameters required for the boiler to use the “froeling-connect.com” (IP address, display password, etc.)

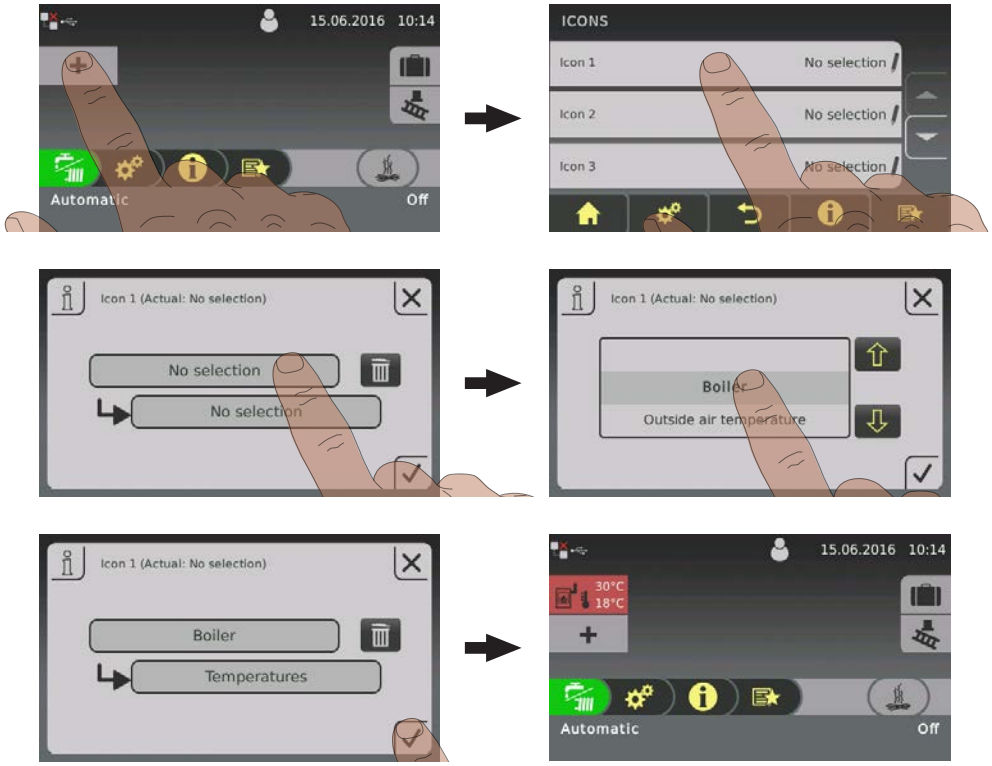
7.4.2 Select information displays

Tapping on the randomly selectable information displays in the basic display opens the respective menu. The following options are available depending on the system configuration:

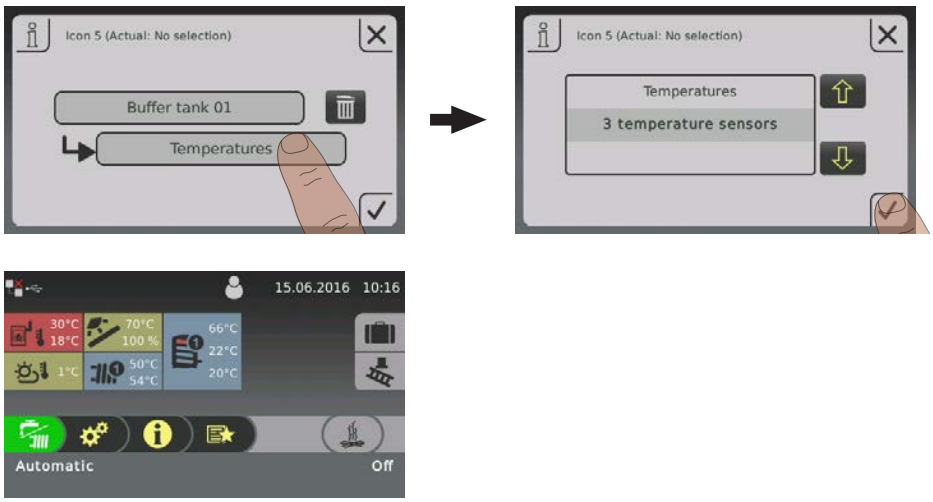
Menu	Selection	Icon	Description
Boiler	Empty ash box in		Display of the remaining heating hours until the message “Ash box full, please empty” appears.
	Temperatures		Display of boiler und flue gas temperature
	Calorific value heat exchanger[1)]		Display of boiler and flue gas temperature before or after the calorific value heat exchanger.
	Operation hours		Display of the operating hours and the operating hours since last maintenance.
Outside air temperature	Temperatures		Display of the current outside air temperature.
Boiler 2	Temperatures		Display of the temperature of the secondary boiler and the status of the burner relay
Solar	Temperatures		Display of the collector temperature and control of the collector pump.
Pellets	Remaining pellet amount in storeroom		Display of the remaining amount of pellets in storeroom.
Heating circuit 01 – 18	Temperatures		Display of the actual flow temperature and flow temperature setpoint of the respective heating circuit.
DHW tank 01 – 08	Temperatures		Display of the current DHW tank temperature and control of DHW tank pump of the respective DHW tank.
Storage tank 01 – 04	Temperatures		Display of storage tank temperature, top and bottom
	3 temperature sensors[1)]		Display of storage tank temperature, top, middle and bottom.
	4 temperature sensors[1)]		Display of storage tank temperature top, store sensor 2, store sensor 3 and bottom.
Circulation pump	Temperatures		Display of the status at the flow sensor (if present) and the current circulation return temperature.

Menu	Selection	Icon	Description
Difference controller	Temperatures		Display of the current temperature from source and recess of the differential regulator
System	CPU/RAM capacity	CPU RAM	Display of the CPU and RAM capacity in percent

1. This selection merges two tiles together, reducing the maximum number of information displays!



When using more than two store sensors, it is possible to have an information display with storage tank temperatures in accordance with the number of sensors. An information display that spans two areas is used.



7.4.3 Switch boiler ON/OFF

Staff	❒ Operator

The hydraulic system is controlled in accordance with the mode that is set, regardless of boiler status, Change boiler mode

	Boiler ON The boiler is activated and starts following a command from the hydraulic system. (Storage tank, heating circuit, domestic hot water, etc.). Heating circuits and domestic hot water tanks are controlled according to the programs and times set.
	Boiler OFF The control follows the boiler shutdown procedure and starts the cleaning cycle. The boiler switches to “Boiler OFF” status. All boiler units are deactivated, heating circuits and domestic hot water tanks are controlled according to the programs and times set, the chamber discharge system remains active.

7.4.4 Change boiler mode

Staff	❒ Operator

	Depending on the type of boiler, there are several modes available which can be changed directly in the basic display of the touch display.

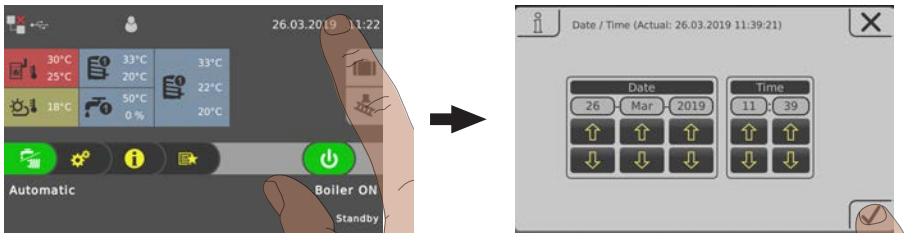
Mode	Icon	Description
Automatic		Supply heating circuits and domestic hot water tanks with heat according to the selected heating times.
Domestic hot water		The domestic hot water tank is supplied with heat within the selected loading times. Heating circuits are switched off, frost protection remains active.
Continuous load		The boiler continuously maintains the selected boiler temperature setpoint and only shuts down for cleaning purposes.

NOTICE! Consult the enclosed operating instructions for the boiler controller for a detailed description of the boiler modes.

7.4.5 Change date and time

Staff	❒ Operator

Tap the displayed date and time in order to change the date and time in the basic display. Use the up and down arrows to adjust the settings and tap the “Confirm” icon to save.



7.4.6 Change desired DHW tank temperature

Staff	❒ Operator

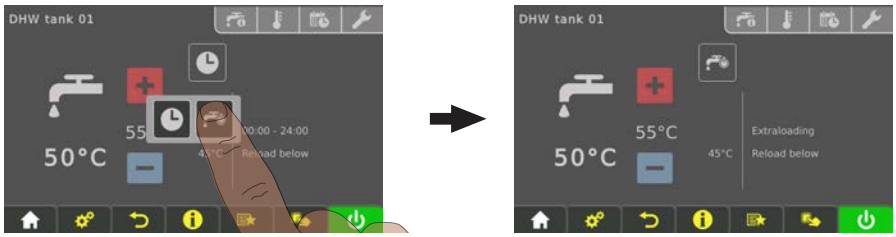
❒ Tap the information display for the desired DHW tank
❒ Adjust the temperature setpoint by tapping “+” or “-”

NOTICE! If this selection is not configured in the information display in the basic display, open the components in the system menu.

7.4.7 One-time extra loading of an individual DHW tank

Staff	❒ Operator

❒ Tap the information display for the desired DHW tank
❒ Tap the mode icon for the DHW tank



❒ Tap the “extra loading” icon
➥ One-time loading of DHW tank starts. Once the selected DHW tank temperature setpoint has been reached, loading stops and the icon switches to “Automatic”.

NOTICE! If this selection is not configured in the information display in the basic display, open the components in the system menu.

7.4.8 One-time extra loading of all existing DHW tanks.

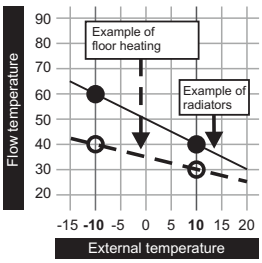
Staff	❒ Operator

In the case of several DHW tanks, the “extra loading” function in the quick menu is used to start a one-time extra loading of all existing DHW tanks.

⇨ See "Quick menu" [page 53]

7.4.9 Set the heating curve of a heating circuit

Staff	❒ Operator



A flow temperature is calculated using the heating curve of the heating circuit depending on the outside air temperature and the two adjustable parameters "`flow temperature at -10°C (14°F) outside air temperature`" and "`flow temperature at 10°C (50°F) outside air temperature`".

Example:
The heating curve is defined with 60°C (140°F) (at -10°C (14°F) outside temperature) and 40°C (104°F) (at +10°C (50°F) outside temperature). If the current outside air temperature is -2°C (28.4°F), the flow temperature is calculated as 52°C (125.6°F).

Heating circuits without measuring the room temperature are operated using the calculated values. The heating curve must be adapted to influence the room temperature, Change room temperature (heating circuit without room temperature sensor)

When using a room temperature sensor (analogue remote control FRA, room console RBG 3200, room console RBG 3200 Touch, room temperature sensor) it is not necessary to interfere with the heating curve. Any deviation of the actual room temperature to the room temperature setpoint is automatically compensated by increasing/reducing the flow temperature.

When starting up the system it is defined whether the heating circuit is operating as a "high temperature circuit" or a "low temperature circuit". The following values are set:

High temperature circuit
▪ Desired flow temperature at -10°C (14°F) outside air temperature: **60°C (140°F)** ▪ Desired flow temperature at 10°C (50°F) outside air temperature: **40°C (104°F)**

Low temperature circuit
▪ Desired flow temperature at -10°C (14°F) outside air temperature: **40°C (104°F)** ▪ Desired flow temperature at 10°C (50°F) outside air temperature: **30°C (86°F)**

Lowering the flow temperature

Outside of the set heating times (Change time window), the setback mode is active and the calculated flow temperature is reduced by the adjustable value "`Lowering the flow temperature in setback mode`".

Heating limits

The outside air temperature heat limits are set in the "Temperatures" tab and they activate/deactivate the heating circuit depending on the outside air temperature or time period.

Parameter	Effect
Outside air temperature, at which heating circuit pump switches off in heating mode (default: 18°C (64.4°F))	If the outside air temperature difference rises above the set value, the heating circuit is deactivated. (Pump off, mixing valve closes)
Outside air temperature, at which heating circuit pump switches setback mode on (default: 7°C (44.6°F))	If the outside air temperature in setback mode (default: 22:00 – 06:00) falls below the set value, the heating circuit is activated (pump on, mixing valve regulated as per heating curve)

7.4.10 Change room temperature (heating circuit without room temperature sensor)

Staff ❒ Operator

Situation	Effect
Room temperature generally too low	Move heating curve up in parallel. Increase both points on the heating curve by the same temperature level. (see figure 1)
Room temperature on warm days too low, OK on cold days	Change the slope of the heating curve. Increase the temperature curve at -10°C (14°F) (see Figure 2)
Room temperature on warm days too high, OK on cold days	Change the slope of the heating curve. Temperature level of heating curve lowered by 10°C (50°F) (see Figure 3)

Figure 1

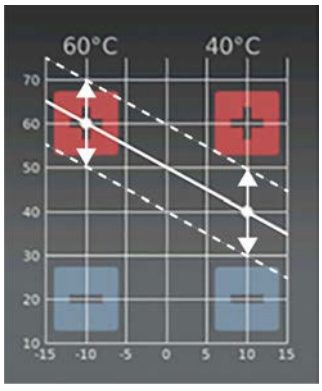


Figure 2

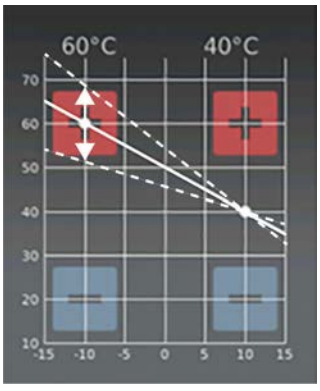
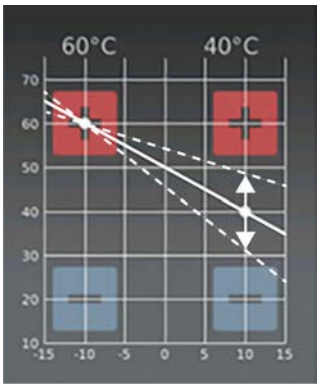


Figure 3

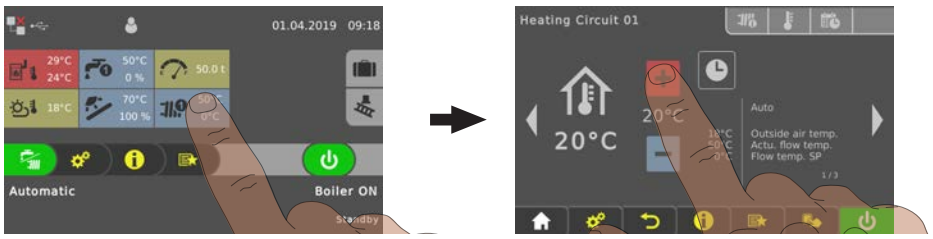


Depending on the situation, the heating curve an be adapted by tapping “+” or “-” at +/-10°C (+/-18°F) outside air temperature.

If the heating curve must be changed, never change the desired point for a high temperature circuit more than 5°C (41°F), and never more than 3°C (6°F) for a low temperature circuit. Once the changes have been made, wait a few days and assess comfort levels before carrying out additional changes.

7.4.11 Change room temperature (heating circuit mit room temperature sensor)

Staff	❒ Operator



❒ Tap information display of the desired heating circuit
❒ Tap “+” or “-” to adjust the desired room temperature

NOTICE! If this selection is not configured in the information display in the basic display, open the components in the system menu.

Otherwise, the room temperature can be adjusted directly on the remote control/room console.

7.4.12 Switch heating circuit mode

Staff	❒ Operator

Tap the mode icon in the menu of the respective heating circuit in order to change the mode.

Procedure	Icon	Description	
		OFF	The heating circuit is switched off. Frost protection remains active!
		Auto	The heating circuit is controlled according to the set time program.
		Party	The heating circuit is regulated before the start of the next heating time. To cancel this function prematurely, activate another mode/function.
		Setback mode	The heating circuit is regulated to the set setback temperature until the start of the next heating time. To cancel this function prematurely, activate another mode/function.
		Extra heating	The heating circuit is regulated to the set room temperature with no time limitation. To cancel this function prematurely, activate another mode/function.
		Continuous setback mode	The heating circuit is regulated to the set setback temperature until activation of another mode/function.

7.4.13 Lock display/switch user level

Staff	❒ Operator

For safety reasons, individual parameters are only visible at specific operating levels. To change to another level it is necessary to enter the relevant user code.

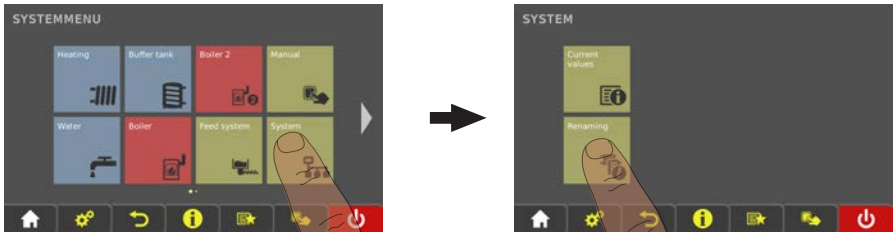
❒ Tap on the icon for the user level in the upper area of the basic display and enter the code.

User level	Icon	Description
Operating lock (Code “0”)		At “Lock” level, only the basic display appears. It is not possible to change parameters.
Customer (Code “1”)		Standard user level for normal operation of the controller. All customer-specific parameters are displayed and can be changed.
Installer		Releases parameters to adjust the controller to the system components (if configured). All parameters are available.
Service		

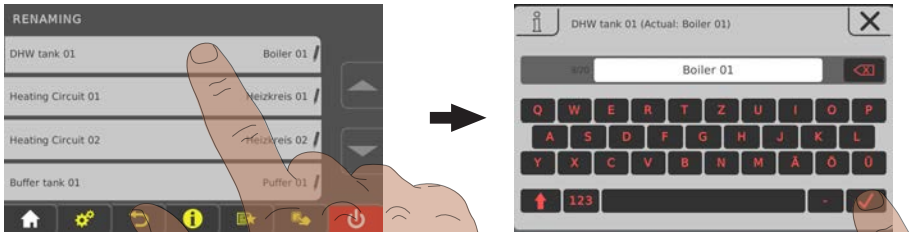
7.4.14 Rename components

Staff	❒ Operator

The names of the DHW tank, storage tank and heating circuits can be randomly selected. A maximum of 20 characters are available for the name.



❒ Navigate to the “System” menu and open the “Renaming” sub-menu

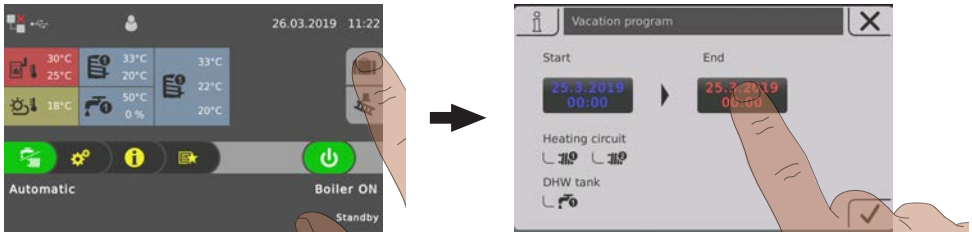


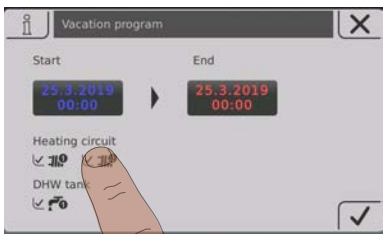
❒ Tap the desired component and use the keyboard to rename it

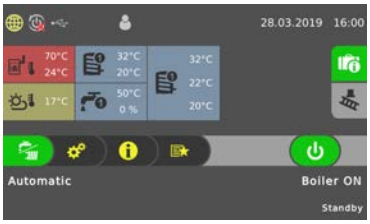
7.4.15 Configure the holiday program

Staff	❒ Operator

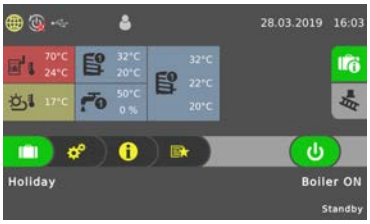
Setting a start and end date in the holiday program determines a time period in which an active heating circuit is regulated for the set setback temperature and in which an activated boiler is not loaded. If Legionella heating is set, it remains active.





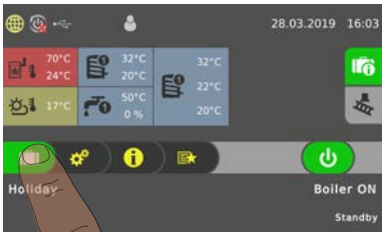


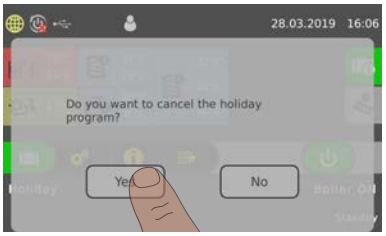
If the start date is set in the future, the “suitcase” icon will be highlighted in green.

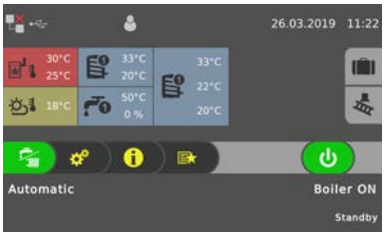


Once the set start time of the holiday program has been reached, the boiler switches to “holiday” mode

Tap the “suitcase” icon to prematurely end the holiday program. The boiler then switches to the previously activated mode (“water tap” symbol = domestic hot water, “water tap/radiator” symbol = automatic).







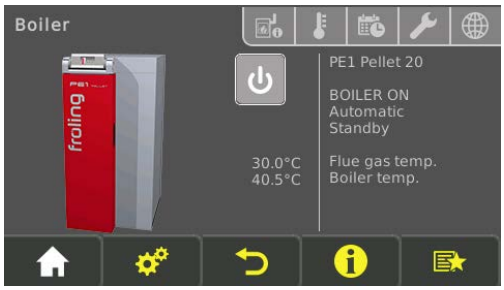
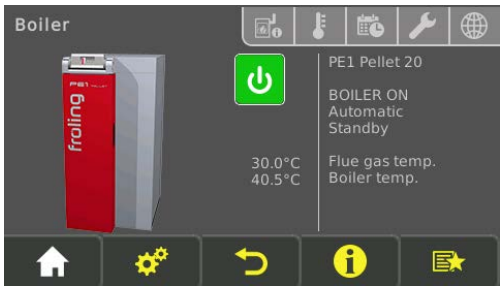
7.5 Switch the boiler ON/OFF on the room console

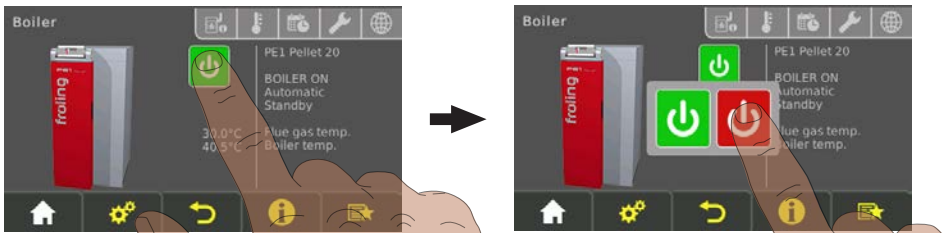
Staff	❒ Operator

Prerequisite:

- Boiler access rights configured for the room console

If the boiler remote control is also activated (⇨ See "Display icons for froeling-connect/ remote control" [page 49]), the boiler can be switched on and off on the room console.

	
Boiler remote control deactivated	Boiler remote control activated



❒ Switch the boiler ON/OFF by tapping the current operating status

7.6 Adjust pellet consumption counter after fuel delivery

7.6.1 Notes on filling the fuel stores

When working in the fuel store:

Risk of injury due to moveable parts!
Shut off the feeder unit before entering the fuel store!

When cleaning the fuel store, an increased amount of dust may be generated. Wear a dust mask when working in the fuel store.

Adequately ventilate the fuel store before entering. Keep the door open and always have a second person present. Observe the CO concentration limit (< 30 ppm)!

Slick surfaces in the fuel store present a slipping hazard!

Unauthorized access prohibited! Keep children away!
Keep the fuel store locked and store the key in a safe place!

Fire, open flames, or smoking are prohibited inside the fuel store!

⚠ CAUTION

Filling the fuel store when the boiler is switched on

Could result in damage and consequential injury!

When filling the fuel store:

❒ Switch off the boiler by tapping “Boiler OFF”.

↪ The boiler follows the shutdown procedure and switches to "Boiler off" status.

❒ Allow the boiler to cool for at least half an hour.

When the boiler has cooled down:

❒ Before filling, check the store for fine particles and clean if necessary

❒ Close all openings to the store to seal out dust

❒ Fill the store with pellets

↪ Only use permitted pellets!

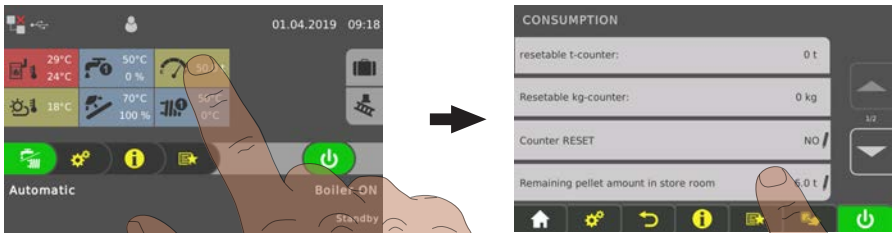
⇨ See "Approved fuels" [page 41]

7.6.2 Correct the remaining pellet amount in store room

Staff ❒ Operator

Add the following values for the available fuel quantity in the fuel store:

- Remaining pellet amount in fuel store before refilling
- Refilled quantity by the pellet supplier



❒ In the “Consumption” menu, select the “Remaining pellet amount in store room” parameter and enter the calculated value

7.6.3 Adjust the pellet consumption counter to the fuel

Staff ❒ Operator

NOTICE! The boiler must be in the “Boiler off/standby” operating status!

To accurately calculate pellet consumption, it is recommended to regularly weigh the amount of pellets fed in at 100% feed rate.

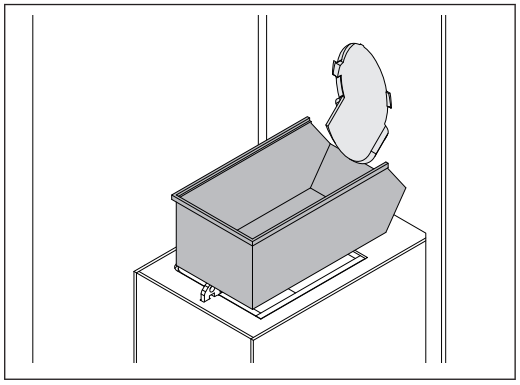
❒ Remove the cover and the combustion chamber cover

❒ Remove the burn-out tray

➥ The burner insert remains in the burner

❒ Remove fly ash and clean combustion chamber and burner

⇨ See "Cleaning the burn-out tray, burner insert and combustion chamber" [page 80]

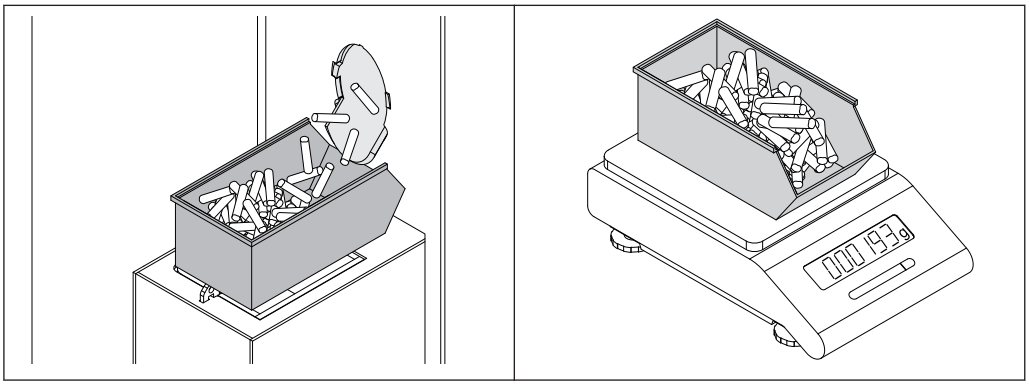


❒ Insert receiving tank with suitable dimensions into the burner

Start the process:

❒ In the "Consumption" menu, set the "Start the process for determining the pellet feed rate" parameter to "YES"

↪ Stoker screw feeds pellets to the receiving tank with a fuel feed-in of 100% for several minutes



Once the process is finished:

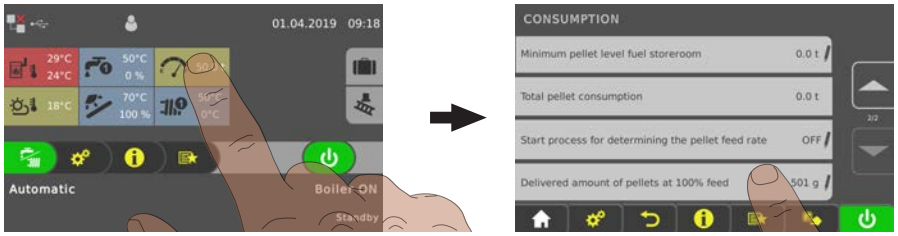
❒ Manually move the pellets away from the feed-in opening into the receiving tank so that none of the pellets fall into the ash chamber below

❒ Weigh the receiving tank including pellets on the kitchen scale

❒ Subtract the weight of the receiving tank and note the value

❒ Empty the pellets into the pellet fuel store

❒ Carry out the entire procedure again and note the displayed value once again

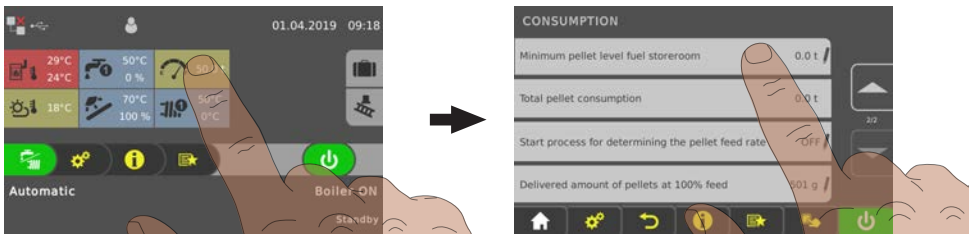


❒ Tap the information display of the pellet consumption

❒ Enter the larger of value of the two measurements in the "Consumption" menu in the "Delivered amount of pellets at 100% feed" parameter

7.6.4 Setting the automatic notification for minimum level

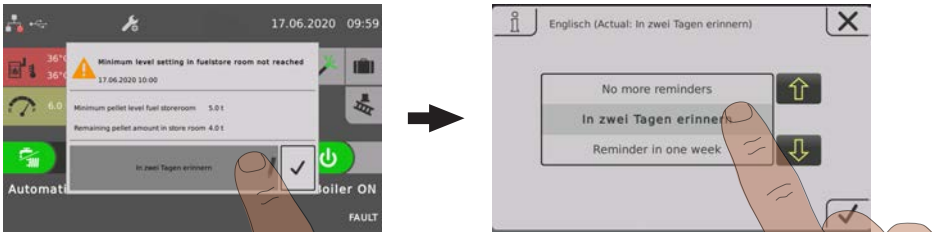
Staff	❒ Operator



❒ In the “Consumption” menu, select the “Minimum pellet level fuel storeroom” parameter and enter the desired value

TIP: Select approximately 10% of the fuel store capacity as the value for the minimum level.

When the set minimum level in the pellet store is reached, a message is shown on the boiler display:



❒ Select and confirm by tapping the “pen” icon
- ➥ No more reminders
- ➥ Reminder in two days
- ➥ Reminder in one week

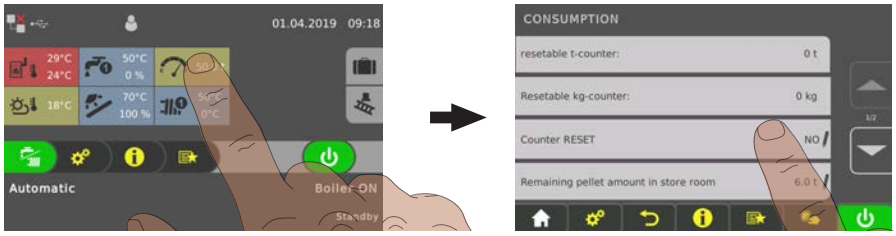
7.6.5 Resetting the pellet consumption counter

Staff	❒ Operator

The pellet consumption counter indicates the consumption of pellets in the parameters "Resettable t-counter" and "Resettable kg-counter" in steps of tons or kilograms. Both values are set to "0" by resetting.

Examples of use for the counter:

- Monthly accounting to illustrate seasonal changes in pellet consumption
- Seasonal accounting (e.g. during the winter months) to illustrate annual changes in pellet consumption



❒ In the "Consumption" menu, set the "RESET counter" to "YES"

↪ Values of the parameters "Resettable t-counter" and "Resettable kg-counter" are reset to "0"

↪ Parameter "RESET counter" is reset to "NO"

7.7 Check the fill level of the ash container and empty if required

The ash container must be emptied at appropriate intervals depending on energy requirements and fuel quality. The grate, burn-out tray and combustion chamber should also be checked at these intervals.

⚠ WARNING

When removing the ash container cover during operation:

False air infiltration via the ash screw duct can lead to uncontrolled combustion and the risk of accidents.

Before checking the ash level / emptying the ash container:

❒ Switch off the boiler by tapping "Boiler off"

↪ The boiler follows the shutdown procedure and switches to "Boiler off" status.

Hot ashes

⚠ WARNING

Risk of injury from hot ashes!

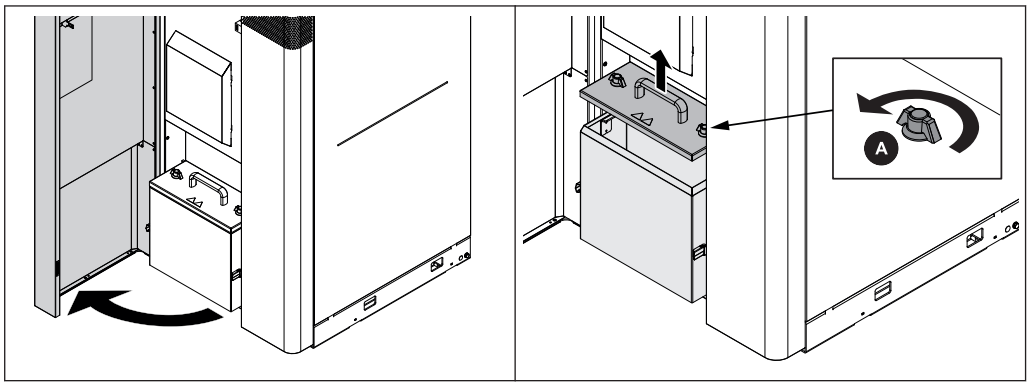
❒ Always wear protective clothing and protective gloves when working on the system.

❒ Before handling ash, check whether or not it is still hot. Allow to cool if necessary.

↪ Ash is extremely hot after the combustion process. Contact can cause serious burns.

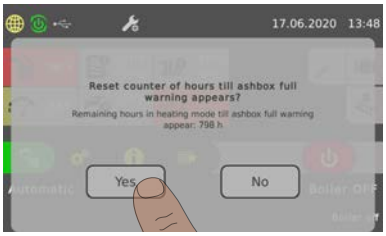
7.7.1 Check the fill level of the ash container

Staff	❒ Operator



❒ Open the insulated door
❒ Open the locks (A) on the cover by turning anti-clockwise
❒ Remove the cover and check the fill level
❒ Replace the cover and secure with locks (A)

The message “Reset counter of hours till ashbox full warning” appears on the boiler display:



If the ash container is emptied:

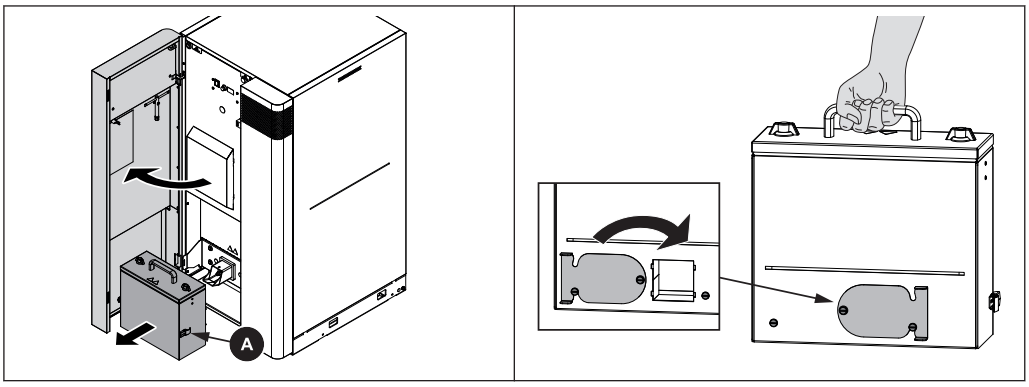
❒ Confirm the message by tapping on “YES”
  ➥ The counter of the remaining heating hours is reset to the preset value

If the ash container is not emptied:

❒ Close the message by tapping on “NO”
  ➥ The counter of the remaining heating hours remains unchanged

7.7.2 Empty ash container

Staff	❒ Operator



❒ Open the insulated door of the boiler
❒ Open the side fasteners (A) on the ash container and remove the ash container
❒ Close the opening at the rear with the sliding valve and take the ash container to the emptying point
➥ Disposal of the ash

7.8 Switching off the power supply

⚠ WARNING

When turning off the main switch in automatic mode:
Serious combustion faults leading to serious accidents are possible.

Before turning off the main switch:
❒ Switch off the boiler by tapping “Boiler off”
➥ The boiler shuts down in a controlled manner and switches to the operating state "Operating state OFF" after the cleaning cycle

❒ Turn off the main switch
➥ Boiler controller is switched off
➥ There is no power supply to any of the boiler components

NOTICE! Frost protection function is no longer active!

8 Maintaining the boiler

8.1 Safety instructions for maintenance

Automatic start-up

⚠ WARNING

Risk of injury from automatic start-up!

- ❒ Before doing any work, switch the boiler off at the control system.
- ❒ Switch off the main switch and take precautions to prevent accidental switching on.
  - ➥ There is a risk of serious injury from the system starting up automatically if it is switched on during inspection and cleaning.

Risk of injury due to improperly performed maintenance work!

⚠ WARNING

Risk of injury due to improperly performed maintenance work!

- ❒ Before starting any work, switch the boiler off using the control system. Allow the boiler to cool sufficiently. Once the boiler has cooled down, switch off the main switch and take precautions to prevent accidental switching on.
- ❒ Only operate the boiler using the handles provided.
- ❒ Perform all inspection and cleaning work to the boiler in the proper way.
- ❒ Pay attention to order and cleanliness in the boiler room.
- ❒ Any maintenance work not permitted for the operator must be carried out exclusively by Froling customer service or an authorized partner.
- ❒ Always wear personal protective equipment for work (protective clothing, safety shoes, protective gloves, dust mask, protective goggles).
- ❒ Before starting up again, make sure that there is no-one in the danger zone and that all covers and safety devices are installed and work properly.
- ❒ THE HEAT EXCHANGER, DRAFT INDUCER, FLUE PIPE, AND CHIMNEY MUST BE CLEANED REGULARLY TO REMOVE ACCUMULATED CREOSOTE AND ASH. ENSURE THAT THE HEAT EXCHANGER, FLUE PIPE, AND CHIMNEY ARE CLEANED AT THE END OF HEATING SEASON TO MINIMIZE CORROSION DURING THE SUMMER MONTHS. THE APPLIANCE, FLUE PIPE, AND CHIMNEY MUST BE IN GOOD CONDITION. THESE INSTRUCTIONS ALSO APPLY TO A DRAFT INDUCER IF USED.
  - ➥ Incorrect or insufficient inspection and cleaning of the boiler can cause serious faults in combustion (e.g. spontaneous combustion of carbonization gases or explosion) and this can lead to serious accidents and damage.

8.2 Maintenance schedule

Interval	Maintenance work	Staff
Every 100 operating hours	Visually inspect the system	Operator
	Check that safety equipment is functioning properly	Operator
twice a month during the heating period	Remove soot, tar oil and ash deposits from the chimney connection and chimney	Chimney sweep
After every operating period of 2000 hours or once a year	Clean the heat exchanger	Froling customer service or an authorized partner
	Cleaning the combustion grate	Froling customer service or an authorized partner
	Cleaning the measurement line of the underpressure controller	Froling customer service or an authorized partner
	Cleaning the flue gas pipe	Froling customer service or an authorized partner
	Checking the draft controller flap	Froling customer service or an authorized partner

8.3 Maintenance work

8.3.1 Carrying out a visual inspection

Staff:	❒ Operator
Protective equipment:	❒ Protective workwear ❒ Protective gloves ❒ Safety shoes

The operator must check the system at regular intervals. If you detect a damage, contact Froling customer service or an authorized partner immediately.

❒ Check the quantity of fuel in the fuel store.

❒ Check the fuel supply to the boiler.

❒ Visually inspect the seal on the boiler's geared motors.

There should be no significant leakage of lubricant. The presence of a few drops of lubricant may be normal. If a significant quantity of lubricant is leaking, immediately inform the heating system installer, Froling customer service or an authorized partner.

8.3.2 Checking the safety equipment

Staff:	❒ Operator
Protective equipment:	❒ Protective workwear ❒ Protective gloves ❒ Safety shoes

Emergency stop button

❒ Check the emergency-stop button for proper function (if present).

STL (high-limit thermostat)

❒ Check the high-limit thermostat.

Safety valve

❒ Check the safety valve in the heating circuit.

System pressure

❒ Check the system pressure on the pressure gauge.

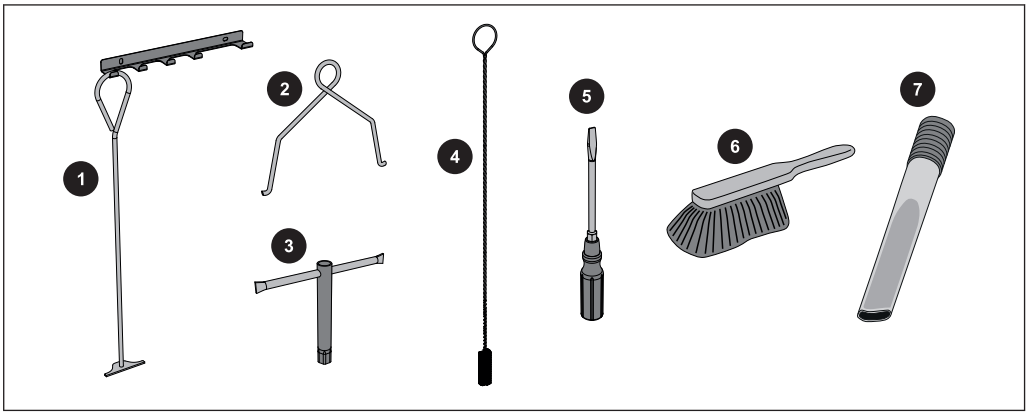
Check that the position of the pressure gauge and rated pressure of the expansion tank match your heating system installer's specifications.

❒ If the system pressure is low, the heating system installer must refill water and check the heating system for leaks.

❒ In case of large pressure fluctuations, ask the heating system installer to inspect the expansion tank.

8.3.3 Required tools

The following tools are required in order to proceed with cleaning and maintenance tasks:



Included in delivery:	
1	Furnace tool with bracket
2	Mounting bracket for burner insert (only for PE1 Pellet 35)
3	Socket wrench AF 13
4	Cleaning brush (Ø 41 x 1000) for cleaning the heat exchanger

Not included:	
5	Screwdriver set (Philips, flat head, Torx T20, T25, T30)
6	Small brush or cleaning brush
7	Ash vacuum

8.3.4 Maintenance work by the operator

- ❒ Regular cleaning of the boiler extends its service life and is a basic requirement for smooth operation.
- ❒ Recommendation: Use an ash vacuum for cleaning.

Inspection

Staff	❒ Operator

Checking the system pressure

- ❒ Check the system pressure on the pressure gauge.
  - ➥ The value must be 20% greater than the preload pressure of the expansion tank.
    NOTICE! Check that the position of the pressure gauge and rated pressure of the expansion tank match your installer's specifications!

If the system pressure decreases:

- ❒ Add water.
  NOTICE! If this happens frequently, the seal of the heating system is faulty! Inform your installer.

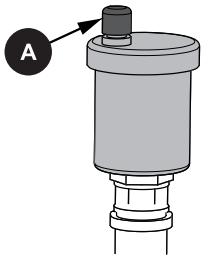
If large pressure fluctuations are observed:

- ❒ Ask an expert to inspect the expansion tank.

Checking the safety valve

- ❒ Check the seal of the safety valve regularly and ensure that the valve is not dirty.
  NOTICE! Inspection work must be carried out in accordance with the manufacturer's instructions.

Checking the quick vent valve



- ❒ Regularly check all the quick vent valves on the entire heating system for leaks
  - ➥ If any liquid is leaking, replace the quick vent valves

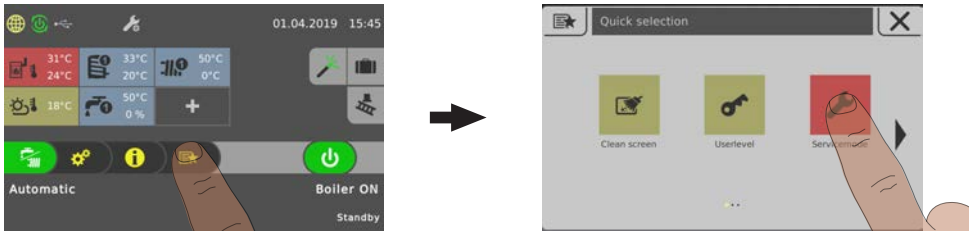
NOTICE! The vent cap (A) must be loose (screw on approx. two revolutions) to ensure correct functioning.

Cleaning

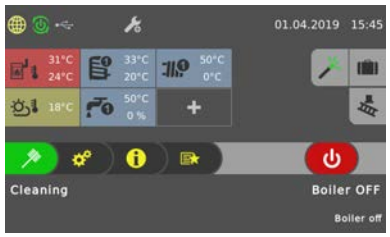
Staff	❒ Operator

❒ Allow the boiler to cool for at least one hour
❒ Activate service as described in the following

In service mode the induced draught rotates at low speed. The cleaning process is thus supported by the suctioning up of the stirred up ash.



❒ Tap on “Service mode” in the quick menu



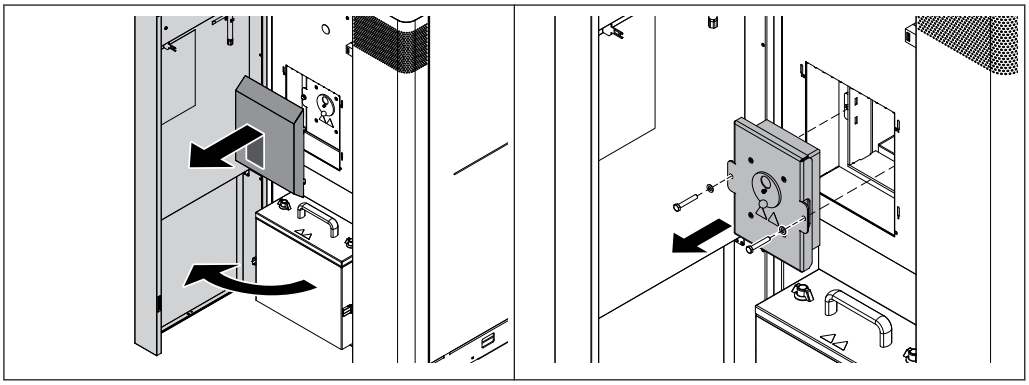
❒ The “Cleaning” mode is activated in accordance with boiler-specific processes
➥ As soon as this state is displayed, the cleaning process may begin.

Cleaning the burn-out tray, burner insert and combustion chamber

Staff	❒ Operator

❒ Allow the boiler to cool for at least one hour

❒ Activate service mode

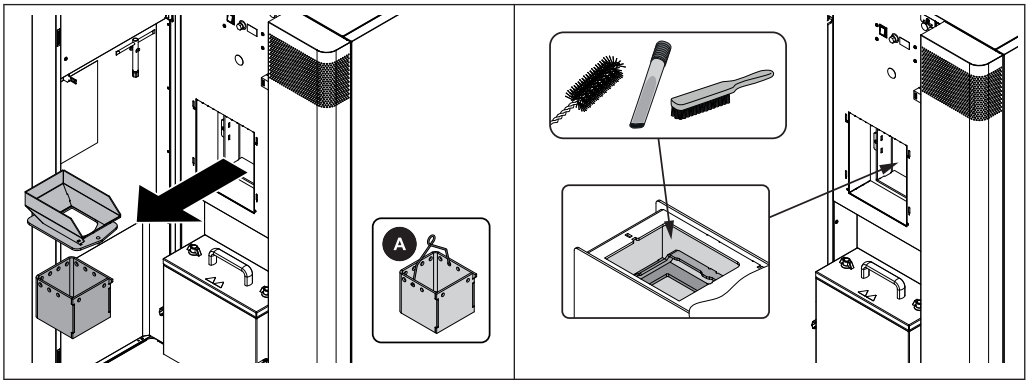


❒ Open the insulated door

❒ Lift up to unhook the cover of the combustion chamber

❒ Dismantle the combustion chamber cover using a box wrench combustion chamber

➥ The box wrench is attached in tool clamp (A) on the inside of the insulated door



❒ Remove burn-out tray and burner insert
For PE1 Pellet 35:
- Rotate components 90° to facilitate dismantling.
- Use mounting bracket (A)

❒ Clean burn-out tray and burner insert

➥ Replace burn-out tray and burner insert if defective

❒ Clean the top side and interior surfaces of the burner

❒ Remove deposits from the opening of the igniter tube

Periodic inspection and cleaning

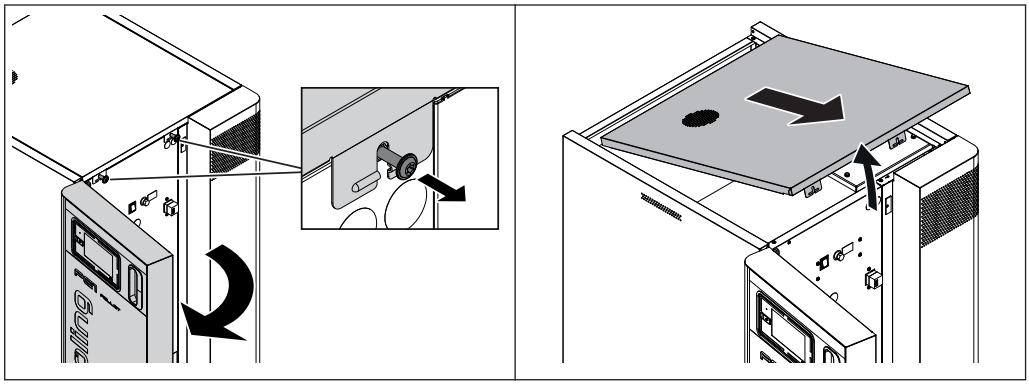
The boiler must be inspected and cleaned at appropriate intervals depending on the operating hours and fuel quality.

Inspection and cleaning must be repeated after not more than 2,500 operating hours or at least once a year. For less efficient fuels (e.g. high ash content) this work needs to be carried out more frequently.

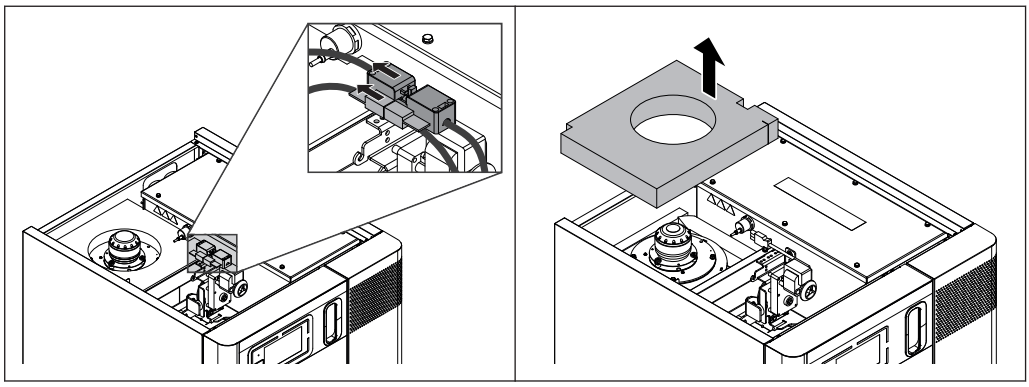
Clean the induced draft fan

Staff	❒ Operator

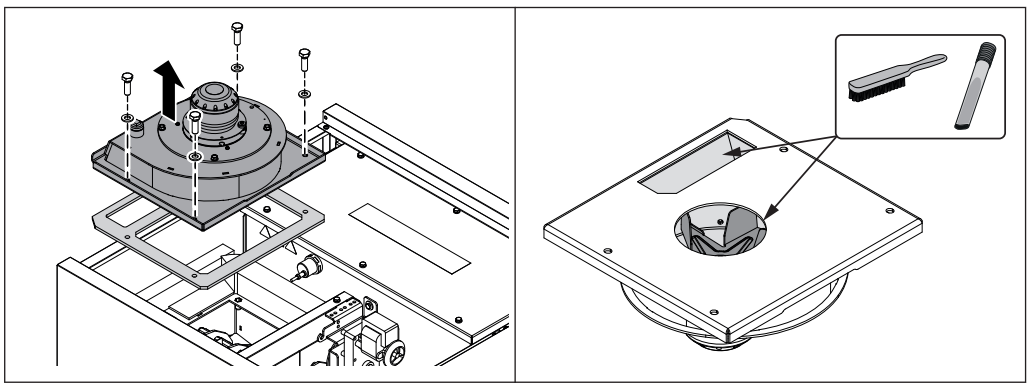
❒ Start the shutdown procedure by tapping “Boiler OFF”
❒ Switch of the boiler at the main switch and let cool down for at least one hour



❒ Open the insulated door and undo the safety screws located behind it
❒ Lift the cover slightly and remove it from the front



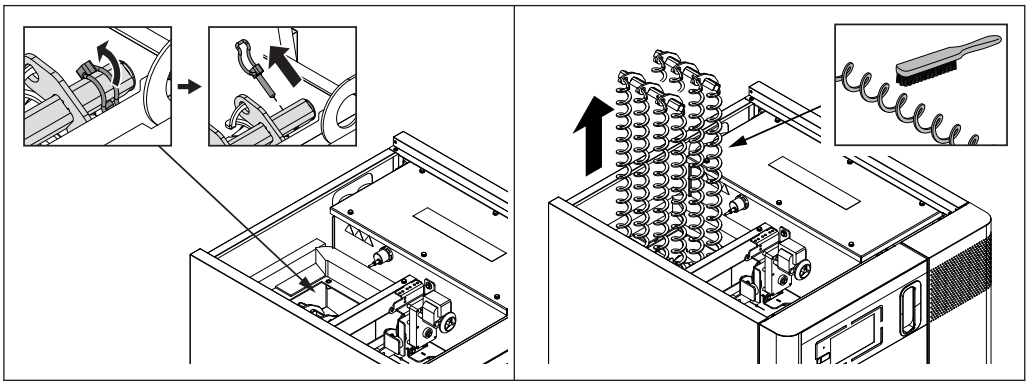
❒ Remove the plug connection from the induced draught fan
❒ Remove the thermal insulation on the induced draught fan



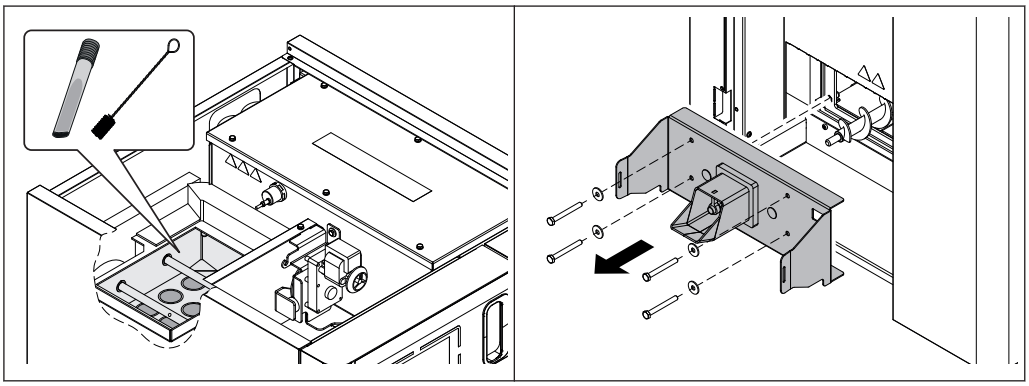
❒ Dismantle the induced draught unit housing including ID fan
  ➥ Replace gasket if defective
❒ Carefully clean the induced draught unit housing and impeller on the ID fan

Clean the heat exchanger and WOS springs

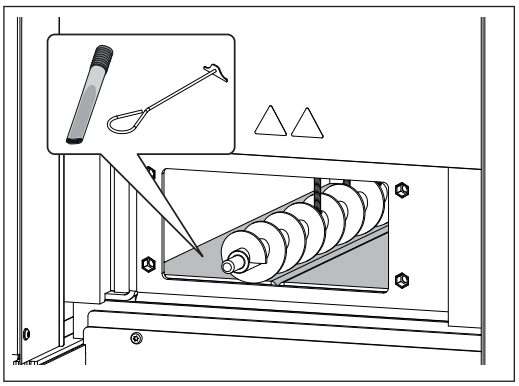
Staff	❒ Operator



❒ Remove the pipe locking pin from the linking plate
❒ Lift out the linking plates including WOS springs
❒ Clean the WOS springs



❒ Use a brush to clean the flue gas collection chamber, opening to the flue gas pipe and heat exchanger pipes
❒ Remove any soot which has fallen in
↳ **TIP:** Use an ash vacuum
❒ Dismantle the ash removal console at the front



❒ Remove any accumulated soot using a flat scraper

Cleaning the flue gas pipe

Staff	❒ Operator

❒ Remove the inspection cover on the connecting pipe
❒ Clean the connecting pipe between the boiler and chimney with a chimney sweeping brush
➥ Depending on the layout of the flue gas pipes and the chimney draught, cleaning once a year may not be enough!

Checking the draft controller flap

Staff	❒ Operator

❒ Check that the draught controller flap moves freely

8.3.5 Maintenance work by technicians

⚠ CAUTION

If maintenance work is carried out by untrained personnel:
Risk of personal injury and damage to property

The following applies for maintenance:
❒ Observe the instructions and information in the manuals
❒ Only allow appropriately qualified personnel to work on the system

Only qualified staff are permitted to carry out maintenance work in this chapter:
- Heating technicians/building technicians
- Electrical installation technicians
- Froling customer services

The maintenance staff must have read and understood the instructions in the documentation.

NOTICE! We recommend a yearly inspection by Froling customer services or an authorized partner (third party maintenance).

Regular maintenance and servicing by a heating specialist will ensure a long, trouble-free service life for your heating system. It will ensure that your system stays environmentally-friendly and operates efficiently and cost-effectively.
In the course of this maintenance the entire system is inspected and optimized particularly regulation and control of the boiler. The emission measurement carried out can also be used to draw conclusions about the combustion performance of the boiler.
For this reason, FROLING offers a maintenance contract, which optimizes operating safety. Please see the details in the accompanying guarantee certificate.

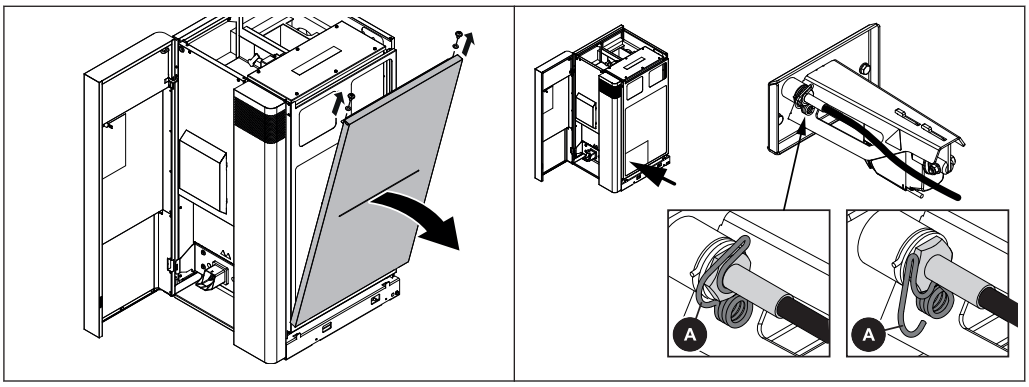
Your Froling customer service office will also be happy to advise you.

NOTICE

All national and regional regulations relating to regular testing of the system must be observed. Please be advised that, in Austria, commercial systems with a rated heat output of 50 kW or more must be regularly tested at yearly intervals in accordance with the Heating Plant Regulations (FAV in the applicable version).

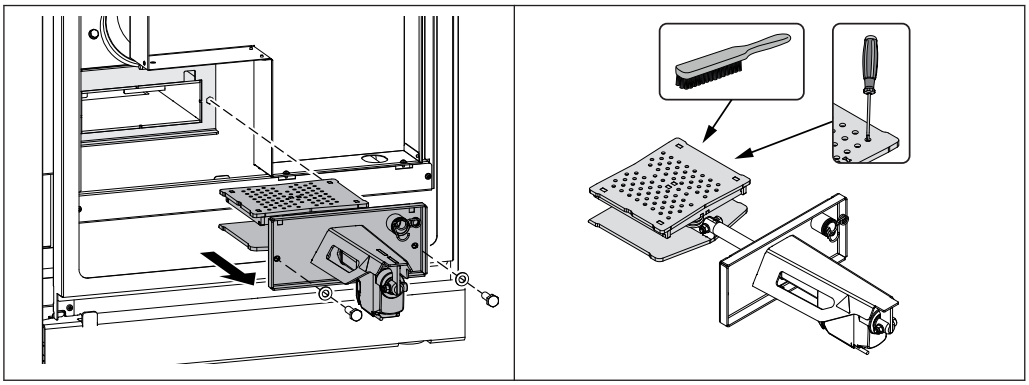
Cleaning the combustion grate

Staff	❒ Skilled worker



❒ Undo the screws on the top and remove the side panel

❒ Pull the hooks (A) on the spring cotter to the side and pull out the ignition cartridge



❒ Dismantle the entire grate unit

↪ Pay attention to the cable for the grate unit

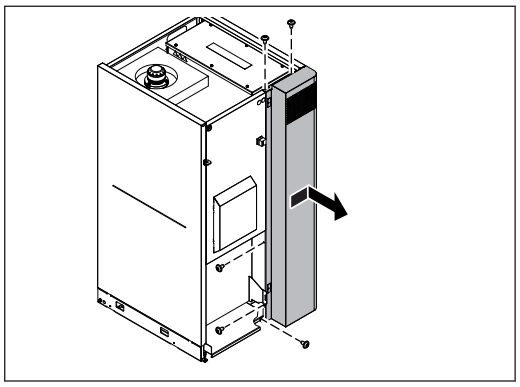
❒ Thoroughly clean the combustion grate, remove any dirt from the air openings using a screwdriver

↪ Replace grate if defective

NOTICE! Small cracks and slight deformations on the grate are not indicative of a fault. After a thorough cleaning, the grate can be installed again.

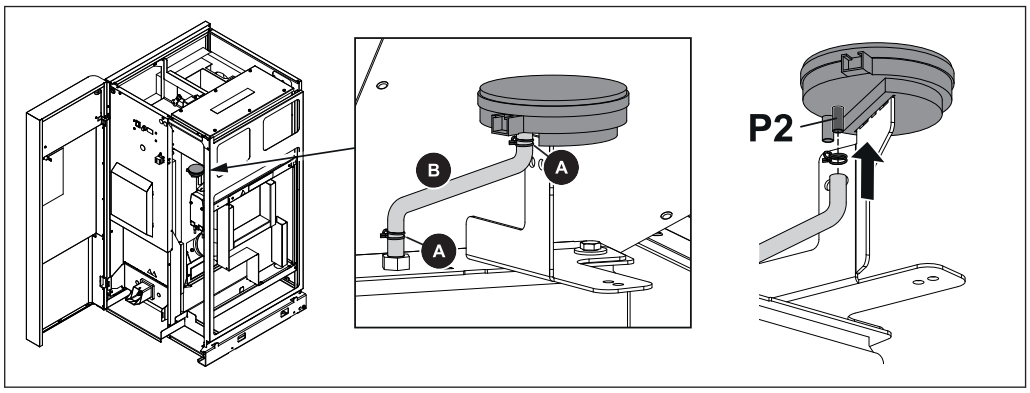
Cleaning the measurement line of the underpressure controller

Staff	❒ Skilled worker



❒ Undo the screws on the front cover plate

❒ Unlock cover plate to the right and lift off to the front



❒ Loosen the twin wire clamps (A) with pliers and remove the measurement line (B)

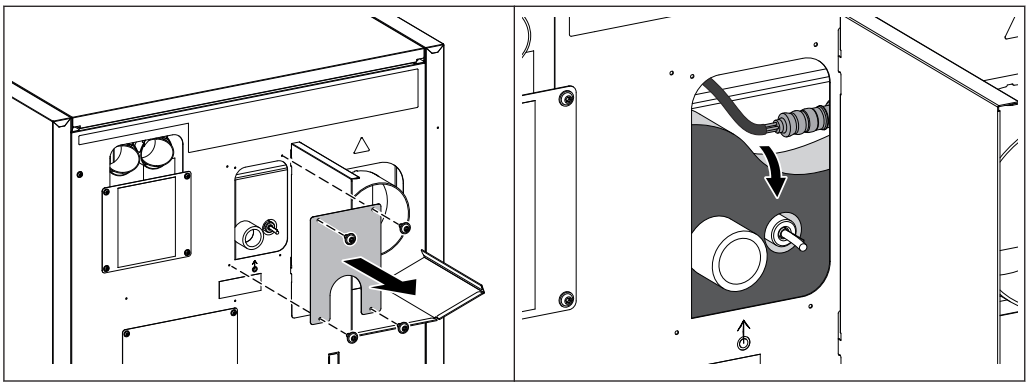
❒ Clean the measurement line with gentle compressed air

➥ WARNING! Do not blow compressed air into the differential pressure transmitter!
It may damage the measuring device

❒ After cleaning, insert the measurement line into the measuring nipple and the “P2” connection of the differential pressure transmitter and attach using twin wire clamps

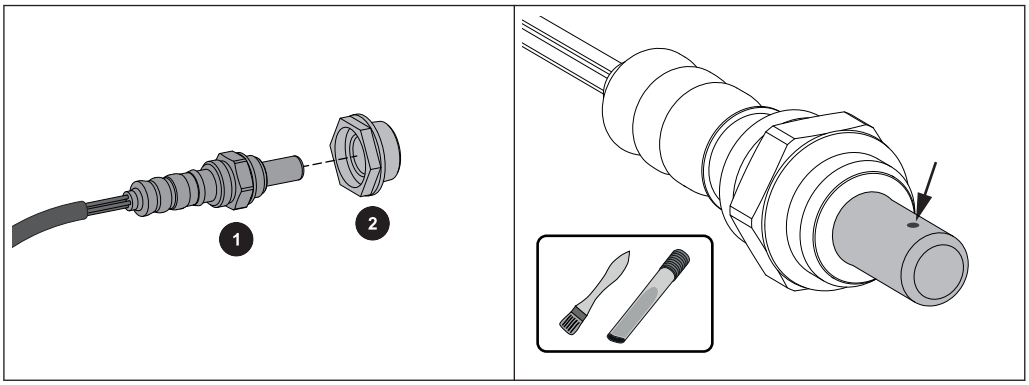
Cleaning the Lambda probe

Staff	❒ Skilled worker



❒ Remove the cover plate on the boiler flow

❒ Press the thermal insulation behind it slightly downwards



❒ Carefully remove the Lambda probe (1) and plastic bushing (2)

➥ Pay attention to the cables of the Lambda probe!

❒ Carefully remove impurities from the measuring ports with a fine brush and ash vacuum

➥ Hold the Lambda probe with the tip downwards so that deposits can fall out of the measuring ports

❒ Check the plastic bushing (2) for dirt and cracks, replace if necessary

➥ IMPORTANT: The seal surface of the plastic bushing must lie flat after assembly

CAUTION:

- Do not clean the Lambda probe with compressed air
- Do not use chemical cleaning agents (brake cleaner, etc.)
- Careful handling of the Lambda probe, no “tapping” or cleaning with a wire brush

8.4 After maintenance

After completion of maintenance work and before switching on the system perform the following steps:

- ❒ Check that all previously loosened screw connections are tightened.
- ❒ Check whether all previously removed safety devices and open doors and covers are closed again properly.
- ❒ Make sure that all tools, materials and other equipment used have been removed from the work area.
- ❒ Clean the work area and remove any substances that may have leaked such as liquids, processing materials or similar.
- ❒ Make sure that all safety devices on the system are functioning properly.

8.5 Parts and accessories

For parts and accessories please contact the Fröling distributor in your area:

USA	Canada
Tarm Biomass 19 Archertown Road PO Box 322 Orford, NH 03777 www.woodboilers.com	**Biothermic** **Western Canada and Northern Ontario** 349 Mooney Ave, Thunder Bay, ON (807) 355-5519 Vince@biothermic.ca **Central Ontario, Quebec and the Maritimes** 483 Mountain St., Haliburton, ON (705) 455-2314 Mike@biothermic.ca www.biothermic.ca

9 Boiler faults

9.1 Safety instructions for troubleshooting

Improperly performed troubleshooting operations

⚠ WARNING

Risk of injury due to incorrect troubleshooting!

- ❒ Before starting work, ensure that there is sufficient space for assembly.
- ❒ Pay attention to order and cleanliness at the assembly site. Loosely overlapping or scattered components and tools are sources of accident.
- ❒ If components have been removed, pay attention to correct assembly, refit all fasteners and observe tightening torques for screws.
- ❒ Do not release the blockage until you have ensured that the release will not lead to a dangerous movement of system components.
- ❒ Do not acknowledge the fault until it is eliminated or its cause is resolved.
- ❒ In case of doubt contact Froling customer service.
- ❒ Before starting up again, please note the following:
  - ➥ Make sure that all troubleshooting operations have been performed and completed according to the instructions in this manual.
  - ➥ Make sure that there is no-one in the danger zone.
  - ➥ Make sure that all covers and safety devices are installed and work properly.
  - ➥ Improperly performed troubleshooting operations can cause serious injuries and considerable property damage.

9.2 Fault messages

Faults that occur are displayed on the basic display of the control system. The fault messages are divided into categories and marked in different colors. The faults are marked with a number and the date and time when they occurred.

If there is a fault that has not yet been eliminated, a warning symbol blinks in the basic display on the quick menu icon.

Calling up fault messages

- ❒ In the basic display, select the *"Quick menu icon"* to open the available quick functions.
- ❒ Select the *"Error display"* menu in the quick menu.
  - ➥ The current fault list is displayed.

Acknowledging a fault message

Tap on the fault message to display additional information in the "Error display" menu.

- ❒ Open the current fault list.
- ❒ Tap on the fault message to acknowledge it.

Once all faults have been eliminated and acknowledged, the warning symbol will disappear from the basic display.

Fault message categories

The term "fault" is a collective term for warnings, errors and alarms. The boiler reacts differently to the three types of message:

Type of fault	Character	Boiler behavior
WARNING	Status LED: Orange	In case of warnings, the boiler initially continues controlled operation, giving the option of resolving the error quickly to prevent a shutdown.
ERROR	Status LED: Red	The boiler follows shutdown procedure and remains in "Boiler off" status until the problem is resolved. An alarm triggers a system emergency stop. The boiler shuts down immediately; the heating circuit controller and pumps remain active.

9.3 Table for troubleshooting

Fault description	Cause	Remedy	Staff
Nothing is shown on the display	General power failure	Check power supply and, if necessary, restart boiler.	Operator
No power to the control system	▪ Main switch is turned off	▪ Turn on the main switch	Operator
	▪ FI-protective circuit breaker, power line protection tripped	▪ Switch the protective circuit breaker on the control cabinet back on.	Operator
High-limit thermostat has activated.	Over-temperature	▪ Allow system to cool. ▪ Check status of the system (note the fault messages). ▪ Reset the high-limit thermostat.	Operator
System does not start.	Insufficient combustion air	Check the air inlet to the boiler room and clean, if necessary.	Operator
	Covers on the boiler not closed	Check the covers and close, if necessary.	Operator
Boiler combustion fault	Insufficient chimney escape due to deposits in the chimney	Have a chimney sweep clean soot, ash and tar oil deposits from the chimney connection and chimney.	Chimney sweep

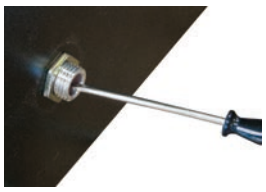
9.4 Operations for troubleshooting

9.4.1 Reset the high-limit thermostat.

Staff:	❒ Operator
Protective equipment:	❒ Protective workwear ❒ Protective gloves ❒ Safety shoes
Special tools:	❒ Screwdriver

The high-limit thermostat switches off the boiler at a temperature of 203-212°F (95-100°C). The pumps continue to run.

Once the temperature falls below approx. 185°F (approx. 85°C), the high-limit thermostat can be reset mechanically.



❒ Unscrew the cap of the high-limit thermostat.
❒ Unlock the high-limit thermostat by pressing with a screwdriver.
❒ Refit the cap of the high-limit thermostat.

9.5 After troubleshooting

Once the fault is eliminated, perform the following steps to start the boiler up again:

❒ Reset the emergency stop devices.
❒ Acknowledge the fault message via the control system.
❒ Make sure that there is no one in the danger zone.
❒ Start according to the instructions in the "Operation” chapter.

10 Dismantling and disposal

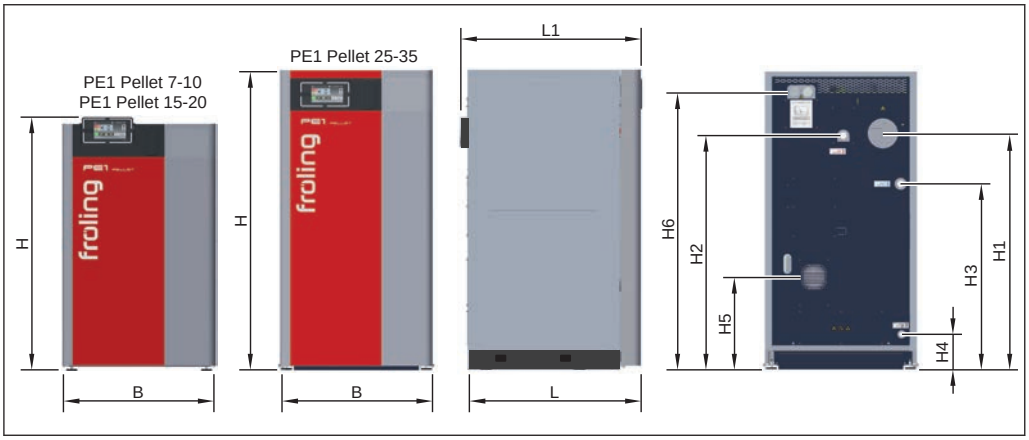
⚠ WARNING

Risk of death from improper dismantling!

- ❒ Dismantling must be carried out exclusively by employees of the manufacturer or staff authorized by the manufacturer.
- ❒ Consult the manufacturer even in case of a subsequent relocation.
- ❒ Refrain from unauthorized dismantling and relocation.
  - ➥ An error during dismantling can lead to life-threatening situations or cause substantial damage to property.

11 Technical information

11.1 PE1 Pellet 20/35 dimensions



Dimension	Description	Unit	PE1 Pellet	
			20	35
L	Length of boiler	inches (mm)	27 (690)	33.5 (850)
L1	Total length incl. flue gas pipe connection		29 (740)	35 (890)
B	Width, boiler		29.5 (750)	29.5 (750)
H	Height, boiler		49 (1246)	58.3 (1480)
H1	Height, flue pipe connection		36.5 (940)	46 (1170)
H2	Height, flow connection		37 (930)	46 (1160)
H3	Height, return connection		29.5 (750)	36 (920)
H4	Height, drainage connection		4 (95)	7 (175)
H5	Height of supply air connection (for room air-independent operation)		15 (390)	18 (460)
H6	Height of suction system connection		44 (1110)	54 (1380)

11.2 Components and connections

No.	Description	Unit	PE1 Pellet	
			20	35
1	Boiler flow connection	inches	1 IT	
2	Boiler return connection		1 IT	
3	Drainage connection		½ IT	
4	Supply air connection (external diameter)	inches (mm)	80	100
5	Flue gas pipe connection		5 (129)	6 (149)
6	Pellet suction line connection		2 (50)	
7	Return-air line connection		2 (50)	

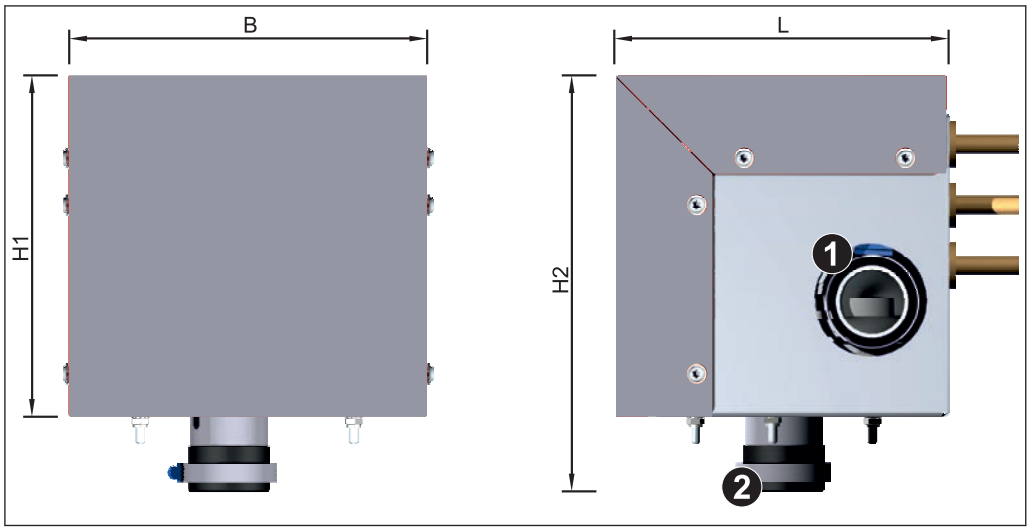
11.3 Technical data

Description		PE1 Pellet	
		20	35
Nominal output	Btu/h (kW)	68.200 (20)	119.500 (35)
Output range		15.300 – 68.200 (4.5 – 20)	24.600 – 119.500 (7.2 – 35)
Electrical connection	230V / 50Hz / fused C16A		
Power consumption	Btu (W)	170 (50)	229 (67)
Boiler weight	lbs (kg)	550 (250)	840 (380)
Total boiler capacity (water)	gal (l)	10 (38)	16 (60)
Pellet container capacity		11 (41)	20 (76)
Ash box capacity		5 (18)	7.4 (28)
Water pressure drop (ΔT = 20K)	inch WC (mbar)	2 (5.0)	5.6 (14.0)
Minimum boiler return temperature	Not applicable due to internal return temperature control		
Maximum boiler temperature setting	°F (°C)	194 (90)	
Minimum boiler temperature setting		104 (40)	122 (50)
Airborne sound level	dB(A)	< 70	
Boiler class as per EN 303-5:2012	5		
Permitted fuel	Fuel as per EN ISO 17225 – Part 2: wood pellets Class A1 / D06		

11.3.1 Emission data

Description	Unit	PE1 Pellet	
		20	35
8-HOUR OUTPUT RATING [$Q_{out-8hr}$]	Btu/hr	n/a	n/a
8-HOUR AVERAGE EFFICIENCY [$03B7_{avg-8hr}$]		n/a	n/a
8-HOUR AVERAGE EFFIENCY [$\eta_{avg-8hr}$] (Using lower heating value)		n/a	n/a
MAXIMUM OUTPUT REATING [Q_{max}]	Btu/hr	68.200	119.500
ANNUAL EFFICIENCY RATING [η_{avg}] (Using higher heating value)		78.4	80.1
ANNUAL EFFICIENCY RATING [η_{avg}] (Using lower heating value)		84.4	86.2
PARTICLE EMISSIONS [E_{avg}]	Grams/hr (Average)	0,425	0,678
	Lbs/mmBtu/ hr Output	0,049	0,053
CO EMISSIONS	Grams/mi- nute	0,073	0,074
N.A = Not applicable because the hydronic heater is an automatic pellet fuelled applicance.			

11.4 External suction module



Dimen-sion	Description	Unit	Dimensions
B	Width of suction module	inches (mm)	11.5 (290)
L	Length of suction module		10.4 (265)
H1	Height of suction module		9 235
H2	Total height incl. hose connection		11.2 (285)
1	Return-air line connection (line to suction point)	inches (mm)	2 (50)
2	Return-air line connection (line to boiler)		2 (50)

12 Warranty conditions

Tarm Biomass Warranty Document

PE1 Pellet Boiler Warranty

LIMITED WARRANTY - FOR USE ONLY IN UNITED STATES

Tarm Biomass ("Importer") warrants the Fröling PE1 pellet boiler against defects in material and workmanship under normal use and service ***TO THE ORIGINAL PURCHASER AT THE ORIGINAL INSTALLATION SITE*** in the United States under the following terms.

WARRANTY IS VOID if the boiler is operated with fuel other than premium wood pellet fuel as defined by the Pellet Fuels Institute.

BOILER BODY -- LIMITED 20 YEAR WARRANTY: Subject to the below limitations, Tarm Biomass warrants the steel boiler body (not including doors, burn chamber, or other components) against defects in materials or workmanship causing breaks or leaks that significantly impair the boiler's performance. During the first five years of the warranty period Tarm Biomass will pay for all required labor at the usual and customary rate paid by Tarm Biomass for similar labor performed in Orford, NH, and provide or pay the cost of all materials for the repair of the warranted unit. In years six through twenty Tarm Biomass will pay the below stated percentage multiplied times the retail price of the warranted unit on the date of purchase to the original purchaser toward of the cost of repair of the warranted item or, if Tarm Biomass and the original purchaser agree, use the resultant sum as a partial allowance toward Tarm Biomass's replacement of the warranted item. The original purchaser shall be responsible for all shipping and installation charges in connection with any replacement or repair.

A year for the purposes of this warranty is defined as either 365 calendar days or 3000 service hours, whichever is less.

Warranty Year (beginning from date of purchase)	Percentage Tarm Biomass will pay
1-5	100%
6	60%
7	50%
8	40%
9	30%
10-20	20%

Example 1: Repair costing $250.00 in year 7, Tarm Biomass will pay $125.00 (50% of this repair).

Example 2: Boiler (original retail $4,000.00) needs major repair in year 9. Tarm Biomass will pay $1,200 (30% of $4,000) toward replacement with similar warranted unit or up to 30% of the repair cost ($1,200 maximum).

OTHER COMPONENTS -- LIMITED THREE YEAR WARRANTY

Subject to the application of the following percentages to parts and/or labor, Tarm Biomass provides the following limited warranty of each of its steel doors, high temperature insulation boards, burn chamber, day hopper, auger mechanism, ash bins, and turbulators against defects in material and workmanship causing breaks or leaks that significantly impair the boiler's performance.

Warranty Year (beginning from date of purchase)	Percentage Tarm Biomass will pay
1	100% of parts and labor
2	100% of parts ONLY
3	50% of parts ONLY

OTHER COMPONENTS – ONE YEAR WARRANTY

Tarm Biomass Warranty Document

Motors, electronics controls, and other electronic components have one year warranty.

TARM BIOMASS' LIMITED EXPRESS WARRANTY IS ONLY EXTENDED TO AND COVERS THE TARM BIOMASS PRODUCT'S END USER WHO OWNS THE BUILDING IN WHICH THE TARM BIOMASS PRODUCT IS INSTALLED, AND COVERS ONLY REPAIRS OR REPLACEMENTS RESULTING FROM DEFECTS IN MATERIALS AND WORKMANSHIP.THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION IN THIS LIMITED WARRANTY, AND TARM BIOMASS' LIMITED WARRANTY IS IN LIEU OF AND TO THE EXCEPTION OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY OR WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE. EXCEPT AS OTHERWISE PROVIDED BY THIS LIMITED WARRANTY, TARM BIOMASS TAKES NO RESPONSIBILITY FOR THE QUALITY OF TARM BIOMASS PRODUCTS OR THAT THE GOODS WILL BE FIT FOR ANY PARTICULAR PURPOSE FOR WHICH YOU MAY BE BUYING THESE GOODS. UNDER NO CIRCUMSTANCES SHALL TARM BIOMASS BE SUBJECT TO INCIDENTAL, CONSEQUENTIAL, INDIRECT, SPECIAL, PUNITIVE, ENHANCED COMPENSATORY, OR CONTINGENT DAMAGES, WHETHER A CLAIM IS BASED ON CONTRACT, TORT, STRICT LIABILITY, OR ANY OTHER THEORY OF LAW, ALL SUCH DAMAGES AND CLAIMS BEING SPECIFICALLY DISCLAIMED.

Tarm Biomass' limited warranty is void if a Tarm Biomass product is installed by someone other than a qualified contractor whose principal occupation is the sale or installation of plumbing and heating equipment, or if the original purchaser fails to have the boiler serviced or inspected at least once every year by an experienced and qualified service person. Repairs or replacements under this limited warranty must be performed by your dealer or someone authorized by him. You may be required to present this limited warranty to the dealer before any work is performed. You must pay for any work performed that is not covered by this limited warranty or that is not authorized by the dealer. Tarm Biomass' limited warranty shall be construed under the laws of New Hampshire. Any dispute arising out of this warranty shall be tried only in a court in the State of New Hampshire, including the United States District Court for the State of New Hampshire. If any legal action is brought in connection with this limited warranty, the prevailing party shall be entitled to recover all reasonable expenses it incurs in the action, including its reasonable attorneys' fees, from the nonprevailing party.

TARM BIOMASS' LIMITED WARRANTY EXPRESSLY EXCLUDES COVERAGE FOR THE FOLLOWING:

1. Ordinary wear and tear and repairs or replacements necessitated by normal use.
2. Repairs or replacements arising from corrosion including, but not limited to, the effects of a corrosive water supply or corrosive by-products of combustion formed when a boiler is run during warm weather temperatures or under other conditions that do not permit the boiler to reach necessary operating temperatures on a frequent basis as described in the Owner's Manual provided by Tarm Biomass.
3. Repairs or replacements of fittings, motors, fuel units, oil and gas burners, any and all controls, relief or regulating valves, transformers, and accessories.
4. Repairs or replacements to repair damage caused by (i) operation with inadequate draft, (ii) having installed a boiler model that is incorrectly sized for the application (too few or too many BTU's under normal operating conditions) or that is otherwise inappropriate for the application, (iii) burning other than super premium or premium wood pellets Certified by the Pellet Fuels Institute, or excessive boiler internal temperature from burning improper materials as fuel or operating the boiler without appropriate draft control (for example, burning the boiler too hot when the boiler is coming up to temperature from a cold start), or (iv) any similar use that violates or is not recommended in the Owner's Manual provided by Tarm Biomass.
5. The repair or replacement of any component furnished by any other manufacturer or damage caused by the functioning or malfunctioning of any such component.

This warranty gives you specific legal rights. You may also have other rights that vary from state to

Tarm Biomass Warranty Document

state. This warranty shall not be construed as inconsistent with any federal, state, or municipal law, regulation, or code that was applicable to the original installation site on the date the Tarm Biomass product was installed.

Questions regarding this warranty may be referred to:
Tarm Biomass, 322 Archertown Rd., P.O. Box 322, Orford, NH 03777 U.S.A. (603) 795-9100

KEEP THIS INFORMATION FOR YOUR RECORDS:

Model: _____ Place of Purchase: _____

Serial No.: _____ Installation Date:_____

Installer:_____

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13 Appendix

13.1 Adresses

13.1.1 Address of manufacturer

FROLING
Heizkessel- und Behälterbau GesmbH

Industriestraße 12
A-4710 Grieskirchen
AUSTRIA

TEL 0043 (0)7248 606 0
FAX 0043 (0) 7248 606 600
INTERNET www.froeling com

13.1.2 Address of importer

STAMP

13.1.3 Address of Local Dealer

STAMP

Verification

Transaction 09222115557487030913

Document

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