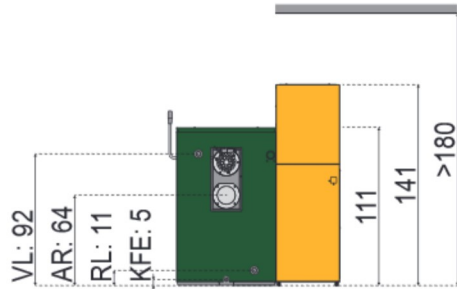


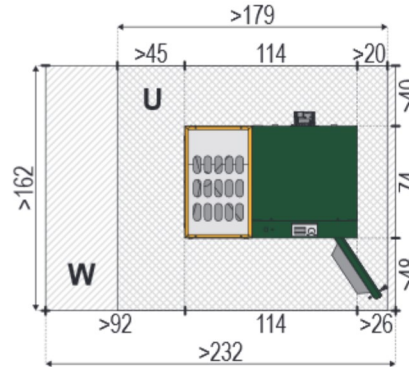
# Installation and connecting dimensions

## KWB Easyfire 1 and KWB Easyfire 1 Plus

### KWB Easyfire 1

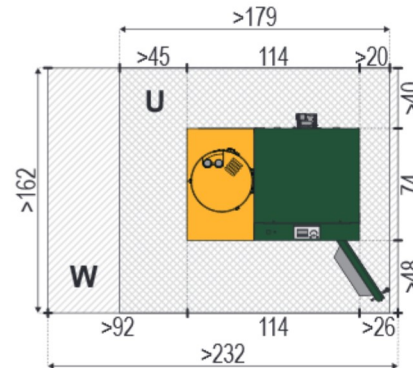
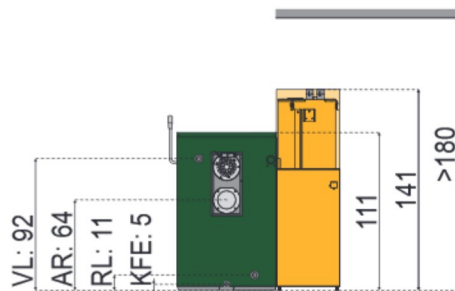


**Conveyor and storage systems for pellets** P. 48–81



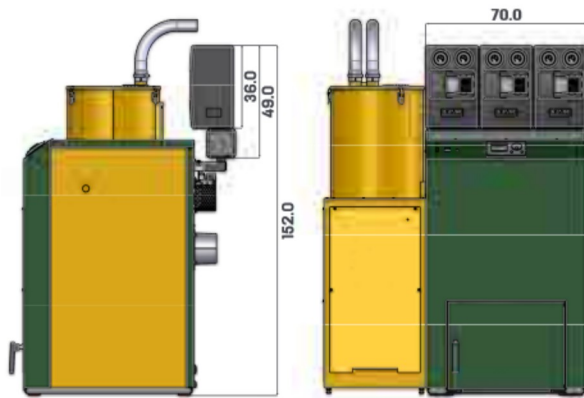
Guiding values: Heating room from 2.9m<sup>2</sup>, storage room 0m<sup>3</sup>

### KWB Easyfire 1 Plus



Guiding values: Heating room from 2.9m<sup>2</sup>, fuel consumption and storage room size on p. 47

### Dimensions for the KWB Easyfire 1 hydraulics package



### Legend

AR	Exhaust pipe $\varnothing$ 130 mm
KFE	Filling and emptying 1/2"
RL	Connection return flow 1"
U	Minimum space requirements
VL	Connection forward flow 1"
W	Recommended space requirements incl. sufficient room to perform maintenance

\* Recommended room height: 200 cm In the event of a room with a low ceiling (1.80 m), we provide 90° bends for the suction connections. The respective specifications must be provided when submitting the order. Scale 1:50 | All dimensions in cm | Width x Height | Distances stated are minimum distances!

### Dimensions for moving the boiler into the respective space

KWB Easyfire 1	Conditioned as delivered	Without casing, dismantled
Unobstructed entry opening	80/145	75/75



Classicfire  
Combifire

Easyfire 1  
Easyfire 1 Plus

Easyfire

Pelletfire<sup>Plus</sup>

Multifire

Powerfire

Control  
C3 & C4

Conveyor and  
storage  
systems

Storage and  
hydraulic  
systems

# Technical specifications

## KWB Easyfire 1 and KWB Easyfire 1 Plus

USP V/GS	Unit	10	15 ***	20
Rated power	kW	10,4	15,0	20,0
Partial load	kW	3,1	4,5	5,6
Boiler efficiency at rated power	%	91,0	91,7	92,5
Boiler efficiency at partial load	%	90,7	90,4	90,1
Fuel thermal output at rated load	kW	11,4	16,5	21,1
Fuel thermal output at partial load	kW	3,4	4,9	6,2
Boiler class according to EN 303-5:2012	-	5	5	5
<b>Water side</b>				
Water content	l	66	66	66
Water connection, forward/return flow (internal thread)	inch	1	1	1
	mm	25,4	25,4	25,4
	DN	25	25	25
Water connection for filling and/or emptying (internal thread)	inch	1/2	1/2	1/2
	mm	12,7	12,7	12,7
Thermal safety valve: no	-	x	x	x
Water-side resistance at 10 K	mbar	4,2	10,0	15,8
	Pa	420	1000	1580
Water-side resistance at 20 K	mbar	1,0	2,6	4,2
	Pa	100	260	420
Boiler-entry temperature (for installation of an external return-flow boost device)	°C	50	50	50
Working temperature/operating temperature	°C	60–80	60–80	60–80
Maximum permitted temperature	°C	90	90	90
Maximum operating pressure	bar	3,5	3,5	3,5
Volume flow at spread 10 K	m³/h	0,88	1,31	1,75
Volume flow at spread 15 K	m³/h	0,58	0,88	1,17
Volume flow at spread 20 K	m³/h	0,44	0,66	0,88
<b>Exhaust-gas side (for chimney calculation)</b>				
Combustion chamber temperature	°C	900–1100	900–1100	900–1100
Required draft at rated power/partial load	mbar	0,07	0,07	0,07
		0,05	0,05	0,05
Suction available	-	✓	✓	✓
Exhaust-gas temperature at rated power	°C	140	160	160
Exhaust-gas temp. Partial load	°C	90	100	100
Exhaust-gas mass flow at rated power	kg/s	0,006	0,009	0,012
Exhaust-gas mass flow at partial load	kg/s	0,003	0,004	0,004
Exhaust-gas volume at rated power	Nm³/h	17,0	25,5	34,0
Exhaust-gas volume at partial load	Nm³/h	8,7	10,4	12,0
Exhaust-gas connection height boiler side	mm	635	635	635
Exhaust-gas pipe diameter	mm	130	130	130
Incline of the smoke-pipe	°	≥ 3	≥ 3	≥ 3
Chimney diameter (approx. values)	mm	140	140	140
Chimney design: Moisture-resistant	-	✓	✓	✓
<b>Fuel: Pellets of pure wood in accordance with ISO 17225-2</b>				
Calorific value	MJ/kg	16,5	16,5	16,5
Density	kg/m³	≥ 600	≥ 600	≥ 600
Water content	% by weight	≤ 10	≤ 10	≤ 10
Ash content	% by weight	≤ 0,7	≤ 0,7	≤ 0,7
Length	mm	3,15–40	3,15–40	3,15–40
Diameter	mm	6±1	6±1	6±1
Dust proportion before loading	% by weight	≤ 1	≤ 1	≤ 1
Raw material: Pure wood, bark proportion <15 %	-	-	-	-
<b>Ash</b>				
Ash container volume	l	25	25	25
Ash container filled	kg	~ 25	~ 25	~ 25
<b>Electrical system</b>				
Connection: CEE 3-pole	-	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A
Connected power USP V	W	545	545	545
Connected power USP GS	W	2347	2347	2347

USP V/GS	Unit	10	15 ***	20
<b>Storage container type USP GS</b>				
Contents storage container for type USP V	l	200	200	200
<b>Suction conveyor type USP GS</b>				
Max. suction length	m	10	10	10
Max. suction head	m	3,5	3,5	3,5
Contents storage container for type USP GS	l	33	33	33
<b>Weights</b>				
Boiler weight USP V	kg	323	323	323
Boiler weight USP GS	kg	349	349	349
<b>Emissions according to test report</b>				
Test report no.	-	BLT-006/06	***	BLT-013/08
O <sub>2</sub> content rated power	Vol.-%	11,2	8,9	6,7
O <sub>2</sub> content partial load	Vol.-%	13,4	12,5	11,5
CO <sub>2</sub> content rated power	Vol.-%	9,4	11,6	13,8
CO <sub>2</sub> content partial load	Vol.-%	7,3	8,2	9,1
<b>Noise emissions</b>				
Normal operating noise at rated power	dB(A)	< 70	< 70	< 70
<b>Reference 10 % O<sub>2</sub> dry (EN 303-5)</b>				
CO at rated power	mg/Nm <sup>3</sup>	50,0	41,5	33,0
CO at partial load	mg/Nm <sup>3</sup>	201,0	141,5	82,0
NOx at rated power	mg/Nm <sup>3</sup>	166,0	152,5	139,0
NOx at partial load	mg/Nm <sup>3</sup>	166,0	143,0	120,0
OGC at rated power	mg/Nm <sup>3</sup>	1,0	1,0	1,0
OGC at partial load	mg/Nm <sup>3</sup>	4,0	2,5	< 1
Dust at rated power	mg/Nm <sup>3</sup>	21,0	23,5	26,0
Dust at partial load	mg/Nm <sup>3</sup>	20,0	21,5	23,0
<b>Reference 11 % O<sub>2</sub> dry</b>				
CO at rated power	mg/Nm <sup>3</sup>	36,0	30,0	24,0
CO at partial load	mg/Nm <sup>3</sup>	146,0	103,0	60,0
NOx at rated power	mg/Nm <sup>3</sup>	121,0	111,0	101,0
NOx at partial load	mg/Nm <sup>3</sup>	121,0	104,0	87,0
OGC at rated power	mg/Nm <sup>3</sup>	1,0	1,0	1,0
OGC at partial load	mg/Nm <sup>3</sup>	3,0	2,0	1,0
Dust at rated power	mg/Nm <sup>3</sup>	15,0	17,0	19,0
Dust at partial load	mg/Nm <sup>3</sup>	15,0	16,0	17,0
<b>Reference 13 % O<sub>2</sub> dry (FJ-BLT)</b>				
CO at rated power	mg/Nm <sup>3</sup>	36,0	30,0	24,0
CO at partial load	mg/Nm <sup>3</sup>	146,0	105,0	60,0
NOx at rated power	mg/Nm <sup>3</sup>	121,0	111,0	101,0
NOx at partial load	mg/Nm <sup>3</sup>	121,0	104,0	87,0
OGC at rated power	mg/Nm <sup>3</sup>	< 1	< 1	< 1
OGC at partial load	mg/Nm <sup>3</sup>	3,0	1,0	< 1
Dust at rated power	mg/Nm <sup>3</sup>	15,0	15,0	19,0
Dust at partial load	mg/Nm <sup>3</sup>	15,0	15,0	17,0
<b>In accordance with § 15a-BVG Austria</b>				
CO at rated power	mg/MJ	24,0	20,0	16,0
CO at partial load	mg/MJ	97,0	68,0	39,0
NOx at rated power	mg/MJ	80,0	73,0	66,0
NOx at partial load	mg/MJ	80,0	69,0	58,0
OGC at rated power	mg/MJ	< 1	< 2	< 1
OGC at partial load	mg/MJ	2,0	1,5	< 1
Dust at rated power	mg/MJ	10,0	11,0	12,0
Dust at partial load	mg/MJ	10,0	10,5	11,0

**13.05.2016**

\*\*\* ... Drawing inspection, values for intermediate sizes interpolated

FJ-BLT ... Francisco Josephinum Wieselburg – Biomass Logistic Technology

 mg/Nm<sup>3</sup> ... Milligram per standard cubic meter (1 Nm<sup>3</sup> under 1.013 hectopascal at 0 °C)

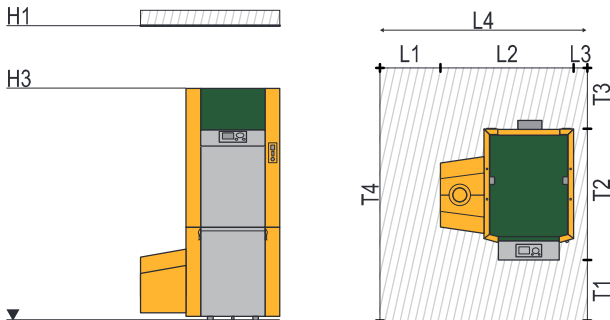
 Information regarding the hydraulics requirements can be found at [www.kwb.en](http://www.kwb.en).

# Installation dimensions

## KWB Easyfire 2

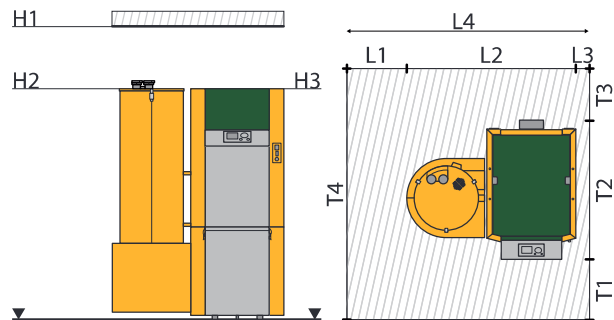
**Conveyor and storage systems for pellets** P. 48–81

### Type EF2 S



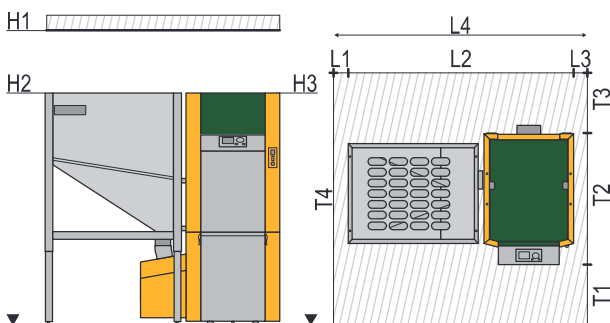
Guiding values:  
Heating room size from 2.3m<sup>2</sup>  
Fuel consumption and storage room size on p. 47

### Type EF2 GS



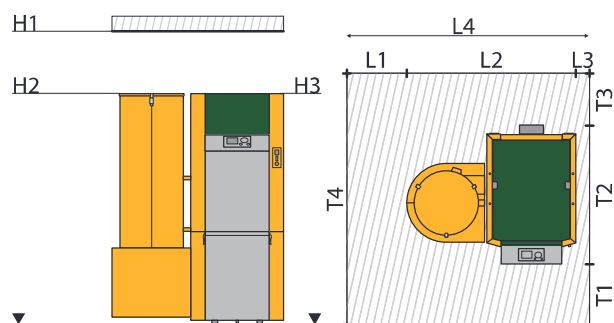
Guiding values:  
Heating room size from 2.6m<sup>2</sup>  
Fuel consumption and storage room size on p. 47

### Type EF2 S+300



Guiding values:  
Heating room size from 2.8m<sup>2</sup>  
No additional storage room required!

### Type EF2 V



Guiding values:  
Heating room size from 2.6m<sup>2</sup>  
No additional storage room required!

Position in drawing	EF2 8–12 kW				EF2 15–22 kW				EF2 25–35 kW			
	S	GS	V	S+300	S	GS	V	S+300	S	GS	V	S+300
H1	165	165	165	165	195	195	195	195	230	230	230	230
H2	–	126	146	146	–	146	146	146	–	164	146	146
H3	126	126	146	126	146	146	146	146	164	164	146	164
L1	40	40	40	10	40	40	40	10	40	40	40	10
L2	88	106	106	148	88	106	106	148	88	106	106	148
L3	10	10	10	10	10	10	10	10	10	10	10	10
L4	>138	>156	>156	>168	>138	>156	>156	>168	>138	>156	>156	>168
T1	40	40	40	40	40	40	40	40	40	40	40	40
T2	93	93	93	93	93	93	93	93	93	93	93	93
T3	40	40	40	40	40	40	40	40	40	40	40	40
T4	>167	>167	>167	>167	>167	>167	>167	>167	>167	>167	>167	>167

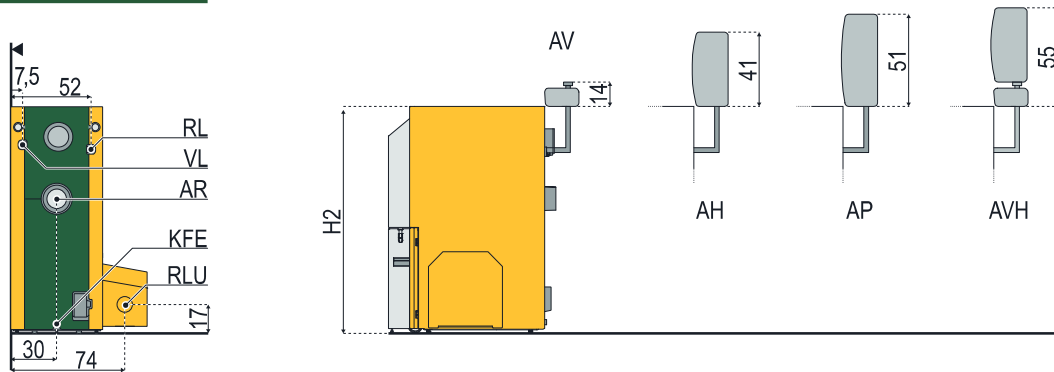
S KWB Easyfire type EF2 S: screw conveyor system  
GS KWB Easyfire type EF2 GS: suction conveyor system

V KWB Easyfire type EF2 V: storage container 107 litres  
S+300 KWB Easyfire type EF2 S with storage container 300 litres

An unobstructed door width of 70 × 180 cm is sufficient for all boiler types to be able to transport KWB Easyfire components into the respective room.

# Connecting dimensions

## KWB Easyfire 2



Legend connecting dimensions EF2		8 – 12 kW	15 – 22 kW	25 – 35 kW
FF	Forward flow	Internal thread 1" Height = 101 cm	Internal thread 1" Height = 121 cm	Internal thread 5/4" Height = 137 cm
RL	Return flow	∅ 25, G 1" Height = 100 cm	∅ 25, G 1" Height = 118 cm	∅ 32, G 5/4" Height = 126 cm
AR	Exhaust gas pipe	∅ 13 cm Height = 75 cm	∅ 13 cm Height = 86 cm	∅ 15 cm Height = 105 cm
KFE	Connection for boiler filling and emptying	Internal thread 1/2" Height = 6 cm		
RLU	Connection for ambient air-independent operation (optional)			
H2	Height upper edge of boiler = Height upper edge of connector set	126 cm	146 cm	164 cm
AV	Connector set with distributor			
AH	Connector set with heating circuit group			
AP	Connector set with buffer charging group			
AVH	Connector set with distributor and heating circuit group			

### Dimensions for moving the boiler into the respective space

<b>KWB Easyfire EF2</b>	<b>Without casing, dismantled</b>
<b>Unobstructed entry opening</b>	70x80



All dimensions in cm | Width x Height | Distances stated are minimum!

Classicfire  
Combifire

Easyfire 1  
Easyfire 1 Plus

Easyfire

Pelletfire<sup>Plus</sup>

Multifire

Powerfire

Control  
C3 & C4

Conveyor and  
storage  
systems

Storage and  
hydraulic  
systems

# Technical specifications

## KWB Easyfire 2

Classicfire Combifire
Easyfire 1 Easyfire 1 Plus
Easyfire
Pelletfire Plus
Multifire
Powerfire
Control C3 & C4
Conveyor and storage systems
Storage and hydraulic systems

EF2 S / EF2 GS / EF2 V	Unit	8	12	15	22	25	30	35
Rated power	kW	8,0	12,0	15,0	22,0	25,0	30,0	34,9
Partial load	kW	2,4	3,5	4,4	6,4	7,3	8,7	10,1
Boiler efficiency at rated power	%	92,4	94,0	94,3	95,0	95,2	95,4	95,7
Boiler efficiency at partial load	%	91,4	89,4	90,0	91,5	92,4	93,8	95,3
Fuel thermal output at rated load	kW	9,1	12,8	15,9	23,2	26,3	31,4	36,5
Fuel thermal output at partial load	kW	2,6	4,0	5,0	7,2	8,1	9,6	11
Boiler class according to EN 303-5:2012	-	5	5	5	5	5	5	5
EU Energy Label		A+	A+	A+	A+	A+	A+	A+
<b>Water side</b>								
Water content	l	40	40	52	52	78	78	78
Water connection, forward/return flow (internal thread)	inch	1	1	1	1	5/4	5/4	5/4
	mm	25,4	25,4	25,4	25,4	31,8	31,8	31,8
Water connection for filling and/or emptying (internal thread)	DN	25	25	25	25	32	32	32
	inch	1/2	1/2	1/2	1/2	1/2	1/2	1/2
Thermal safety valve: no	mm	12,7	12,7	12,7	12,7	12,7	12,7	12,7
	-	x	x	x	x	x	x	x
Water-side resistance at 10 K	mbar	5,7	12	34	55,9	39,1	52,1	66,2
	Pa	570	1200	3400	5590	3910	5210	6620
Water-side resistance at 20 K	mbar	1,7	3,5	9,5	15,4	10,8	14,1	18,1
	Pa	170	350	945	1540	1080	1410	1810
Boiler-entry temperature (for installation of the KWB-supplied two-way valve with servomotor)	°C	10-70	10-70	10-70	10-70	10-70	10-70	10-70
Boiler-entry temperature (for installation of an external return-flow boost device)	°C	40-70	40-70	40-70	40-70	40-70	40-70	40-70
Working temperature/operating temperature	°C	80	80	80	80	80	80	80
Maximum permitted temperature	°C	95	95	95	95	95	95	95
Maximum operating pressure	bar	3,5	3,5	3,5	3,5	3,5	3,5	3,5
Volume flow at spread 10 K	m³/h	0,69	1,03	1,29	1,89	2,15	2,58	3,01
Volume flow at spread 15 K	m³/h	0,46	0,69	0,86	1,26	1,43	1,72	2,00
Volume flow at spread 20 K	m³/h	0,34	0,52	0,64	0,95	1,07	1,29	1,50
Minimum usable buffer tank volume	l	240	360	450	660	750	900	1050
<b>Exhaust-gas side (for chimney calculation)</b>								
Combustion chamber temperature	°C	900-1100	900-1100	900-1100	900-1100	900-1100	900-1100	900-1100
Combustion chamber pressure	mbar	-0,20	-0,20	-0,20	-0,20	-0,20	-0,20	-0,20
Required draft at rated power/partial load	mbar	0,05	0,05	0,05	0,05	0,05	0,05	0,05
		0,03	0,03	0,03	0,03	0,03	0,03	0,03
Suction available	-	✓	✓	✓	✓	✓	✓	✓
Exhaust-gas temperature at rated power	°C	120	120	120	120	120	120	120
Exhaust-gas temp. Partial load	°C	90	90	90	90	90	90	90
Exhaust-gas mass flow at rated power	kg/s	0,006	0,009	0,011	0,016	0,018	0,022	0,026
Exhaust-gas mass flow at partial load	kg/s	0,002	0,003	0,004	0,005	0,006	0,007	0,008
Exhaust-gas volume at rated power	Nm³/h	16,5	24,9	31,1	45,2	51,3	61,4	71,2
Exhaust-gas volume at partial load	Nm³/h	5,3	7,9	9,8	14,1	15,9	18,7	21,5
Exhaust-gas connection height boiler side	mm	750	750	860	860	1050	1050	1050
Exhaust-gas pipe diameter	mm	130	130	130	130	150	150	150
Incline of the smoke-pipe	°	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3	≥ 3
Chimney diameter (approx. values)	mm	140	140	140	140	160	160	160
Chimney design: Moisture-resistant	-	✓	✓	✓	✓	✓	✓	✓
<b>Fuel: Pellets of pure wood in accordance with ISO 17225-2</b>								
Calorific value	MJ/kg	16,5	16,5	16,5	16,5	16,5	16,5	16,5
Density	kg/m³	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600	≥ 600
Water content	% by weight	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10	≤ 10
Ash content	% by weight	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,7	≤ 0,7
Length	mm	3,15-40	3,15-40	3,15-40	3,15-40	3,15-40	3,15-40	3,15-40
Diameter	mm	6±1	6±1	6±1	6±1	6±1	6±1	6±1
Dust proportion before loading	% by weight	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1	≤ 1
Raw material: Pure wood, bark proportion <15 %	-	-	-	-	-	-	-	-
<b>Ash</b>								
Ash container volume	l	28	28	28	28	28	28	28
Ash container filled	kg	27	27	27	27	27	27	27
Ash removal system	-	✓	✓	✓	✓	✓	✓	✓
<b>Electrical system</b>								
Connection: CEE 3-pole	-	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A	230 V <sub>AC</sub> 50 Hz, 13 A
Connected power EF2 V	W	559	559	559	559	577	577	577
Connected power EF2 S	W	609	609	609	609	627	627	627
Connected power EF2 GS	W	2189	2189	2189	2189	2207	2207	2207
Connected power EF2 GS with sample probes	W	2444	2444	2444	2444	2462	2462	2462
<b>Storage container</b>								
Contents storage container for type EF2 V	l	107	107	107	107	107	107	107
Contents storage container for type EF2 S + 300	l	300	300	300	300	300	300	300
<b>Suction conveyor type EF2 GS</b>								
Max. suction length	m	25	25	25	25	25	25	25
Max. suction head	m	5	5	5	5	5	5	5
Contents storage container for type EF2 GS	l	42	42	67	67	90	90	90

EF2 S / EF2 GS / EF2 V	Unit	8	12	15	22	25	30	35
<b>Weights</b>								
Boiler weight EF2 V	kg	341	341	370	370	416	416	416
Boiler weight EF2 S	kg	326	326	352	352	394	394	394
Boiler weight EF2 GS	kg	349	349	378	378	424	424	424
<b>Emissions according to test report</b>								
Test report no.	-	BLT-014/12	BLT-019/10	***	BLT-020/10	***	***	BLT-021/10
O <sub>2</sub> content rated power	Vol.-%	7,7	9,2	8,6	7,3	7,0	6,6	6,1
O <sub>2</sub> content partial load	Vol.-%	12,4	9,7	9,9	10,3	10,4	10,7	10,9
CO <sub>2</sub> content rated power	Vol.-%	11,2	11,4	11,9	13,2	13,4	13,9	14,4
CO <sub>2</sub> content partial load	Vol.-%	8,8	10,9	10,7	10,3	10,2	9,9	9,7
<b>Noise emissions</b>								
Normal operating noise at rated power	dB(A)	< 70	< 70	< 70	< 70	< 70	< 70	< 70
<b>Reference 10 % O<sub>2</sub> dry (EN 303-5)</b>								
CO at rated power	mg/Nm <sup>3</sup>	30,0	33,0	27,6	15,0	13,8	11,9	10,0
CO at partial load	mg/Nm <sup>3</sup>	102,0	20,0	21,5	25,0	25,7	26,8	28,0
NOx at rated power	mg/Nm <sup>3</sup>	124,0	135,0	137,7	144,0	147,5	153,2	159,0
NOx at partial load	mg/Nm <sup>3</sup>	95,0	131,0	131,0	131,0	133,3	137,2	141,0
OGC at rated power	mg/Nm <sup>3</sup>	< 1	< 1	< 1	< 1	< 1	< 1	< 1
OGC at partial load	mg/Nm <sup>3</sup>	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dust at rated power	mg/Nm <sup>3</sup>	19,0	21,0	16,8	7,0	8,4	10,7	13,0
Dust at partial load	mg/Nm <sup>3</sup>	13,0	9,0	11,7	18,0	15,9	12,5	9,0
<b>Reference 11 % O<sub>2</sub> dry</b>								
CO at rated power	mg/Nm <sup>3</sup>	27,3	30,0	25,1	13,6	12,6	10,8	9,1
CO at partial load	mg/Nm <sup>3</sup>	92,7	18,2	19,5	22,7	23,4	24,4	25,5
NOx at rated power	mg/Nm <sup>3</sup>	112,7	122,7	125,2	130,9	134,1	139,3	144,5
NOx at partial load	mg/Nm <sup>3</sup>	86,4	119,1	119,1	119,1	121,2	124,7	128,2
OGC at rated power	mg/Nm <sup>3</sup>	< 1	< 1	< 1	< 1	< 1	< 1	< 1
OGC at partial load	mg/Nm <sup>3</sup>	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dust at rated power	mg/Nm <sup>3</sup>	17,3	19,1	15,3	6,4	7,6	9,7	11,8
Dust at partial load	mg/Nm <sup>3</sup>	11,8	8,2	10,6	16,4	14,5	11,3	8,2
<b>Reference 13 % O<sub>2</sub> dry (FJ-BLT)</b>								
CO at rated power	mg/Nm <sup>3</sup>	22,0	24,0	20,1	11,0	10,1	8,5	7,0
CO at partial load	mg/Nm <sup>3</sup>	74,0	15,0	15,9	18,0	18,5	19,2	20,0
NOx at rated power	mg/Nm <sup>3</sup>	90,0	98,0	100,1	105,0	107,3	111,2	115,0
NOx at partial load	mg/Nm <sup>3</sup>	69,0	96,0	95,7	95,0	96,8	99,9	103,0
OGC at rated power	mg/Nm <sup>3</sup>	< 1	< 1	< 1	< 1	< 1	< 1	< 1
OGC at partial load	mg/Nm <sup>3</sup>	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dust at rated power	mg/Nm <sup>3</sup>	14,0	15,0	12,0	5,0	6,2	8,1	10,0
Dust at partial load	mg/Nm <sup>3</sup>	10,0	7,0	8,8	13,0	11,4	8,7	6,0
<b>In accordance with § 15a-BVG Austria</b>								
CO at rated power	mg/MJ	14,0	15,0	12,6	7,0	6,3	5,2	4,0
CO at partial load	mg/MJ	48,0	9,0	9,9	12,0	12,2	12,6	13,0
NOx at rated power	mg/MJ	58,0	63,0	64,2	67,0	68,4	70,7	73,0
NOx at partial load	mg/MJ	44,0	61,0	61,0	61,0	61,9	63,5	65,0
OGC at rated power	mg/MJ	< 1	< 1	< 1	< 1	< 1	< 1	< 1
OGC at partial load	mg/MJ	< 1	< 1	< 1	< 1	< 1	< 1	< 1
Dust at rated power	mg/MJ	9,0	10,0	7,9	3,0	3,7	4,8	6,0
Dust at partial load	mg/MJ	6,0	4,0	5,2	8,0	7,1	5,5	4,0

\*\*\* ... Drawing inspection, values for intermediate sizes interpolated  
 FJ-BLT ... Francisco Josephinum Wieselburg – Biomass Logistic Technology  
 mg/Nm<sup>3</sup> ... Milligram per standard cubic meter (1 Nm<sup>3</sup> under 1.013 hectopascal at 0 °C)

Information regarding the hydraulics requirements can be found at [www.kwb.en](http://www.kwb.en).

Classicfire  
Combifire

Easyfire 1  
Easyfire 1 Plus

Easyfire

Pelletfire<sup>Plus</sup>

Multifire

Powerfire

Control  
C3 & C4

Conveyor and  
storage  
systems

Storage and  
hydraulic  
systems