



# KWB Classicfire / KWB Combifire

Product specification sheet in accordance with EU Regulation 2015/1187 and 2015/1189

The required buffer volume for the boiler must be determined based on KWB planning documentation.  
All boilers already have integrated temperature controls, so every product is an "integrated system".

CF1.5 / CF2	UNIT	CF1.5 18 KW	CF1.5 28 KW	CF1.5 32 KW	CF1.5 38 KW	CF2 18 KW	CF2 28 KW	CF2 32 KW	CF2 38 KW
Stoking mode (manual/automatic)		manual							
Share of partial load in relation to nominal load (30%/50%)	%	50							
Temperature control integrated in the boiler (yes/no)		yes							
Temperature control class		VI							
Contribution of the temperature control to the energy efficiency index of the package	%	4							
Factor II (Weighting primary solid fuel boiler and additional heating device)		0							
Value for III (294/(11*Pr))		1.46	0.93	0.84	0.70	1.46	0.93	0.84	0.70
Value for IV (115/(11*Pr))		0.57	0.37	0.33	0.28	0.57	0.37	0.33	0.28
Condensing boiler (yes/no)		no							
Combination boiler for hot water and heating (yes/no)		no							
Solid Fuel cogeneration boiler		no							
<b>Preferred fuel</b>		Log wood							
Rated power	kW	18.3	28.6	31.9	38	18.3	28.6	31.9	38
Partial load	kW	14.3	14.3	14.2	14.2	14.3	14.3	14.2	14.2
Boiler efficiency at rated power (NCV* / GCV**)	%	93,4 / 83,1	92,4 / 81,7	92,4 / 83,6	91,8 / 83,7	93,4 / 83,1	92,4 / 81,7	92,4 / 83,6	91,8 / 83,7
Boiler efficiency at partial load (NCV* / GCV**)	%	93,0 / 82,3	93,0 / 82,3	93,0 / 83,7	93,0 / 83,7	93,0 / 82,3	93,0 / 82,3	93,0 / 83,7	93,0 / 83,7
Electrical power consumption at maximum output	kW	0.0660	0.0910	0.0710	0.0800	0.0660	0.0910	0.0710	0.0800
Electrical power consumption at partial output	kW	0.0550	0.0550	0.0550	0.0550	0.0550	0.0550	0.0550	0.0550
Electrical power consumption at standby	kW	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090	0.0090
EU energy label		A+	A+	A+	A+	A+	A+	A+	A+
Energy efficiency index – boiler		116.0	116.0	116.0	116.0	116.0	116.0	116.0	116.0
EU energy label – integration with heating circuit control		A+	A+	A+	A+	A+	A+	A+	A+
Energy efficiency index – integration with heating circuit control		120.0	120.0	120.0	120.0	120.0	120.0	120.0	120.0
Seasonal space heating energy efficiency in active mode	%	78.0	78.0	79.0	78.0	78.0	78.0	79.0	78.0
Seasonal space heating emissions – PM	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<60	<60	<60	<60	<60	<60	<60	<60
Seasonal space heating emissions – OGC	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<30	<30	<30	<30	<30	<30	<30	<30
Seasonal space heating emissions – CO	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<700	<700	<700	<700	<700	<700	<700	<700
Seasonal space heating emissions – NOx	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<200	<200	<200	<200	<200	<200	<200	<200
<b>Other suitable fuel</b>		Wood pellets							
Rated power	kW	22	30	30	35	22	30	30	35
Partial load	kW	6.6	9.0	9.6	10.5	6.6	9.0	9.6	10.5
Boiler efficiency at rated power (NCV* / GCV**)	%	93,0 / 85,5	92,0 / 83,1	92,0 / 82,8	91,4 / 84,1	93,0 / 85,5	92,0 / 83,1	92,0 / 82,8	91,4 / 84,1
Boiler efficiency at partial load (NCV* / GCV**)	%	90,9 / 83,9	91,0 / 82,2	91,0 / 82,3	91,0 / 84,1	90,9 / 83,9	91,0 / 82,2	91,0 / 82,3	91,0 / 84,1
Electrical power consumption at maximum output	kW	0.0810	0.1011	0.0990	0.1100	0.0810	0.1011	0.0990	0.1100
Electrical power consumption at partial output	kW	0.0500	0.0535	0.0530	0.0550	0.0500	0.0535	0.0530	0.0550
Electrical power consumption at standby	kW	0.0100	0.0100	0.0095	0.0100	0.0100	0.0100	0.0095	0.0100
EU energy label		A+	A+	A+	A+	A+	A+	A+	A+
Energy efficiency index – boiler		116.0	115.0	116.0	116.0	116.0	115.0	116.0	116.0
EU energy label – integration with heating circuit control		A+	A+	A+	A+	A+	A+	A+	A+
Energy efficiency index – integration with heating circuit control		120.0	119.0	120.0	120.0	120.0	119.0	120.0	120.0
Seasonal space heating energy efficiency in active mode	%	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
Seasonal space heating emissions – PM	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<40	<40	<40	<40	<40	<40	<40	<40
Seasonal space heating emissions – OGC	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<20	<20	<20	<20	<20	<20	<20	<20
Seasonal space heating emissions – CO	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<500	<500	<500	<500	<500	<500	<500	<500
Seasonal space heating emissions – NOx	mg/m <sup>3</sup> (10% O <sub>2</sub> )	<200	<200	<200	<200	<200	<200	<200	<200

#### Intellectual Property

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