



KWB Classicfire 1

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 a “package”.

CF1	UNIT	15	20
Stoking mode		manual	
Share of partial load in relation to nominal load (30%/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))		1,78	1,34
Value for IV (115/(11*Pr))		0,70	0,52
Condensing boiler		No	
Combination boiler for hot water and heating		No	
Solid Fuel cogeneration boiler		No	
Preferred fuel		Log Wood	
Energy efficiency class		A+	A+
Rated power	kW	15	20
Partial load	kW	-	-
Energy efficiency index - boiler		119	118
Seasonal space heating energy efficiency in active mode	%	81	81
Energy efficiency class - integration with heating circuit control		A+	A+
Energy efficiency index - integration with heating circuit control		123	122
Boiler efficiency at rated power (NCV* / GCV**)	%	92,6 / 85,1	92,2 / 84,2
Boiler efficiency at partial load (NCV* / GCV**)	%	-	-
Auxiliary power consumption at nominal heat output	kW	0,046	0,047
Auxiliary power consumption at partial load	kW	-	-
Auxiliary power consumption at standby	kW	0,0083	0,0080
Seasonal space heating emissions*** - PM	mg/m ³ (10% O ₂)	18	13
Seasonal space heating emissions*** - OGC	mg/m ³ (10% O ₂)	3	6
Seasonal space heating emissions*** - CO	mg/m ³ (10% O ₂)	57	87
Seasonal space heating emissions*** - Nox	mg/m ³ (10% O ₂)	114	133

Precautions: Assembly and installation have to be carried out only by qualified personnel. The instructions are to be followed.

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CF1 E	UNIT	15	20
Stoking mode		manual	
Share of partial load in relation to nominal load (30%/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))		1,78	1,34
Value for IV (115/(11*Pr))		0,70	0,52
Condensing boiler		No	
Combination boiler for hot water and heating		No	
Solid Fuel cogeneration boiler		No	
Preferred fuel		Log Wood	
Energy efficiency class		A+	A+
Rated power	kW	15	20
Partial load	kW	-	-
Energy efficiency index - boiler		119	122
Seasonal space heating energy efficiency in active mode	%	81	83
Energy efficiency class - integration with heating circuit control		A+	A++
Energy efficiency index - integration with heating circuit control		123	126
Boiler efficiency at rated power (NCV* / GCV**)	%	95,0 / 84,5	95,2 / 86,6
Boiler efficiency at partial load (NCV* / GCV**)	%	-	-
Auxiliary power consumption at nominal heat output with dust filter	kW	0,061	0,071
Auxiliary power consumption at partial load with dust filter	kW	-	-
Auxiliary power consumption at standby with dust filter	kW	0,0075	0,0075
Seasonal space heating emissions*** - PM	mg/m ³ (10% O ₂)	1	1
Seasonal space heating emissions*** - OGC	mg/m ³ (10% O ₂)	3	1
Seasonal space heating emissions*** - CO	mg/m ³ (10% O ₂)	78	27
Seasonal space heating emissions*** - Nox	mg/m ³ (10% O ₂)	118	123

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KWB Classicfire / KWB Combifire

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CF1.5 / CF2	UNIT	18	28	32	38
Stoking mode		manual			
Share of partial load in relation to nominal load (30%/50%)	%	-	50	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))		1,48	0,95	0,84	0,70
Value for IV (115/(11*Pr))		0,58	0,37	0,33	0,28
Condensing boiler		No			
Combination boiler for hot water and heating		No			
Solid Fuel cogeneration boiler		No			
Preferred fuel		Log Wood			
Energy efficiency class		A+	A+	A+	A+
Rated power	kW	18	28	32	38
Partial load	kW	-	14	14	14
Usable heat output at partial load	kW	-	14	14	14
Energy efficiency index - boiler		121	119	119	118
Seasonal space heating energy efficiency in active mode	%	82	81	81	81
Energy efficiency class - integration with heating circuit control		A++	A+	A+	A+
Energy efficiency index - integration with heating circuit control		125	123	123	122
Boiler efficiency at rated power (NCV* / GCV**)	%	93,9 / 86,3	92,5 / 85	91,9 / 84,4	91,3 / 83,9
Boiler efficiency at partial load (NCV* / GCV**)	%	-	92,0 / 84,5	92,0 / 84,5	92,0 / 84,5
Auxiliary power consumption at nominal heat output	kW	0,052	0,068	0,074	0,080
Auxiliary power consumption at partial load	kW	-	0,046	0,046	0,046
Auxiliary power consumption at standby	kW	0,0090	0,0090	0,0090	0,0090
Seasonal space heating emissions*** - PM	mg/m ³ (10% O ₂)	13	4	4	4
Seasonal space heating emissions*** - OGC	mg/m ³ (10% O ₂)	3	4	4	4
Seasonal space heating emissions*** - CO	mg/m ³ (10% O ₂)	37	69	69	69
Seasonal space heating emissions*** - Nox	mg/m ³ (10% O ₂)	154	151	151	152

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CF1.5 / CF2	UNIT	18	28	32	38
Other suitable fuel		Wood Pellets			
Energy efficiency class		A+	A+	A+	A+
Usable heat output at nominal heat output	kW	22,4	27,7	31,2	33,9
Usable heat output at partial load	kW	6,6	8,2	9,2	10
Energy efficiency index - boiler		120	120	120	120
Seasonal space heating energy efficiency in active mode	%	82	82	82	82
Energy efficiency class - integration with heating circuit control		A+	A+	A+	A+
Energy efficiency index - integration with heating circuit control		124	124	124	124
Boiler efficiency at rated power (NCV* / GCV**)	%	93,9 / 86,9	93,9 / 86,9	93,9 / 86,9	93,9 / 86,9
Boiler efficiency at partial load (NCV* / GCV**)	%	93,3 / 86,4	93,1 / 86,2	93,0 / 86,1	92,9 / 86,0
Auxiliary power consumption at nominal heat output	kW	0,088	0,101	0,110	0,117
Auxiliary power consumption at partial load	kW	0,054	0,056	0,058	0,059
Auxiliary power consumption at standby	kW	0,009	0,009	0,009	0,009
Seasonal space heating emissions*** - PM	mg/m ³ (10% O ₂)	34	33	32	31
Seasonal space heating emissions*** - OGC	mg/m ³ (10% O ₂)	6	6	5	5
Seasonal space heating emissions*** - CO	mg/m ³ (10% O ₂)	175	159	148	140
Seasonal space heating emissions*** - Nox	mg/m ³ (10% O ₂)	134	132	130	129

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