



KWB Powerfire

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".

TDS	UNIT	TDS 150	TDS 240	TDS 300
Stoking mode		automatic		
Share of partial load in relation to nominal load (30%/50%)	%	30		<16
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		
Condensing boiler		No		
Combination boiler for hot water and heating		No		
Solid Fuel cogeneration boiler		No		
Preferred fuel		Wood chips		
Rated power	kW	150	240	300
Partial load	kW	45,0	72,0	72,0
Seasonal space heating energy efficiency in active mode	%	79	83	83
Boiler efficiency at rated power (NCV* / GCV**)	%	92,5 / 83,4	95,8 / 86,5	95,5 / 86,2
Boiler efficiency at partial load (NCV* / GCV**)	%	92,4 / 83,1	95,7 / 86,4	95,7 / 86,4
Electrical power consumption at maximum output	kW	0,270	0,428	0,477
Electrical power consumption at partial output	kW	0,190	0,182	0,182
Electrical power consumption at standby	kW	0,0200	0,0340	0,0340
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380
Raumheizungs-Jahresemissionen - NOX	mg/m ³ (10% O ₂)	<200	<200	<200
Other suitable fuel		Wood Pellets		
Rated power	kW	150	240	300
Partial load	kW	45,0	72,0	72,0
Seasonal space heating energy efficiency in active mode		82	84	84
Boiler efficiency at rated power (NCV* / GCV**)	%	93,2 / 86,8	96,0 / 87,9	95,7 / 87,6
Boiler efficiency at partial load (NCV* / GCV**)	%	92,1 / 85,7	96,1 / 88,0	96,1 / 88,0
Electrical power consumption at maximum output	kW	0,182	0,418	0,470
Electrical power consumption at partial output	kW	0,110	0,238	0,238
Electrical power consumption at standby	kW	0,0200	0,0340	0,0340
Seasonal space heating emissions - PM	mg/m ³ (10% O ₂)	<30	<30	<30
Seasonal space heating emissions - OGC	mg/m ³ (10% O ₂)	<16	<16	<16
Seasonal space heating emissions - CO	mg/m ³ (10% O ₂)	<380	<380	<380
Seasonal space heating emissions - Nox	mg/m ³ (10% O ₂)	<200	<200	<200

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

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