



EN 16510
BlmSchV Stufe 2
Regensburger BStV / Aachener BStV / Munchener BStV
ART.15a B-VG / LRV
4 stelle DM.186



Heating technical data

Appliance Type (tightness)	CC50
Nominal and partial load heat output	8.1 / 3.5 kW
Efficiency at nominal and partial load heat output	90.9 / 91.5 %
Energy class (scale A++/G)	A+
Energy efficiency index	129 %
Seasonal space heating efficiency	88 %
Flue gas outlet temperature at nominal heat output**	226 °C
Flue gas outlet temperature at part load heat output**	130 °C
CO / PM / OGC / NOx at 13% O ₂ at nominal heat output	98 / 17 / 1 / 142 mg/Nm ³
CO / PM / OGC / NOx at 13% O ₂ at partial load heat output	170 / 14 / 1 / 100 mg/Nm ³
CO ₂ at nominal and partial load heat output	14 / 7.2 %
Minimum flue draught at nominal heat output ****	10 Pa
Minimum flue draught at partial load heat output ****	5 Pa
Flue gas mass flow at nominal and partial load heat output	4.3 / 3.7 g/sec
Pellet tank capacity (litres/kg) *	27 l / 18 kg
Fuel type	Wood Pellet (L)
Fuel dimensions	Ø6mm L3÷40mm
Fuel consumption at nominal and partial load heat output *	1.8 / 0.8 kg/h
Pellet tank autonomy at nominal and partial load heat output*	10 / 23 h
Heatable volume ***	147 / 231 / 405 m ³
Combustion air inlet diameter (mm)	Ø 50 mm
Ventilation air intake section (cm ²)	80 cm ²
Diameter of the flue gas outlet	Ø 80/130 mm
Electrical consumption at nominal heat output (and during ignition)	56 W (max 340 W)
Power supply voltage and frequency	230 Volt / 50 Hz
Mass of the appliance	130 kg
Minimum distance to combustible materials (rear/side/bottom)	40 / 100 / 0 mm
Minimum distance to combustible materials (front/ceiling)	1000 / 800 mm

* Values that can vary due to the used combustible

** Flue gas temperature at the appliance outlet, to be used in the chimney sizing calculation (according to EN 13384-1)

*** Heatable volume depending on the power required per m³ (respectively 55–35–20 W/m³)

**** Consider a minimum draught of 2 Pa in the EN 13384-1 chimney dimensioning calculations