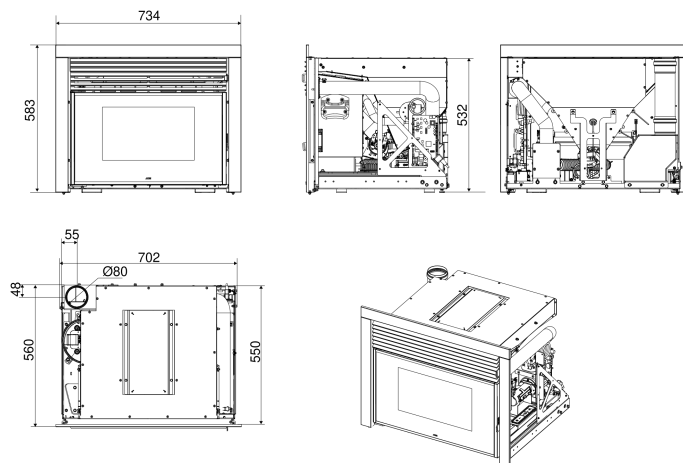


EN 16510
BlmSchV Stufe 2
Regensburger BStV / Aachener BStV / Munchener BStV
ART.15a B-VG / LRV
5 stelle DM.186 / Conto Termico 3.0



Heating technical data

Appliance Type (tightness)	CM50
Nominal and partial load heat output	7.8 / 3.3 kW
Efficiency at nominal and partial load heat output	90 / 92 %
Energy class (scale A++/G)	A+
Energy efficiency index	127 %
Seasonal space heating efficiency	86 %
Flue gas outlet temperature at nominal heat output**	206 °C
Flue gas outlet temperature at part load heat output**	98 °C
CO / PM / OGC / NOx at 13% O ₂ at nominal heat output	175 / 10 / 1 / 100 mg/Nm ³
CO / PM / OGC / NOx at 13% O ₂ at partial load heat output	119 / 15 / 1 / 102 mg/Nm ³
CO ₂ at nominal and partial load heat output	10.6 / 7.9 %
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	5.9 / 3.1 g/sec
Pellet tank capacity (litres/kg) *	20 l / 13 kg
Fuel type	Wood Pellet (L)
Fuel dimensions	Ø6mm L3÷40mm
Fuel consumption at nominal and partial load heat output *	1.8 / 0.7 kg/h
Pellet tank autonomy at nominal and partial load heat output*	7 / 18 h
Heatable volume ***	142 / 223 / 390 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 mm
Electrical consumption at nominal heat output (and during ignition)	69 W (max 360 W)
Power supply voltage and frequency	230 Volt / 50 Hz
Mass of the appliance	135 kg
Minimum distance to combustible materials (rear/side/bottom)	130 / 80 / 0 mm
Minimum distance to combustible materials (front/ceiling)	1000 / 330 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