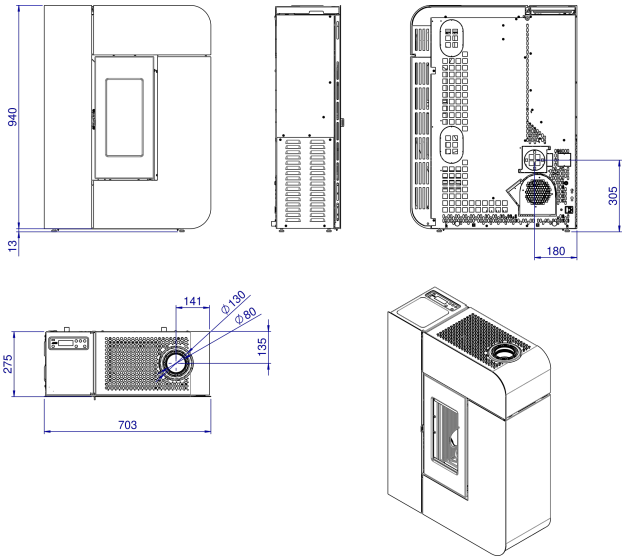
TECHNICAL DATA SHEET

ALEA AIR 7 XUP! S3 5S

Rev. 01



EN 16510
BImSChV 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)	CC50
Nominal and partial load heat output	6.2 / 3.1 kW
Efficiency at nominal and partial load heat output	91 / 92.7 %
Energy class (scale A++/G)	A+
Energy efficiency index	127 %
Seasonal space heating efficiency	86 %
Flue gas outlet temperature at nominal heat output**	174 °C
Flue gas outlet temperature at part load heat output**	118 °C
CO / PM / OGC / NOx at 13% O_2 at nominal heat output	97 / 7 / 2 / 98 mg/Nm^3
CO / PM / OGC / NOx at 13% O_2 at partial load heat output	141 / 10 / 2 / 97 mg/Nm^3
CO_2 at nominal and partial load heat output	11 / 8 %
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	4.5 / 3 g/sec
Pellet tank capacity (litres/kg) *	19 l / 12 kg
Fuel type	Wood Pellet (L)
Fuel dimensions	Ø6mm L3÷40mm
Fuel consumption at nominal and partial load heat output *	1.4 / 0.7 kg/h
Pellet tank autonomy at nominal and partial load heat output*	8 / 17 h
Heatable volume ***	113 / 177 / 310 m^3
Combustion air inlet diameter (mm)	Ø 60 mm
Ventilation air intake section (cm2)	80 cm^2
Diameter of the flue gas outlet	Ø 80/130 mm
Electrical consumption at nominal heat output (and during ignition)	60 W (max 345 W)
Power supply voltage and frequency	230 Volt / 50 Hz
Mass of the appliance	80 kg
Minimum distance to combustible materials (rear/side/bottom)	40 / 300 / 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 m^3 (respectively 55–35–20 W/m^3)
**** Consider a minimum draught of 2 Pa in the EN 13384-1 chimney dimensioning calculations