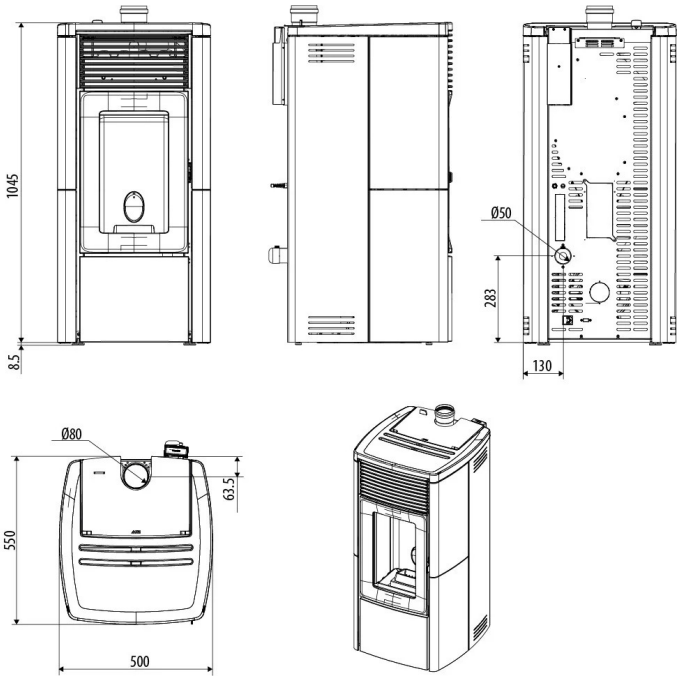
TECHNICAL SHEET

STAR AIR 8 UP! M3

Rev. 2022113001



EN 16510
BImSChV Stufe 2
Regensburger BStV / Aachener BStV / Munchener BStV
ART.15a B-VG / Klimafonds / LRV
4 stelle DM.186 / Conto Termico 2.0

(Max) nominal heat output	**8.1 kW**
Minimum heat output	**3.5 kW**
Efficiency at Max	**90.9 %**
Efficiency at Min	**91.5 %**
Energy Efficiency Class (A++ / G scale)	**A+**
Energy Efficiency Index (EEI)	**129 %**
Seasonal space heating energy efficiency (ηs)	**88 %**
Temperature of exhaust smoke at Max	**226 °C *** **
Temperature of exhaust smoke at Min	**130 °C *** **
PM / OGC / NOx at Max (13% O2)	**17 / 1 / 142 mg/Nm3**
PM / OGC / NOx at Min (13% O2)	**14 / 1 / 100 mg/Nm3**
CO at 13% O_2 at Min and at Max	**0.014 / 0.008 %**
CO_2 at Min and at Max	**7.2 / 14 %**
Recommended draught at Max power	**10 Pa **** **
Minimum draught allowed for minimum power	**5 Pa **** **
Mass of smoke at Min and at Max	**3.7 / 4.3 g/sec**
Hopper capacity	**33 l / 21 kg ***
Fuel dimensions	**Ø6mm L3÷40mm**
Hourly consumption at Min and at Max	**0.8 / 1.8 kg/h ***
Autonomy at Min and at Max	**26 / 12 h ***
Heatable volume m3	**147 / 231 / 405 ****
Combustion air inlet	**Ø 50 mm**
Air inlet	**80 cm2**
Smoke outlet	**Ø 80 mm**
Nominal electrical power (EN 60335-1).	**56 W (max 340 W)**
Supply voltage and frequency	**230 Volt / 50 Hz**
Net weight	**130 kg**
Distance from combustible material (back/side/under)	**40 / 100 / 0 mm**
Distance from combustible material (front/ceiling)	**800 / 1000 mm**

* Data that may vary depending on the type of pellets used.
**Heatable volume based on the requested power per m3 (respectively 55-35-20 W/m3)
*** Flue gas temperature at the appliance outlet, to be used in the chimney sizing calculation (according to EN 13384-1)
**** Consider a minimum draught of 2 Pa in the EN 13384-1 chimney dimensioning calculations