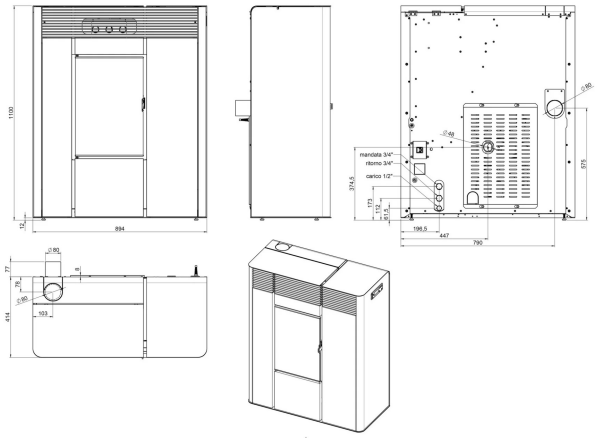
TECHNICAL SHEET

THEA HYDRO 23 S2

Rev. 2022102701



EN 14785
BImSChV Stufe 2
Regensburger BStV / Aachener BStV / Munchener BStV
ART.15a B-VG / Klimafonds / LRV
5 stelle DM.186 / Conto Termico 2.0

(Max) nominal heat output	**22.4 kW**
(Max) nominal heat output (H_2O)	**18 kW**
Minimum heat output	**4.9 kW**
Minimum heat output (H_2O)	**3.4 kW**
Efficiency at Max	**92 %**
Efficiency at Min	**96.7 %**
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	**153 °C**
Temperature of exhaust smoke at Min	**55 °C**
Particulate/OGC / Nox (nominal at 13%O2)	**14 - 2 - 99 mg/Nm3**
CO at 13% O_2 at Min and at Max	**0.012 - 0.011 %**
CO_2 at Min and at Max	**7.9 - 13.6 %**
Boiler liters content	**14 l**
Maximum operating pressure	**2 bar - 200 kPa**
Recommended draught at Max power	**10 Pa**
Minimum draught allowed for minimum power	**2 Pa**
Mass of smoke at Min and at Max	**4.5 - 12.1 g/sec**
Hopper capacity	**40 l**
Fuel dimensions	**Ø 6mm L 3 ÷ 40mm**
Hourly consumption at Min and at Max	**1.1 - 5.1 kg/h ***
Autonomy at Min and at Max	**24 - 5.098 h ***
Heatable volume m3	**407 - 640 - 1120 ****
Combustion air inlet	**Ø 50 mm**
Air inlet	**80 cm2**
Smoke outlet	**Ø 80 mm**
Nominal electrical power (EN 60335-1).	**117 W (max 343 W)**
Supply voltage and frequency	**230 Volt / 50 Hz**
Net weight	**195 kg**
Distance from combustible material (back/side/under)	**20 mm / 200 mm / 0 mm**
Distance from combustible material (front/ceiling)	**750 mm / 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)