TECHNICAL DATA SHEET

CLUB HYDROMATIC 24 M3

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

CE LRV

Heating technical data	
Appliance Type (tightness)	CM50
Nominal and partial load heat output	24 / 4.9 kW
Nominal and partial load water heat output	18.3 / 3.1 kW
Efficiency at nominal and partial load heat output	91.7 / 94.3 %
Energy class (scale A++/G)	A++
Energy efficiency index	130 %
Seasonal space heating efficiency	89 %
Flue gas outlet temperature at nominal heat output**	169 °C
Flue gas outlet temperature at part load heat output**	81 °C
CO / PM / OGC / NOx at 13% O_2 at nominal heat output	98 / 7 / 1 / 98 mg/Nm^3
CO / PM / OGC / NOx at 13% O_2 at partial load heat output	225 / 12 / 3 / 95 mg/Nm^3
CO_2 at nominal and partial load heat output	14.1 / 7 %
Boiler liters content	14 l
Permissible maximum water operating pressure	2 bar / 200 kPa
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	13.7 / 5.1 g/sec
Pellet tank capacity (litres/kg) *	40 l / 26 kg
Fuel type	Wood Pellet (L)
Fuel dimensions	Ø6mm L3÷40mm
Fuel consumption at nominal and partial load heat output *	5.4 / 1.1 kg/h
Pellet tank autonomy at nominal and partial load heat output*	5 / 24 h
Heatable volume ***	436 / 686 / 1200 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 mm
Electrical consumption at nominal heat output (and during ignition)	126 W (max 380 W)
Power supply voltage and frequency	230 Volt / 50 Hz
Mass of the appliance	197 kg
Minimum distance to combustible materials (rear/side/bottom)	200 / 200 / 0 mm
Minimum distance to combustible materials (front/ceiling)	1000 / 750 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