

# Helena (aqua)

RESIDENTIAL SPACE-HEATER  
FOR WOOD PELLET  
WITH/WITHOUT CENTRAL HEATING



- Helena is a space-heater without thermal insulation coat. Product dimensions make it suitable for placement in small areas. It is made according to EN 14785 and fulfills Ecodesign criteria 2015:1189.

- Ignition, start-up and turning-off are fully automatized. Combustion control is optimized using algorithms such as 'modulation' which automatically decreases pellet dose as the difference between desired and reached temperature is decreasing.

- Regulation is equipped with sensors (ambience sensor, flue gas). Ambience sensor is to detect the room temperature. It is also equipped with a dosing gear motor and two fans (ambience and flue-gases)

**AQUA version has a water jacket inside. It comes with cast iron door, rotational self-cleaning burner (similar to B-Smart) and an additional gear-motor and water sensor.**



Type	HELENA 8	HELENA 12
Nominal power	8 KW	12 KW
Fuel consumption at nominal power	max 1,8 kg/h	max 2,7 kg/h
Pellet quality	A1, A2 Ø6, Ø8	A1, A2 Ø6, Ø8
Total weight of the boiler	119 kg	128 kg
Pellet capacity	15 kg	15 kg
Flue gas diameter	80 mm	80 mm
Air inlet opening	50 mm	50 mm
Flue gas temperature at nominal power	143°C	160°C
Necessary draught	8 Pa	8 Pa
Connection to electrical network	220 V 50 Hz	220 V 50 Hz
Energy consumption at start-up	400 W	400 W
Energy consumption at steady-state	200 W	200 W
Efficiency	90,8%	91%

Type	HELENA AQUA
Nominal power	10 KW
Power transmitted to the central heating	8 KW
Temperature range	60-80°C
Minimum temperature of the return line	50°C
Fuel consumption at minimum power	min 1,0 kg/h
Fuel consumption at maximum power	max 1,5 kg/h
Pellet quality	A1, A2 Ø6, Ø8
Total weight of the boiler	178 kg
Weight of the cast-iron door	15 kg
Maximum working pressure	1,5 bar
Pellet capacity	12 kg
Flow / Return (inch)	1"
Fill / Drain tap (inch)	1/2"
Flue gas diameter	80 mm
Air inlet opening	50 mm
Flue gas temperature at nominal power	140°C
Necessary draught	8 Pa
Boiler water volume	15 lit
Connection to electrical network	220 V 50 Hz
Energy consumption at start-up	400 W
Energy consumption at steady-state	100 W
Boiler class efficiency	5
Boiler class emissions	5