

Hydro Pellet Stove

300462 NOA HYDRO Hydro Pellet Stove – Ivory
300651 NOA HYDRO Hydro Pellet Stove – Black

Certification:

Class A++, output 15 kW, consumption 3.3 kg/h

Class A++, output 14.3 kW, consumption 3.7 kg/h, ECODESIGN 2022

Technical datasheet



A⁺⁺

1 Description:

A pellet stove is an economical, eco-friendly and responsible solution. Thanks to the calorific power of pellets and the high performance of the units, efficiency exceeds 90%. The models are made from high-quality materials and feature special functions that distribute heat evenly for longer, achieving a very comfortable space.

They are also very simple to use. You only need to set the desired temperature and the heater automatically warms the room until it reaches the set point, keeping it constant.

Pellet stoves run connected to the mains supply (230V/50Hz).

PELLET: RENEWABLE ENERGY

It is an eco-friendly fuel with very low moisture content, made from sawdust or other plant-based by-products. Pellets are CO₂-neutral and burn completely, leaving minimal ash residue. The European standard for pellets is UNE-EN ISO 17225-2:2014.



2 Technical Specifications:

Model		
Noa Hydro, hydro pellet stove, sealed, ductable, with weekly programming.		
Colour options: Ivory and Black		
Optional Wi-Fi connectivity accessory.		

Technical specifications		
Heating capacity: to air / to water (max.)	kW	1.5 / 14.3
Thermal efficiency (nominal)	%	93 / 96
Consumption (min – max)	kg/h	1.5 / 3.7
Electrical consumption	kW	0.3 / 0.15
Voltage / Frequency	V / Hz	230 / 50
Control	Thermostat	

Heating characteristics		
Room volume *	m ³	375 / 387
Can be ducted to other rooms	Yes	
Can be used in a combined combustion system	No	
Flue outlet position	Rear	
Fuel: Pellets (diameter)	mm	6
Autonomy (min – max)	h	5.6 / 17.5
Hopper capacity	kg	21
Intermittent combustion system	Yes	

Weight / Dimensions		
Net weight	kg	131
Dimensions (W × D × H)	mm	572×597×1038
Flue outlet (diameter)	cm	8



Benefits:

Daily and weekly programming – Remote control – Top, side or rear flue outlet – Overheating protection – Thermostat and temperature sensor – Flue-gas temperature control – Forced flue exhaust.

Daily (2 programs), weekly (4 programs) and weekend (2 programs) independent on/off scheduling.

Ductable via one Ø80 mm rear outlet, up to 5 m.

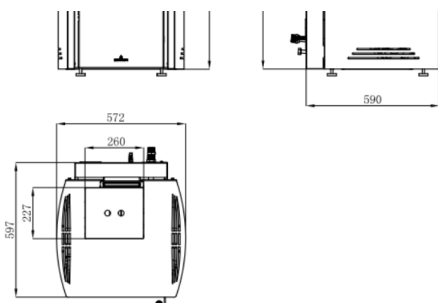
Clean-glass system: a system that draws outside (secondary) air into the appliance and channels it across the inner face of the glass, improving combustion and keeping the glass from blackening quickly, which allows a clearer view of the fire.

Double-combustion system: technology whereby a second intake of preheated air in the combustion chamber produces a second combustion of the unburnt gases from the first, delivering high efficiency, major fuel savings and reduced polluting emissions.

Modulation system: the model modulates to different power levels once the selected temperature is reached, bringing significant fuel savings. It includes a Stand-By system that switches the stove off when the desired room temperature is reached and back on when it must be restored.



Installation:



300463 Kit canalización

Modelo canalizable: permite la calefacción

300463 Ducting kit

Ductable model: heats the room where the unit is located as well as another room.

Heating technical specifications

Heating technical specifications		
Working pressure	bar	1.5
Closed expansion vessel	l	8
Max. service temperature	°C	40/80
No. of radiator elements		82 (*)
Radiant floor	m ²	120 (*)

* Radiator and floor sizing was determined for normal home-insulation conditions in a temperate zone. It assumes 60-cm aluminium radiator elements with a 50° thermal gradient, 120 kcal/element. Check the specifications (output) of the radiator to be used.



Applications

Residential, commercial, office and institutional spaces.