

NEW

AQUAPURA BOOSTER PRO

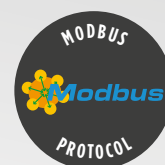
DOMESTIC
HOT WATER

WATER-WATER

HEAT PUMP



**THE BOOSTER IS A HIGHLY
EFFICIENT DHW HEAT PUMP**
THAT WORKS IN COMBINATION
WITH A DISTRICT HEATING
SYSTEM OR DOMESTIC
HEAT NETWORK.



AQUAPURA BOOSTER PRO

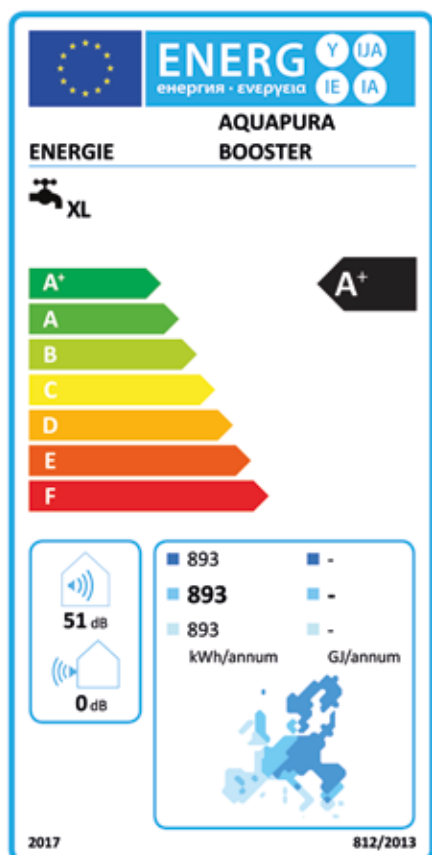
A COMPACT
EQUIPMENT FOR
HOT WATER

 **PORTUGUESE MANUFACTURING**

The Booster is a highly efficient water-water heat pump for the production of domestic hot water that works in combination with a district heating system or domestic heat network.

Both in district heating systems and heat networks, the temperature offered is normally insufficient for the production of domestic hot water. However, the Aquapura Booster water-to-water heat pump uses low-temperature water as a heat source for the production of domestic hot water up to 60°C.

Low temperature systems are becoming increasingly important in the house market. In such a system, a centrally located heat pump provides low-temperature water up to 35°C to multiple apartments or single houses. The high efficiency and limited heat loss mean that these types of systems achieve a very favorable energy rating in collective or single housing projects. The low-temperature water can be used directly for the radiant floor of the residential units.





+ PERFORMANCE

The Booster has a high coefficient of performance (COP), meaning that it is extremely efficient at converting energy into heat. This translates into lower energy bills and a reduced carbon footprint for homeowners.



+ HOUSE COOLING & QUIET OPERATION

When integrated with the house heating system, this product has the added benefit of cooling the house during the hot summer months.

The Booster produces minimal noise during operation, ensuring that it won't disturb the peace and quiet of your home.



+ INSTALLATION

The Booster is designed with horizontal transportation and easy installation in mind, making it a convenient and hassle-free option for households of all sizes.



+ PV AND SG READY

Enables the heat pump to use electricity generated by photovoltaic, wind, hydroelectric or other renewable-energy systems, converting it into useful thermal energy. This maximises self-consumption and reduces electricity consumption from the grid.

1. Storage Water Heater. 2. Block
3. Photovoltaic Panels. 4. Inverter.

BOOST YOUR SAVINGS AND COMFORT

The **Aquapura Booster Pro** uses innovative technology to harness the thermal energy available in the return flow of the heating circuit and transfer it with a high level of efficiency to the water stored in the hot-water cylinder. This process is carried out through a refrigerant circuit that uses a refrigerant to ensure effective heat transfer and high energy efficiency. The use of the natural refrigerant **R290 (propane)** provides excellent thermodynamic performance, contributing to higher system efficiency and a lower environmental footprint.

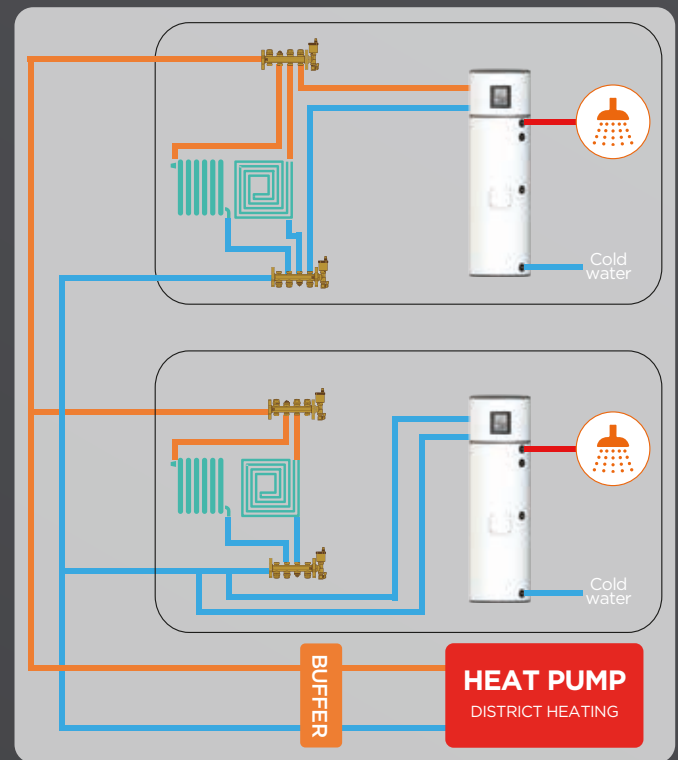
Thanks to its high efficiency, versatility and ease of integration into different heating systems, the **Aquapura Booster Pro** is a modern, reliable and cost-effective solution for domestic hot-water production. It combines high performance, reduced energy consumption and sustainability, meeting the requirements of residential and commercial installations. The **Aquapura Booster Pro** combines

advanced technology, efficiency and ease of use, with an intuitive control panel that enables fast and precise control of the unit.

Using the control panel, users can select the main operating modes, adjust the water temperature, configure the operating parameters and access essential system information, easily adapting the unit's performance to individual user requirements.

To ensure maximum comfort and optimise energy efficiency, the **Aquapura Booster Pro** features different operating modes — **AUTO**, **ECO**, **BOOST**, **BACKUP** and **HOLIDAY** — enabling efficient adaptation to different usage profiles and consumption requirements.

The hot-water cylinder is manufactured entirely from stainless steel, providing high corrosion resistance and superior durability. The absence of a magnesium anode eliminates the need for periodic replacement, significantly reducing maintenance costs and servicing requirements while providing a more practical, reliable and cost-effective solution throughout the unit's service life.



ELECTRONIC CONTROLLER DOMESTIC HOT WATER PRODUCTION



1. Compressor 2. Electrical Heater 3. Disinfect 4. Solar function 5. Alarm



DISCOVER
OUR APP
SMART LIFE



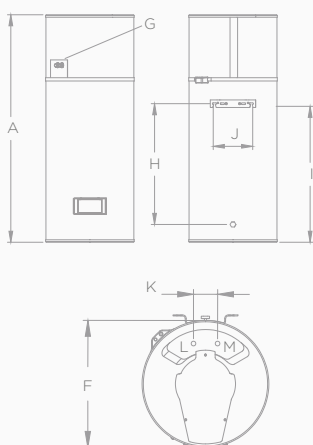
TECHNICAL DATA		BOOSTER 120I	BOOSTER 200I	BOOSTER 300I
Type of equipment	-	Water/Water Heat Pump for DHW		
DHW capacity	L	120	200	270
Empty weight	Kg	42	60	60
Storage water heater material	-	Stainless steel		
Insulation	-	50mm High density polyurethane		
Max running temperature cylinder	°C	80		
Max working pressure cylinder	bar	7		
Heat loss	kWh/24h	0,95	0,99	1,01
Protection index	-	IPX1		
Power supply	-	230 V/50 Hz		
Absorbed power (med ¹⁾ / max)	W	280 / 450	355 / 700	355/700
Absorbed power electrical support	W	1500	1500	1500
Thermal power supplied Heat Pump (med ¹⁾ / max)	W	1200 / 1849	1876 / 2570	1876/ 2570
Max running current (HP + Electrical Heater)	A	2+6,5	3 + 6,5	3 + 6,5
Max DHW temperature (HP)	°C	60		
Max DHW temperature (Backup)	°C	75		
Primary circuit temperature (min. / max.)	°C	10/ 50		
Primary circuit flow rate (min. /max.)	l/h	50 / 350	50 / 450	50 / 450
Refrigerant	-/Kg	R290 / 0.120	R290 / 0.150	R290 / 0.150
Load profile	-	M	L	XL
V ₄₀	l	139	261	334
Heating time ^{2) / 3)}	h	5:09 / 4:00	5:36 / 4:11	7:34 / 5:39
COP ^{2) / 3)}	-	3,90 / 4,20	5,10 / 6,1	5,30 / 6,2
Energy efficiency class ^{2) / 3)}	-	171 / 183	212 / 259	220 / 261
Energy efficiency ^{2) / 3)}	%	A+	A+	A+
Annual electricity consumption ^{2) / 3)}	kWk/y	300 / 281	482 / 395	763 / 642
P _{rated} ^{2) / 3)}	kW	1,021 / 1,276	1,686 / 2,221	1,596 / 2,081
Sound power level indoor ⁴⁾	dB	45		

¹⁾ Heat source at 25° and DHW temperature 50°C | ²⁾ Heat source at 25° and DHW temperature from 10°C-55°C, according to EN16147 and regulation (EU) N°812/2013 |

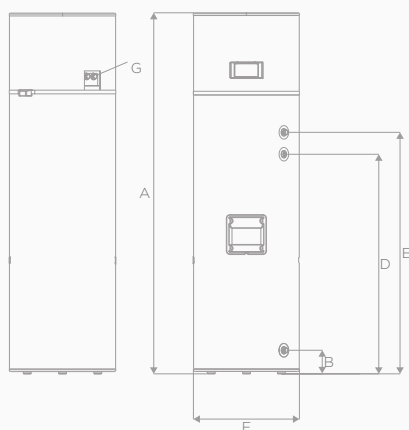
³⁾ Heat source at 35° and DHW temperature from 10°C-55°C, according to EN16147 and regulation (EU) N°812/2013 | ⁴⁾ According with EN12102

DIMENSIONS mm	Ø Pol.		120I	200I	300I
A	-	Height	1400	1667	1968
B	G ¾" M	Cold water inlet	-	131	131
C	G ½" F	Recirculation	-	-	840
D	G ½" F	PT Valve	-	905	1205
E	G ¾" M	Hot water outlet	-	1030	1325
F	-	Diameter	Ø530	Ø580	Ø580
G	G ¾" M	Heat source inlet/outlet	3/4"	3/4"	3/4"
H	-	Distance bracket and levelling stud	720	-	-
I	-	Distance fixing bracket base	826	-	-
J	-	Distance fixing bracket holes	220	-	-
K	-	Distance hydraulic connections	100	-	-
L	G ¾" M	Cold water inlet	-	-	-
M	G ¾" M	Hot water outlet	-	-	-

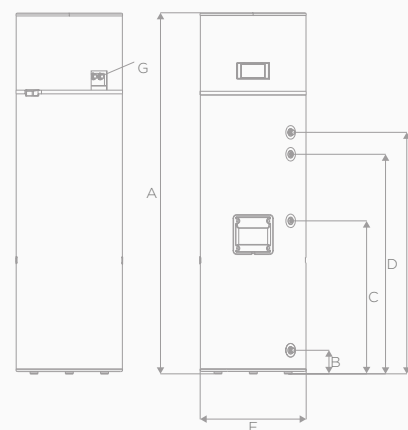
Equipment: **Aquapura Booster**



Booster 120i

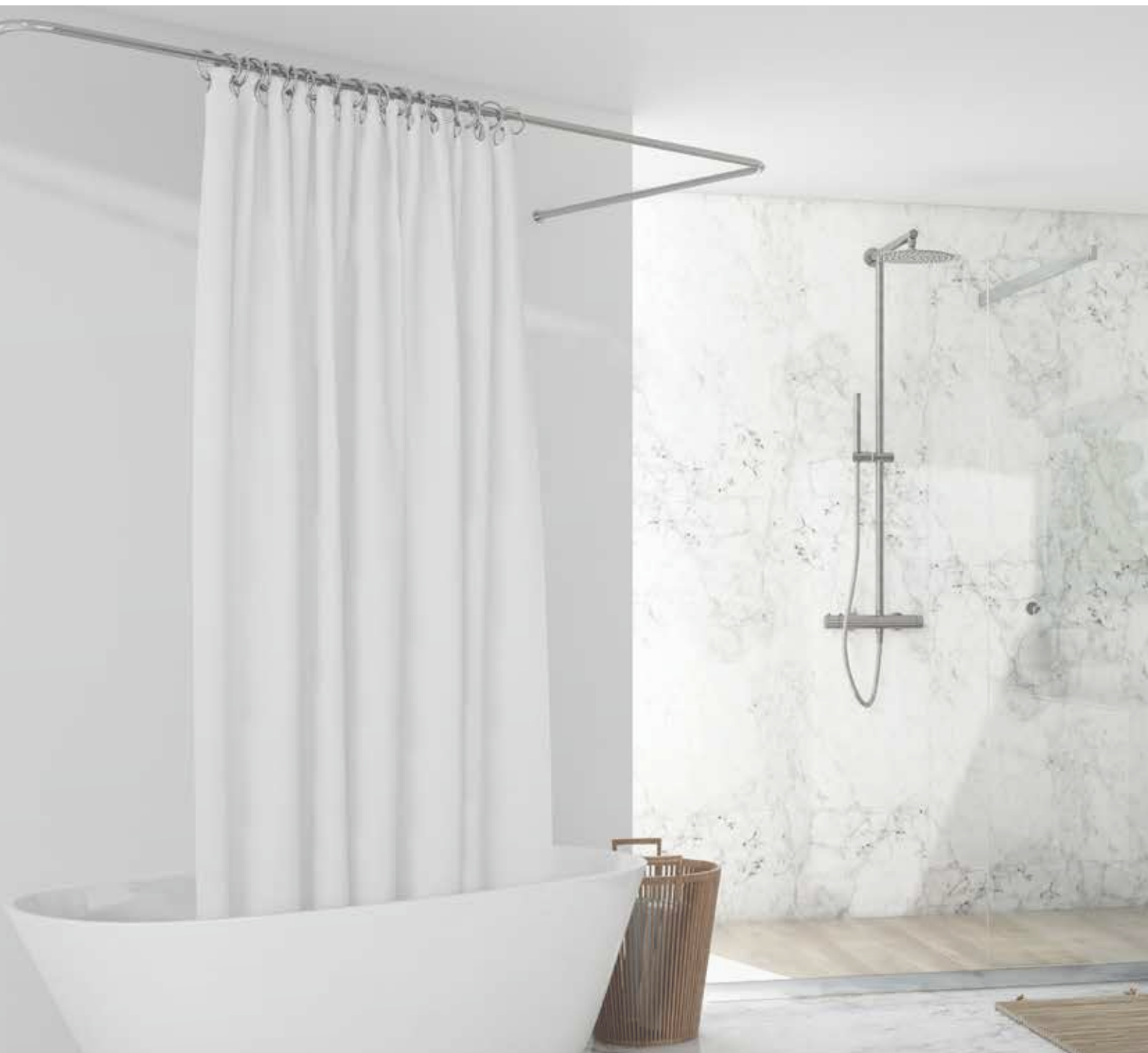


Booster 200i



Booster 300i

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