ENERGIE®
THERMODYNAMIC SOLAR ENERGY

PORTUGUESE MANUFACTURING
SINCE 1981

AQUAPURA BOOSTER

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.

STAINLESS STEEL STORAGE INOX WATER HEATER

PERFECT FOR RESIDENTIAL BUILDINGS

HOT WATER 60ºc UP TO

COEFFICIENT 5.4 COP OF PERFORMANCE

HOT WATER AND COOLING

AQUAPURA BOOSTER

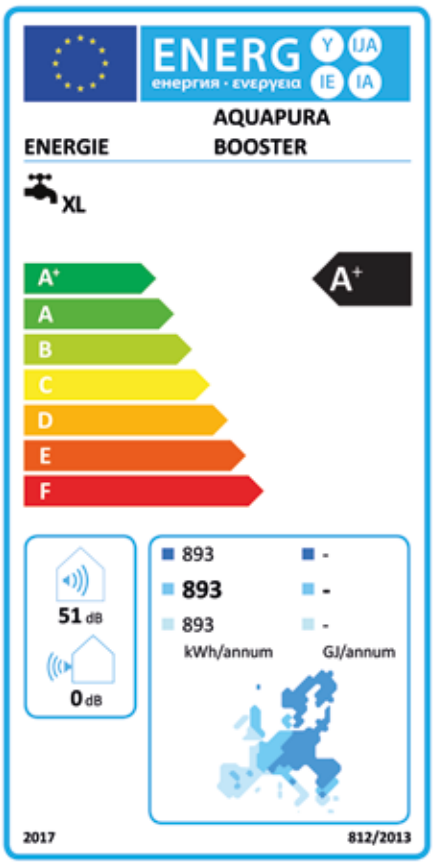
A COMPACT EQUIPMENT FOR HOT WATER

PORTUGUESE MANUFACTURING

The Booster is a highly efficient water-water heat pump for the prodution 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.



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+ 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

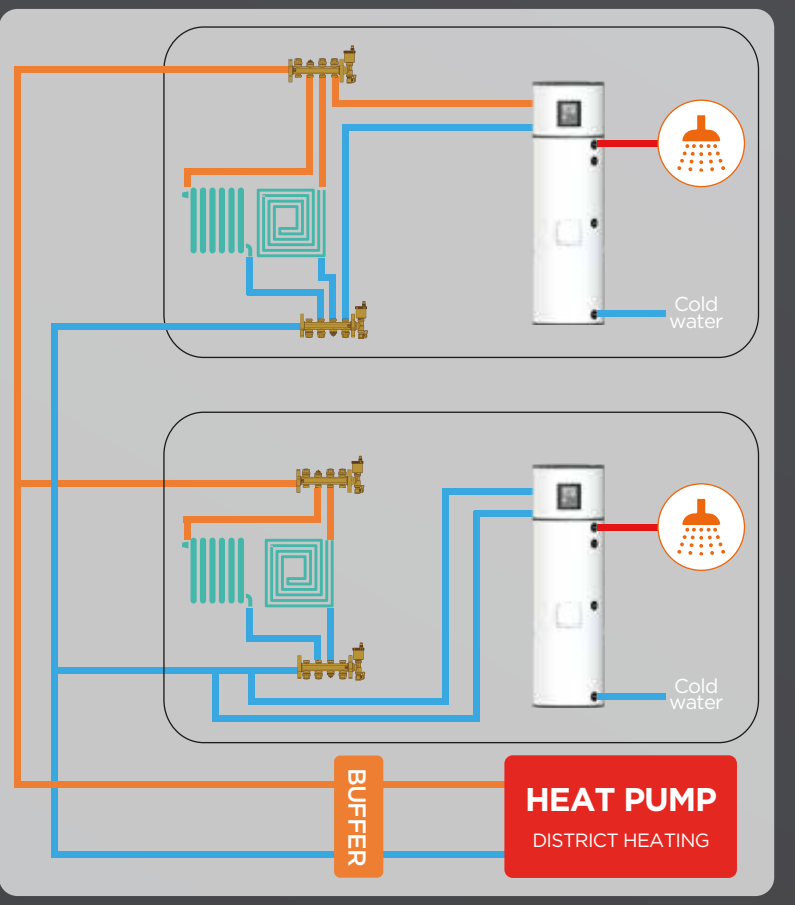
The Booster is designed with horizontal transportation and easy installation in mind, making it a convenient and hassle-free option for households of all sizes.

+ PV AND SG READY

With PV Smart Grid Ready, the ENERGIE Solar System absorbs the extra power generated by PV Panels, Wind Energy or Small Hydro storing, what would be lost energy, into the water, enabling you to save even more.

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

BOOST YOUR SAVINGS AND COMFORT



With its innovative technology, the Booster can extract heat from the central heating circuit and use it to heat water in a storage tank. This process is reliable and efficient, making it an ideal solution for homes of all sizes, including apartment buildings.

By using a Booster, households can save money on their energy bills and reduce their carbon footprint. With its flexibility and versatility, the Booster is an excellent choice for anyone looking to improve the efficiency of their water heating.

The unit can be conveniently controlled from the comfort of your home, thanks to its intuitive user-friendly control pael.

With the ability to access all main operational modes, functions, set points, and information from the control panel, you can easily customize your heating settings to suit your preferences. The Booster offers several operational modes, including AUTO, ECO, BOOST, BACKUP and HOLIDAY, making it a flexible and adaptable heating solution for any situation.

Professionals prefer this model due to its effortless installation procedure. It's lightweight and easily manoeuvrable, making it easy to transport and install in any type of housing.

This cylinder is made entirely of stainless steel, which eliminates the issue of corrosion. As a result, there is no need for an anode, which eliminates maintenance requirements and constraints. This makes the product a more convenient and cost-effective option for those who want to avoid the hassle of frequent maintenance.

ELECTRONIC CONTROLLER

DOMESTIC HOT WATER PRODUCTION

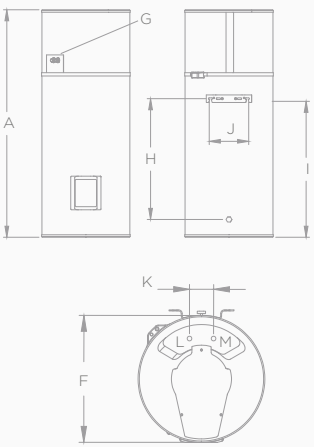
1. Compressor 2. Electrical Heater 3. Disinfect 4. Solar function 5. Alarm

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	41	58	98
Dimensions (height/ø)	mm	1400/530	1667/580	1968/580
Storage water heater material	-		Stainless steel	
Max running temperature cylinder	ºC		80	
Max working pressure cylinder	bar		7	
Heat loss	kWh/24h	0,95	0,99	1,01
Protection index	-		IPX1	
Power supply	-		220-240 Vac / Single-Phase / 50 Hz	
Absorbed power (med / max)	W	280/350	350/650	350/650
Absorbed power electrical support	W	1500	1500	1500
Thermal power supplied Heat Pump (med / max)	W	1470 / 1800	1800 / 2750	1800 / 2750
Max running current (Heat Pump + Electrical Heater)	A	1,5+6,5	2,9 + 6,8	2,9 + 6,8
Max DHW temperature (Heat Pump)	ºC		60	
Max DHW temperature (Backup)	ºC		75	
Refrigerant	-/Kg		R134a / 1.2	
Load profile	-	M	L	XL
COP [1) / 2)]		4,0/4,3	5,4/ 6,2	5,4 / 6,4
Heating time [1) / 2)]		3:55/3:32	3:15/3:03	4:38/4:21
Amount of useful water 40ºC [1) / 2)]		138/138	260/262	332/335
Energy efficiency class [1) / 2)]		A+++/A+++	A+++/A+++	A++/A+++
Energy efficiency [1) / 2)]		166/180	226/280	226 / 265
Annual electricity consumption [1) / 2)]		310/285	453/366	742 / 632
Sound power level indoor [3)]			45	

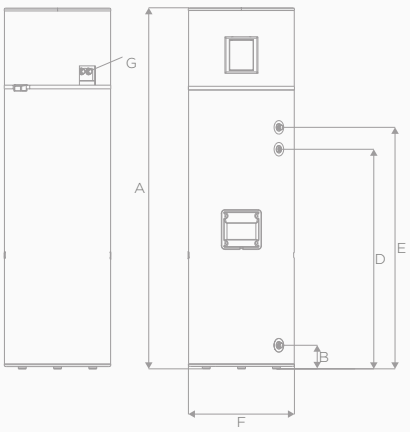
[1)] Heat source at 25° and DHW temperature from 10°C-53°C, according to EN16147 and regulamentation (EU) Nº812/2013 | [2)] Heat source at 35° and DHW temperature from 10°C-53°C, according to EN16147 and regulamentation (EU) Nº812/2013 | [3)] According with EN12102

DIMENSIONS mm	Ø Pol.		120I	200I	300I
A	-		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			Ø530	Ø580	Ø580
G	G ¾" M	Heat source connections	3/4"	3/4"	3/4"
H			720		
I			826		
J			220		
K			100		
L	G ¾" M	Cold water inlet			
M	G ¾" M	Hot water outlet			

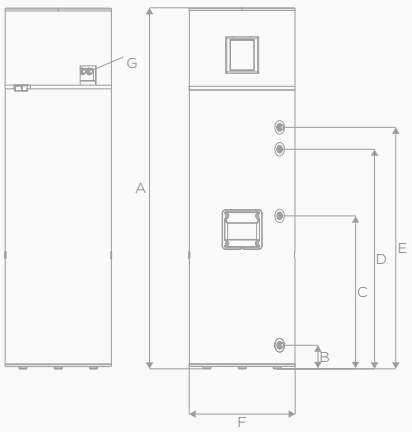
Equipment: **Aquapura Booster**



Booster 120i



Booster 200i



Booster 300i

R0V0/2024

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