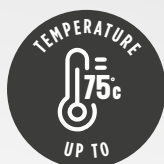


AQUAPURA INVERTER X30HT | X60HT

DOMESTIC HOT
WATER +
CENTRAL
HEATING



**AEROTHERMY
HEAT PUMP.**
LATEST GENERATION
OF HEAT PUMP
WITH NEW R290
NATURAL
REFRIGERANT.



THE LATEST GENERATION OF AEROTHERMIC HEAT PUMPS

WITH NATURAL REFRIGERANT R290



Use a natural refrigerant with less global warming potential.



Generates low levels of noise, almost imperceptible from a few metres away when in operation.



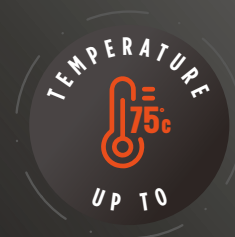
The system contains no fluorinated gases, it is 100% hydraulic.



Guaranteed high performance regardless of the use: heating, cooling or production of DHW.



The equipment has an ABS polymer-coated exterior designed to provide protection against corrosion.



The equipment can reach temperatures up to 75°C making it the ideal solution for replacing boilers.



Efficiency class A+++ give the equipment one of the highest levels of efficiency on the market.



INTUITIVE TOUCH CONTROL

PRODUCTION OF DHW + HEATING & COOLING

AQUAPURA X30HT



AQUAPURA X60HT



FUNCTIONING

PRINCIPLE

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There is a refrigerant fluid that is pumped into an external heat exchanger (evaporator). Here the fluid absorbs energy from the environment due to the temperature differential achieved outside. During this process, the fluid changes state and becomes vapour. The gaseous fluid is aspirated by the mechanical part of the system, the compressor. Here it is compressed, the pressure rises and consequently the fluid temperature rises. The fluid then travels to a second internal heat exchanger (condenser) and transfers the heat it transports to the house's heating system. The fluid goes back to the liquid state by cooling. The fluid pressure is reduced due to throttling that occurs in the expansion valve and the process starts over again.

INVERTER HEAT PUMPS

STAND OUT FOR THEIR HIGH PERFORMANCE

Heat pumps are prepared for heating and cooling as well as domestic water heating. These solutions stand out for their high energy efficiency, which makes them capable of achieving an energy rating up to A+++ for heating. They also stand out for their ability to integrate with other heating systems and easy installation.

HIGH LEVEL OF EFFICIENCY

DOMESTIC HOT WATER PRODUCTION

The heat from the environment is indirect solar energy, stored in water, air and soil. The heat pump will extract heat precisely from these heat sources for later use in your home's climate. Air/Water heat pumps with high energy efficiency INVERTER technology are a modern, efficient and clean solution that guarantees the comfort of your home, always respecting the environment.

It's a smart way to use nature's resources to improve your quality of life. By adopting one of these solutions, you will be making a serious commitment to the issue of reducing harmful emissions to our atmosphere, thus contributing to the planet's natural balance. The Air/Water heat pumps with INVERTER technology were developed to meet the needs of both domestic and industrial use, for climatization (heating and cooling) and Domestic Hot Water solutions (DHW).

CONSUMPTION OF PRIMARY ENERGY

Compared to the diesel boiler, gas boiler or electric heater, the heat pump provides quality of life, with low operating costs, due to its high efficiency.

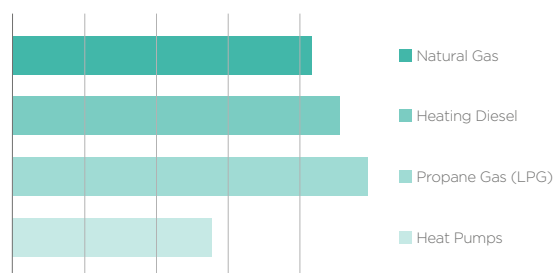
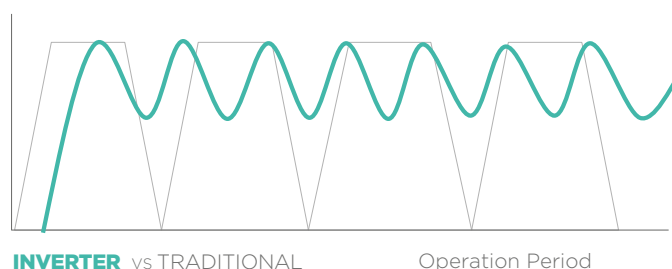


CHART OF ENERGY CONSUMPTION

DC INVERTER TECHNOLOGY

DC INVERTER technology is different from any other technology existing on the market because it has a compressor with the capacity to vary the operating frequency, meeting the exact needs of climatization comfort at home. This achieves greater savings in energy consumption.



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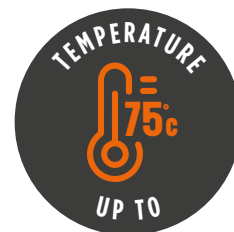
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DOMESTIC HOT
WATER +
CENTRAL HEATING

KEY FEATURES

- Compact design
- Touch control
- Simple installation "Plug & Use"
- Control via Smart APP
- RS485/ModBus centralized control
- Configuring operating periods
- Low operating noise
- Operation at outdoor temperatures down to -25°C

MAXIMUM
RETURN ON
INVESTMENT



AQUAPURA X30HT

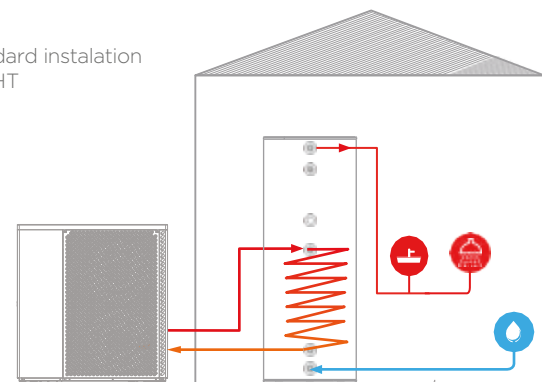
- DHW production up to 75°C
- Integrated water pump
- Up to 120 kw of capacity connecting 4 units of 30 kw/each

AQUAPURA X60HT

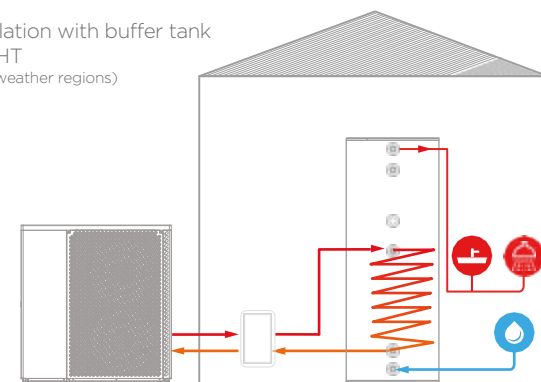
- Produção AQS até 70°C
- Up to 240 kw of capacity connecting 4 units of 60 kw/each

DWH INSTALLATION SCENARIOS

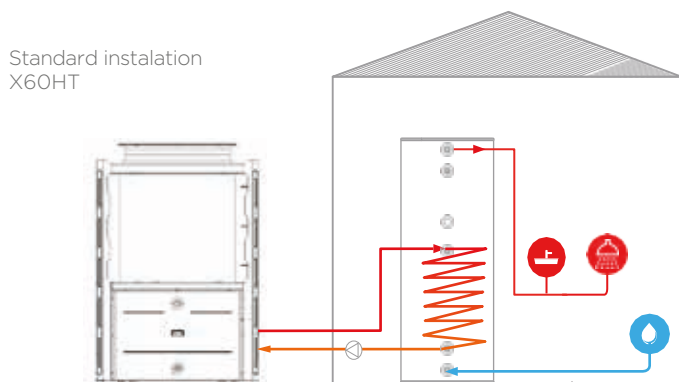
Standard installation
X30HT



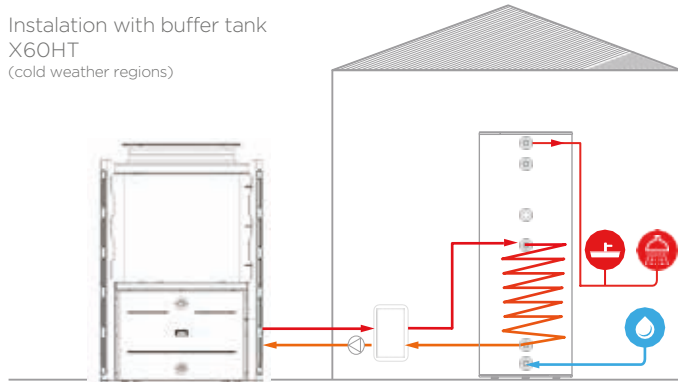
Installation with buffer tank
X30HT
(cold weather regions)



Standard installation
X60HT



Installation with buffer tank
X60HT
(cold weather regions)

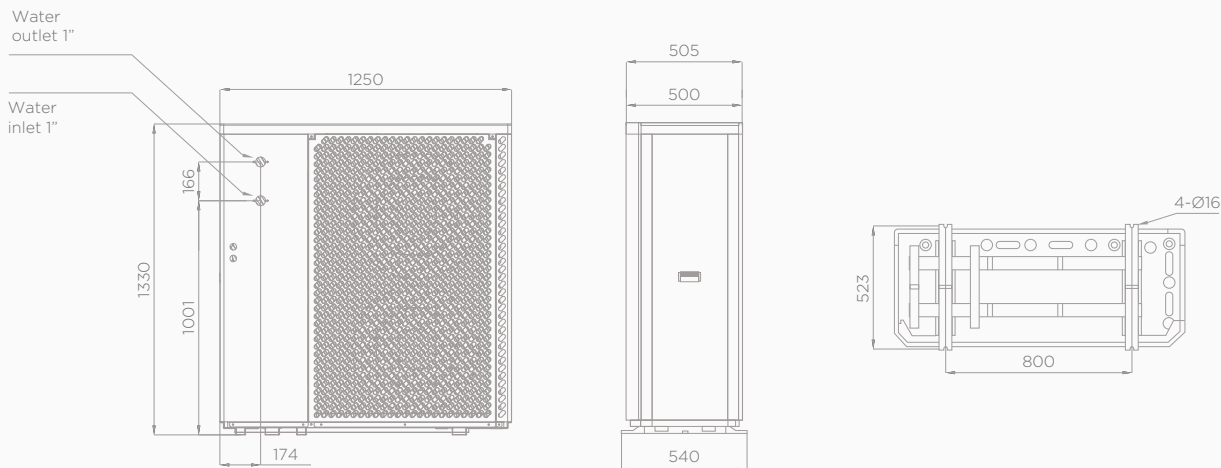


TECHNICAL DATA		UNI.	X30HT	X60HT
Power supply			380-415V/3N-/50Hz	380-415V/3N-/50Hz
Power supplied	Heating (Nom/Max)	kW	26 / 33	47 / 62
	Cooling (Nom/Max)	kW	20,6 / 29,3	36 / 51
Power consumed	Heating (Nom/Max)	kW	5,43 / 8,6	9,97 / 17,2
	Cooling (Nom/Max)	kW	5,71 / 8,9	10,16 / 17,8
COP ¹	Nominal		4,78	4,71
ERR ¹	Nominal		3,61	3,54
Energy efficiency class at 35°C			A+++	A+++
SCOP seasonal efficiency at 35°C			4,77	4,53
Energy efficiency class at 55°C			A++	A++
SCOP seasonal efficiency at 55°C			3,59	3,27
Maximum consumption		kW	13,7	19,4
Maximum consumption current		A	22	30
Refrigerant (R290)		g	1300	1500x2
Compresor			DC Inverter	DC Inverter
Sound pressure at 1m		dB(A)	42-57	45-69
Hydraulic connections		Pol.	1"	1 1/2"
Recommended water flow		m³/h	2,9	9,0
Water pump manometric height		m	12,5	*
Hydraulic circuit load loss		kPa	65	80
Environment temperature		°C	-25 a 43	-25 a 43
Dimensions (HxWxD)		(HxWxD)	1330x1250x540	1816x1198x980
Weight		kg	202	363

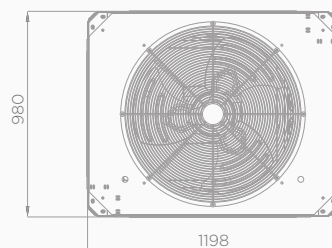
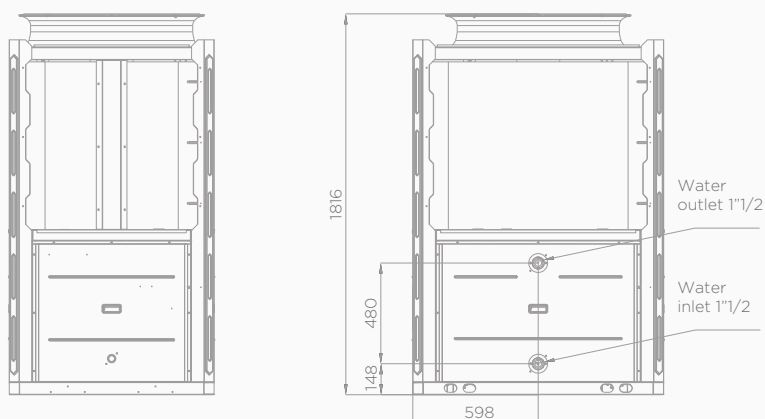
¹ Air temperature (DB/WB) 7°C/6°C; Water temperature (input/output) 30°C/35°C

* Water pump not included

Equipment: **Aquapura X30HT**



Equipment: **Aquapura X60HT**



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2020

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Fundo Europeu
Estrutural e de Investimento



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