thermoibérica®

Connecting energies

SunEnergy

Ready for **solar panels**

ECO FRIENDLY GAS: R290

R·290 GPW3

THERMOIBÉRICA INDUSTRIAL LINE

ThermoKlim

X30HT / X60HT

WIFI READY!

New Generation
Air Conditioning + DHW

ErP READY APPLIES TO EUROPEAN DIRECTIVE FOR ENERGY RELATED PRODUCTS

CE COMPLIANCE

MADE IN EUROPE

5 years of guarantee

Scan and see online:
ThermoKlim

Rev. 15042024-2

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X30HT / X60HT

Easy hydraulic installation

Energy class

Quiet

Natural refrigerant

Up to 75ºC
Ideal for replacing boilers

Robust and anti-corrosive

Domestic hot water

Underfloor heating

Heating

Cooling

THERMOKLIM X aerothermal heat pump. Latest generation of heat pump with new natural R290 refrigerant.

Tactile and intuitive controller for DHW + heating production.

- Compact design
- Touch control
- Simple plug and play installation
- Control via smart app
- RS485/ModBus centralized control
- Configuration of operating periods
- Low noise
- Operation up to outside temperatures of -25°C

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ThermoKlim

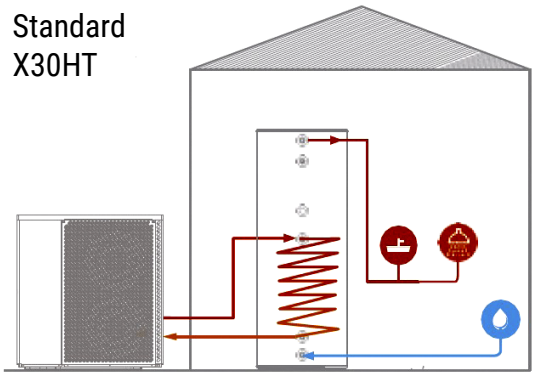
X30HT / X60HT

THERMOKLIM INV 5-15 HT is compatible with the THERMOBOX range.

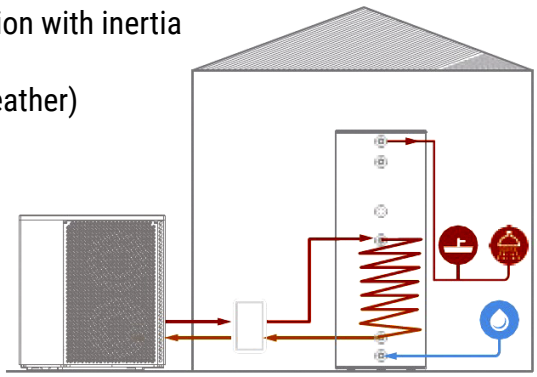
It belongs to THERMOIBERICA's ALL-IN-ONE family of equipment, made up of just 2 units: indoor + outdoor, 100% hydraulic installation.

All the components are integrated into the indoor unit, making it versatile and compact. Ideal for homes or residences.

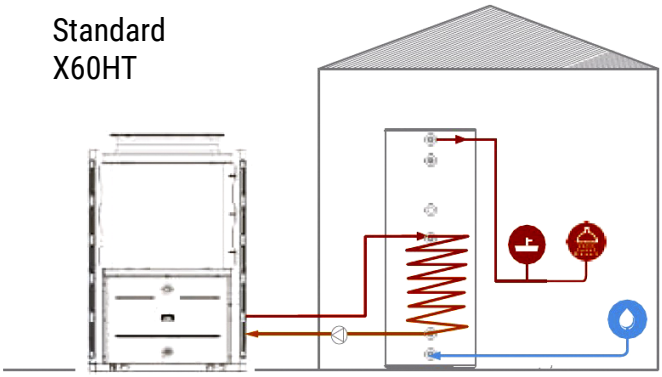
Standard
X30HT



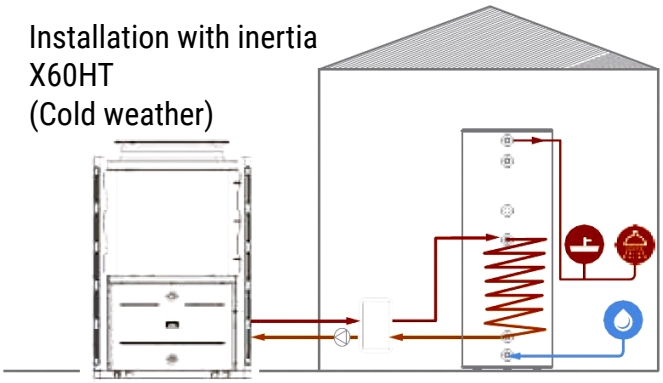
Installation with inertia
X30HT
(Cold weather)



Standard
X60HT



Installation with inertia
X60HT
(Cold weather)



Working principle

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Ready for solar panels

The refrigerant is pumped to an external heat exchanger (evaporator). Here it absorbs energy from the environment due to the temperature differential reached outside.

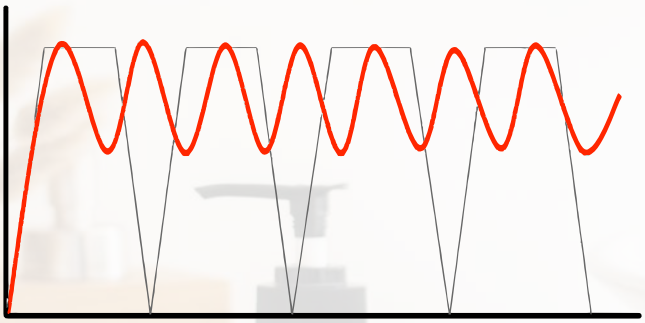
During this process, the fluid changes state and becomes vapor.

The gaseous fluid is sucked in by the mechanical part of the system, the compressor. It is compressed, the pressure increases and, consequently, the temperature of the fluid rises.

The fluid then travels to a second internal heat exchanger (condenser) and transfers the heat it carries to the house's heating system.

When the fluid cools, it returns to its liquid state. The fluid pressure is reduced due to a throttling that occurs in the expansion valve and the process begins again.

Inverter heat pumps **stand out for their high performance**



InverterDC vs. traditional technology.

Heat pumps are designed to heat and cool, as well as to supply domestic hot water.

These solutions stand out for their high energy efficiency, which makes them capable of achieving an energy rating of up to A+++ for heating.

They also stand out for their ability to be integrated with other heating systems and for their ease of installation.

DC INVERTER technology differs from any other on the market in that it has a compressor capable of varying the operating frequency, thus meeting the comfort needs of air conditioning.

High level of efficiency

The heat that comes from the environment is indirect solar energy, stored in water, air and soil.

The heat pump efficiently extracts the energy present in these indirect heat sources for later use in air conditioning.

Air-to-water heat pumps with energy-efficient INVERTER technology are a modern, efficient and clean solution that guarantees maximum comfort while always respecting the environment.

It's a smart way of using nature's resources to improve your quality of life.

By adopting one of these solutions, you are making a serious commitment to reducing harmful emissions into the atmosphere, thus contributing to ecological balance.

Air-to-water heat pumps with INVERTER technology cover the needs of domestic and industrial use, air conditioning solutions (heating and cooling) and domestic hot water (DHW).

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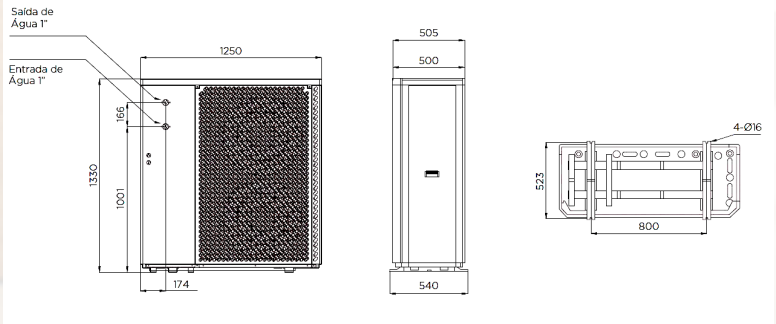
Technical data

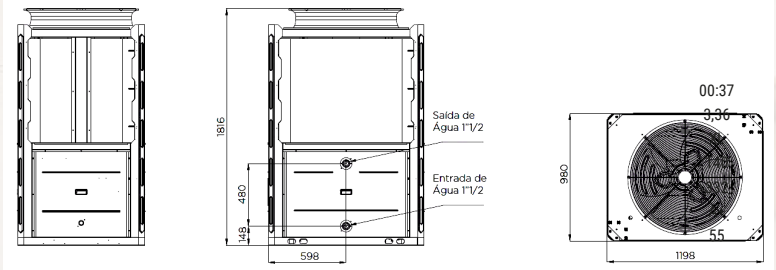
Energy class

TECHNICAL DATA			X30HT	X60HT
Electrical Supply			380-415V/3N~/50Hz	380-415V/3N~/50Hz
Power Provided	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 Class at 35OC			A+++	A+++
SCOP Seasonal Efficiency at 35OC			4.77	4.53
Energy Class at 55OC			A++	A++
SCOP Seasonal Efficiency at 55OC			3.59	3.27
Maximum Consumption		kW	13,7	19,4
Max Operating Current		A	22	30
Refrigerant (R290)		g	1300	1500x2
Compressor			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	*
Load Loss Hydraulic Circuit		kPa	65	80
Room temperature		OC	-25 a 43	-25 a 43
Dimensions (HxWxD)		(AxLxP)	1330x1250x540	1816x1198x980
Weight		Kg	202	363

(1) Air temperature (DB/WB) 7OC/6OC; Water temperature (input/output) 30OC/35OC
(*) Circulator not included



Equipamento: **Aquapura X60HT**



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