



ThermoKlim

Inv 3-8, 8-12, 5-18



Climate control + DHW



Scan and see online:
ThermoKlim



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Inv 3·8, 8·12, 5·18

THERMOKLIM INVERTER is the ideal heat pump for underfloor heating.

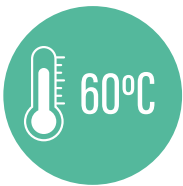
An efficient, quiet, attractively designed and compact solution. It allows cooling and heating. It is also prepared for domestic hot water service.



Easy hydraulic installation



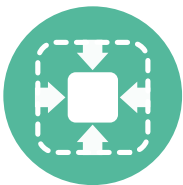
Energy class



Up to 60°C



Natural refrigerant



Ultra-compact



Robust and anti-corrosion



Domestic hot water



Underfloor

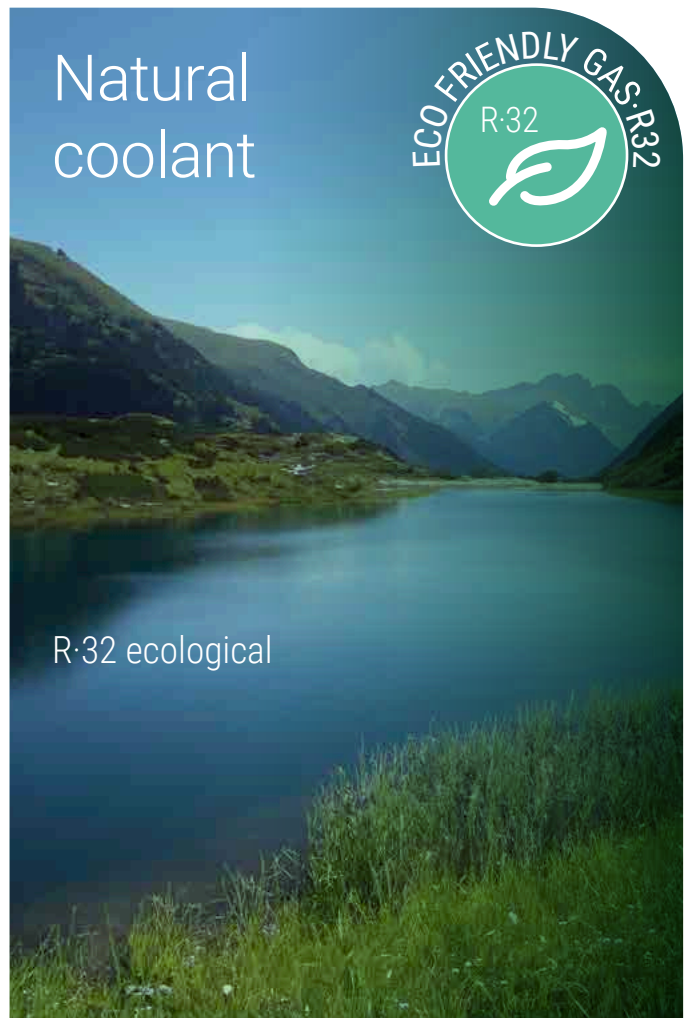


Heating



Cooling

- Air conditioning with fan coil units.
- Programmed heat pump for DHW.
- Allows heating+cooling.
- Heating with radiators or underfloor heating.
- Models from 3 to 18 KW

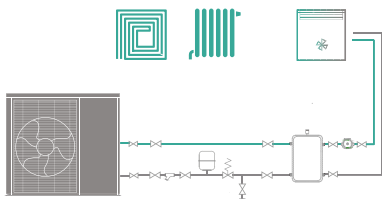


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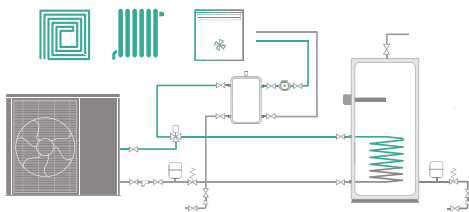
Inv 3·8, 8·12, 5·18

THERMOKLIM INV with storage heaters for DHW production.

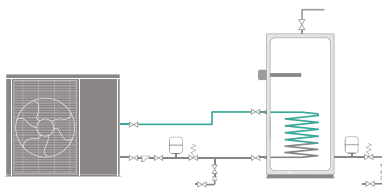
- Capacities of 200, 300 and 500 litres.
- AISI 444 stainless steel tank.
- 5-year guarantee.
- High efficiency XL coil.



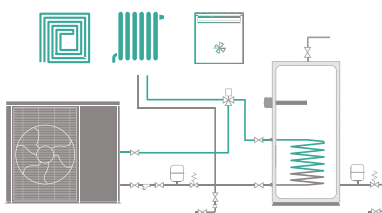
AIR CONDITIONING WITH INERTIA



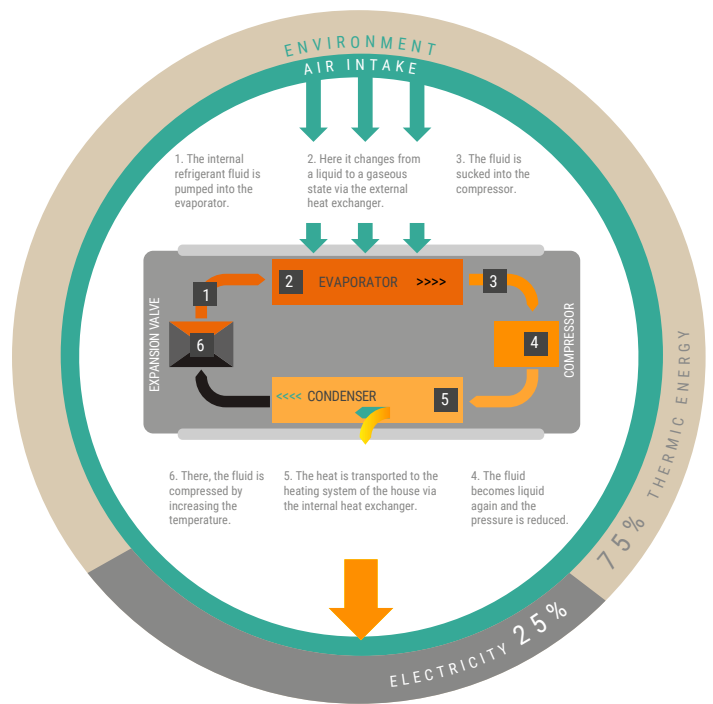
AIR CONDITIONING WITH INERTIA + DHW



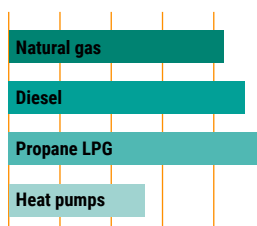
DOMESTIC HOT WATER



AIR CONDITIONING WITHOUT INERTIA + DHW



Energy consumption comparison



Working principle



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.

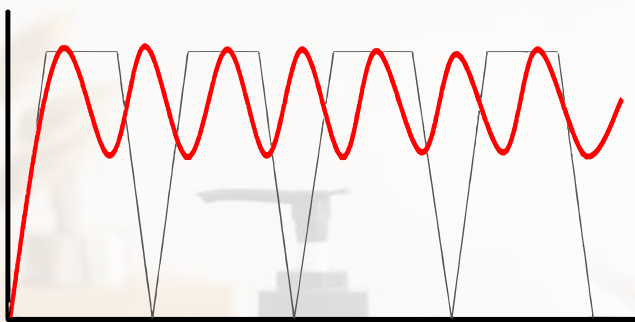
The gaseous fluid is sucked in by the mechanical part of the system, the compressor. It is compressed, the pressure increases and, consequently, the temperature of the

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 commit-

ment 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).

Technical data

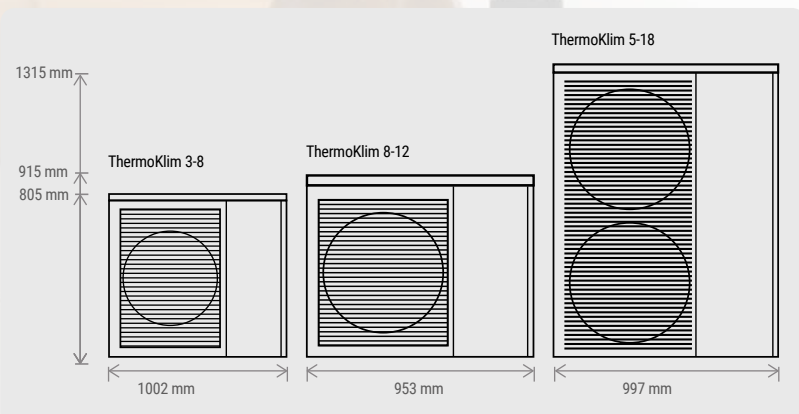


TECHNICAL DATA THERMOKLIM			TK 3-8	TK 8-12	TK 5-18
Electrical power supply			1~/ 230V/ 50Hz	1~/ 230V/ 50Hz	1~/ 230V/ 50Hz
Power supplied	Heating (Nom/Max)	kW	6,47 / 8,25	8,25 / 12,52	15,36 / 18,51
	Cooling (Nom/Max)	kW	5,12 / 6,10	7,01 / 11,31	13,92 / 16,23
Power consumed	Heating(Nominal)	kW	1,33	1,71	3,21
	Cooling (Nominal)	kW	1,40	1,94	3,88
COP ¹	Nominal	-	4,87	4,82	4,79
EER ¹	Nominal	-	3,65	3,61	3,58
Energy class at 35°C			A+++	A+++	A+++
SCOP ² - Seasonal Efficiency at 35°C	Warm climate	-	5,36	5,03	5,11
Energy class at 35°C			A++	A++	A++
SCOP ² - Seasonal Efficiency at 35°C	Medium climate	-	4,76	4,73	4,67
Energy class at 55°C			A++	A++	A++
SCOP ² - Seasonal efficiency at 55°C		-	3,91	3,86	3,72
Max. consumption (power/current)		kW / A	2,9 / 13	4,6 / 21,5	7,2 / 33,2
Water temperature	Heating	°C	60	60	60
	Cooling	°C	7	7	7
Outdoor operating temperature	Heating	°C	-25 to35	-25 to35	-25 to35
	Cooling	°C	10 to43	10 to43	10 to43
Refrigerant (R32) / CO ² Equivalent		Kg / Ton	1,3 / 0,88	1,7 / 1,15	2,0 / 1,35
Compressor			DC Inverter	DC Inverter	DC Inverter
Number of fans / Type		-/-	1 / DC	1 / DC	2 / DC
Sound pressure		dB(A)	37~54	42~55	44~58
Sound power ³		dB	64	65	68
Diameter of hydraulic connections		inches	1"	1"	1" 1/4
Recirculation pump			Integrated	Integrated	Integrated
Water flow rate (min)		m3/h	1,0	1,7	2,9
Hydraulic circuit pressure drop		kPa	28	32	45
Dimensions		(LxAxA)	805 x 1002x 490	915 x 953 x 460	1315 x 997 x 437
Weight		Kg	90	108	157

(1) COP and EER calculated according to EN14511-2.

(2) SCOP calculated according to EN14825.

(3) Sound power calculated according to standard 12102-1.



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