AEROTHERMAL
MULTIFUNCTIONAL OR MULTIPURPOSE

6 - 50 kW

HXE



Full inverter heat pump, multifunctional or multipurpose air to water with total recovery, configurable for all kind of system needs in energy class A +++

Aerothermal

Cooling

Heating

Domestic Hot Water

INVERTER

R290

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AEROTHERMAL UNITS

HXE

MULTIFUNCTIONAL AND MULTIPURPOSE MONOBLOC HEAT PUMP WITH HIGH TEMPERATURE DHW PRODUCTION

6 - 50 kW

HEATING | DOMESTIC HOT WATER | COOLING



HXE series are adaptable and highly energy efficient monobloc heat pumps, thanks to the use of **BLDC digital scroll inverter compressors**. They are able to completely satisfy the needs for heating, cooling and for the production of domestic hot water; they operate with **outdoor temperature down to -20 °C** and produces **hot water up to 75 °C**.

Available in three different versions:

- **M** for 2-pipe systems with domestic hot water, in **total recovery**
- **P** for 4-pipe systems, to satisfy **heating and cooling** needs at the same time, in **total recovery**
- **H** for 2-pipe systems with domestic hot water

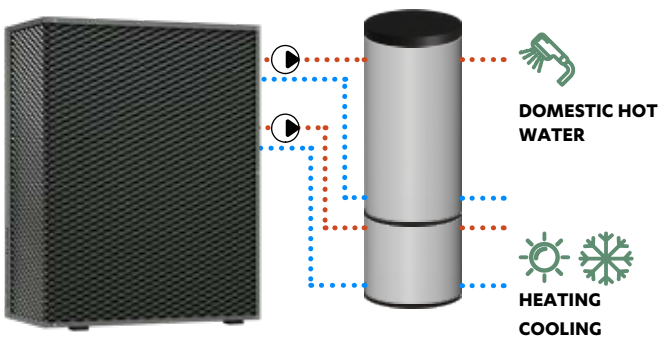
Modulating flow control

Electronic pumps and **modulating valves**, installed inside the unit, are essentially important to ensure flow rate control at constant temperature or constant delta T. Thanks to their control microprocessor, they are also able to adapt to every system need.

Total heat recovery

Thanks to the hot side **dedicated heat exchanger**, they satisfy the thermal and sanitary needs of commercial 4 pipe systems, **without reversing the refrigerant cycle** at each heating and cooling request.





En-power Temperature Control and Supervision

En-power is the advanced temperature control and supervision system for HVAC installations, enabling **intelligent control and remote management** via a dedicated app.

Smart Grid Ready

Smart Grid Ready for self-consumption management, with integrated My Economy device. HXE units are smart grid ready, meaning **they can automatically use surplus energy generated by the photovoltaic system**.
It is also possible to reduce or inhibit absorbed power during periods of electricity draw from the grid by adding an extra smart meter.

EC Fans

The **inverter fan with an electronically commutated motor** makes the HXE heat pumps **highly energy-efficient and very quiet**, with the ability to adjust airflow rates according to specific requirements.

Wider pitch finned coil

The coil has a wider fin pitch and is applied a **hydrophilic coating**, which prevents the formation of surface condensation with a resulting **reduction in the number of defrosting cycles by up to 30%**.

HXE		006		009		012		015		017		020		030		040	
Rated capacity data according to EN 14511		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
COOLING A35 / W18																	
Cooling Capacity	kW	1,4	9,4	1,6	10,7	2,5	17,0	3,3	22,0	3,7	24,7	4,9	32,8	6,1	40,5	7,9	52,6
Power Input with built-in pumps	kW	0,3	1,9	0,3	2,2	0,5	3,6	0,7	4,8	0,8	5,6	1,0	6,6	1,3	8,7	1,7	13,2
EER	-	5,2	5	5,2	4,8	4,7	4,7	4,7	4,6	4,8	4,4	5,1	4,9	4,5	4,7	4,8	4
COOLING A35 / W7																	
Cooling Capacity	kW	1	6,8	1,2	7,7	1,9	12,4	2,4	16,1	2,7	18,2	3,6	24	4,5	29,8	5,8	38,9
Power Input with built-in pumps	kW	0,3	1,8	0,3	2,1	0,6	3,4	0,7	4,5	0,8	5,3	1,0	6,4	1,3	8,4	1,7	12,5
EER	-	3,6	3,8	3,6	3,6	3,3	3,6	3,4	3,6	3,5	3,4	3,7	3,7	3,3	3,5	3,5	3,1
HEATING A7 / W35																	
Heating Capacity	kW	1,1	7,2	1,3	8,4	2,1	13,4	2,7	17,3	3	19,4	3,7	23,8	4,7	29,8	6,1	39,9
Power Input with built-in pumps	kW	0,3	1,6	0,3	1,9	0,5	3,0	0,7	3,8	0,7	4,4	0,9	5,3	1,2	6,9	1,5	9,9
COP	-	4,3	4,6	4,3	4,5	3,9	4,4	4,1	4,5	4,2	4,4	4,2	4,5	4	4,3	4,1	4
HEATING A-5 / W35																	
Heating Capacity	kW	0,8	5,3	1,0	6,2	1,5	9,8	2,0	12,7	2,2	14,4	2,8	17,6	3,5	22,1	4,6	29,9
Power Input with built-in pumps	kW	0,3	1,5	0,3	1,8	0,5	2,9	0,6	3,6	0,7	4,2	0,9	5,3	1,2	6,9	1,6	9,9
COP	-	3,2	3,50	3,10	3,40	2,90	3,50	3,1	3,50	3,20	3,40	3	3,30	3,00	3,20	3,00	3,00
DOMESTIC HOT WATER A7 / W65																	
Heating Capacity	kW	1	6,6	1,1	7,6	1,8	12,2	2,4	15,8	2,7	18	3,4	22,5	4,3	28,3	5,7	37,9
Power Input with built-in pumps	kW	0,5	2,5	0,5	2,9	0,9	4,6	1,1	6	1,2	6,8	1,8	9	2,2	11,5	2,8	16
COP	-	2,1	2,7	2,1	2,6	2,1	2,6	2,2	2,6	2,2	2,6	1,9	2,5	2	2,5	2	2,4
DOMESTIC HOT WATER A-5 / W65																	
Heating Capacity	kW	0,7	4,9	0,9	5,7	1,4	9,2	1,8	12,0	2,1	13,7	2,6	17,6	3,3	22,3	4,5	29,9
Power Input with built-in pumps	kW	0,4	2,3	0,5	2,7	0,8	4,3	1	5,6	1,1	6,4	1,8	8,9	2,2	11,5	2,8	15,8
COP	-	1,70	2,1	1,7	2,1	1,7	2,1	1,80	2,1	1,8	2,1	1,50	2	1,5	2	1,6	1,9
COOLING + DOMESTIC HOT WATER W23/18 W50/55																	
Cooling Capacity	kW	1,2	8,1	1,4	9,2	2,2	14,6	2,9	19,4	3,3	22	4,3	28,9	5,5	36,4	7,3	48,8
Heating Capacity	kW	1,6	10,3	1,8	11,8	2,9	18,6	3,8	24,7	4,3	28,1	5,7	36,2	7,2	45,6	9,6	61,9
Power Input with built-in pumps	kW	0,4	2,3	0,5	2,7	0,7	4,2	0,9	5,5	1,0	6,4	1,5	7,8	1,9	10,0	2,4	14,2
Total COP	-	6,9	7,9	7,1	7,7	7,2	7,8	7,1	7,9	7,3	7,8	6,9	8,3	6,5	8,2	6,9	7,8
EFFICIENCY																	
SEER	-	5,03		4,99		4,82		4,88		4,88		5,11		4,8		4,77	
SCOP (low temperature)	-	4,93		4,78		4,46		4,48		4,56		4,66		4,45		4,47	
SCOP (high temperature)	-	3,67		3,56		3,33		3,57		3,63		3,47		3,41		3,46	
ERP Efficiency Class (low temperature)	-	A+++															
Sound Pressure Level Lp @10m EN12102	dB(A)	22		26		32		32		33		30		32		33	
DHW Energy Class / Declared Profile	-	A/XL		A+/XL		A/XXL		A/XL		A+/XL		A/XL		A+/XL		A/XXL	
COMPRESSOR																	
Compressor Type	-	BLDC Inverter															
Power Supply	-	230 / 1+N / 50						400 / 3+N / 50									
Total FLA	A	16		18		24		19		19		22		26		35	
DIMENSIONS and WEIGHT																	
Length x Width x Height	mm	1200 x 645 x 1545												2012x702x1465			
Weight	kg	179		193		219		222		222		368		456		456	

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