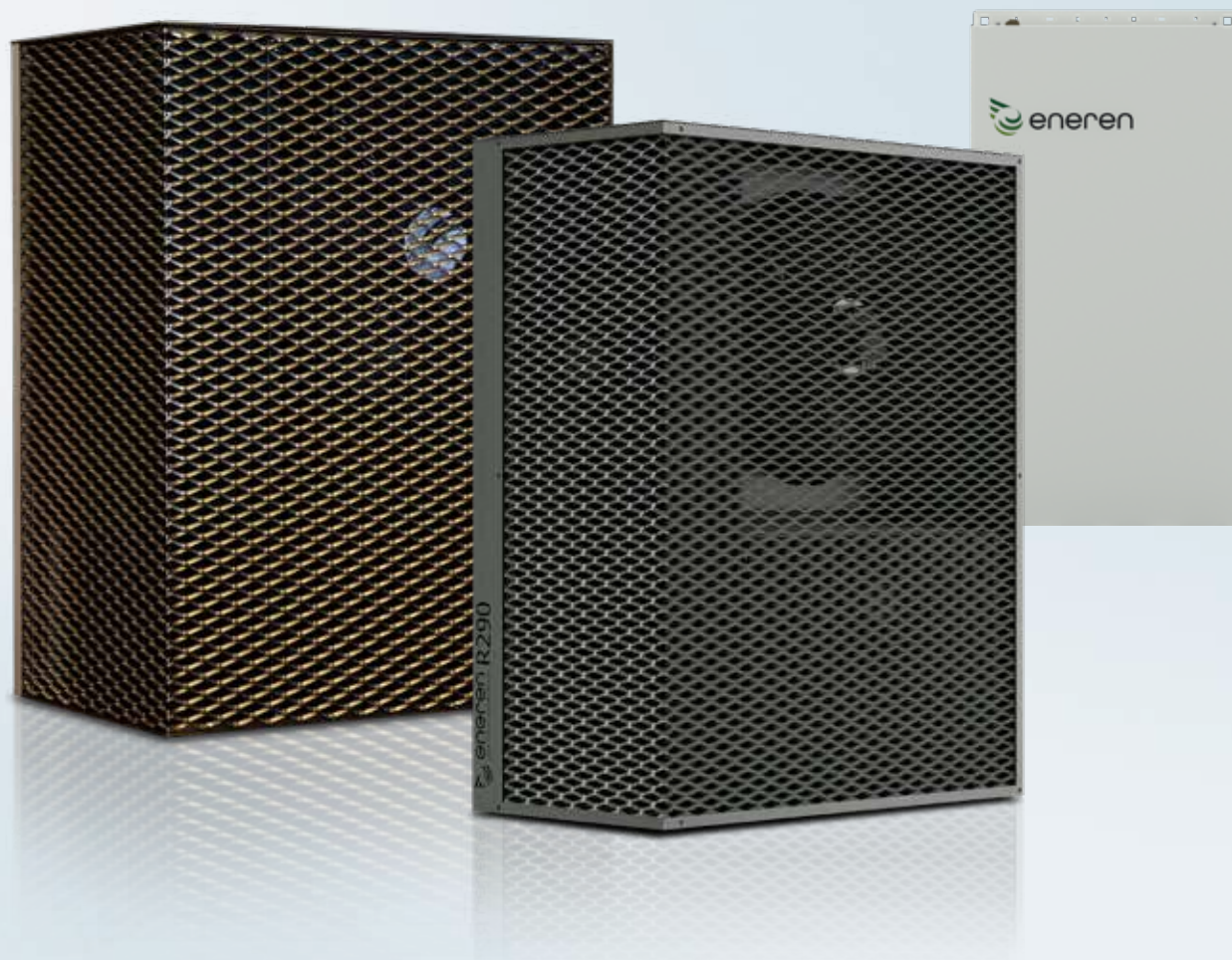


**AEROTHERMAL
MULTIFUNCTIONAL OR MULTIPURPOSE**

6 - 17 kW

HVE-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+++

INVERTER

R-454B

R-290



Aerothermal



Cooling



Heating



Domestic Hot Water

EN

HVE-HXE

Introduction

HVE-HXE INVERTER SERIES MULTIFUNCTIONAL OR MULTI-PURPOSE 6-17 KW

HVE and HXE 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 HVE produces **hot water up to 65 ° C**, while **HXE can produce it 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

Description

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.

REGULATION AND REMOTE CONTROL

The control software allows you to perform all the necessary adjustments to maximize efficiency and configurability to different types of systems. The unit interfaces with any communication language for the remote control of system management and operation.

Main technical characteristics

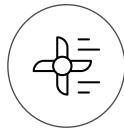
- ⊗ **BLDC INVERTER SCROLL COMPRESSOR**
The BLDC inverter scroll compressor, with very high efficiency, allows NAW to produce **hot water up to 65 ° C and up to 75 °** and guarantee a high performance in all conditions of use.
- ⊗ **FINNED COIL HEAT EXCHANGER WITH INCREASED FIN SPACING**
The coil has an increased fin spacing and is treated with a hydrophilic coating, which favors the drain of condensation with consequent reduction of defrost duration by up to 30%.
- ⊗ **MODULATING FLOW CONTROL**
The electronic pumps and modulating valves, installed in the outdoor unit or in the hydraulic module, are essential to ensure the control of the flow rate at constant temperature or constant Delta T. Thanks to the microprocessor that manages them, they are also able to adapt to every need of the system.
- ⊗ **SILENCE**
The **Hi-box** soundproofing of the compressor, through the dedicated box, **the large EC fans** with reduced speed rotation and the soundproof front grille, guarantee the highest level of acoustic comfort and silence.

Plus di prodotto



Coil with hydrophilic treatment

Coil with hydrophilic anti-condensation treatment with consequent reduction of defrost cycles. The use of a heat exchanger coil with increased fin spacing, and the use of a hydrophilic treatment let heat pump to reduce the need for defrosting by up to 30%.



EC Fans

The inverter fan with electronically commutated motor makes HVE and HXE a heat pump with a very high energy performance and low noise levels, with the ability to adjust the air flow according to individual needs.



Smart Grid Ready

Smart Grid Ready for the management of electricity self-consumption integrated with My Economy device. HVE and HXE are smart grid, i.e. able to self-consume the energy surplus produced by the photovoltaic system thanks to My Economy System. It is also possible to reduce or inhibit the power absorption from the electricity grid when the photovoltaic system is not producing energy.



Maximum soundproofing

The compressor is mounted on rubber feet that reduce vibrations to a minimum, and is enclosed in a Hi-box covered with a special sound-absorbing material. These construction details, combined with the adoption of EC fans, make HVE and HXE a very quiet heat pump.



Total heat recovery

By using a dedicated heat exchanger, the heat pump recovers 100% of the heat generated during the cooling phase. The recovered heat can be used to heat water for sanitary use or for the operation of 4-pipe systems. This solution increases the overall efficiency of the unit and avoids temperature fluctuations in systems characterized by low inertia.



Enerweb 2.0: Revolutionize Your Comfort with Intelligence and Connectivity

Enerweb 2.0 is the new supervision and monitoring system for heat pumps and air conditioning systems. The device is natively integrated into the heat pump and can be connected to other Eneren devices to have the entire system under control. The dedicated application is available for both iOS and Android, transforms your smartphone into a real command center with complete access to your system.



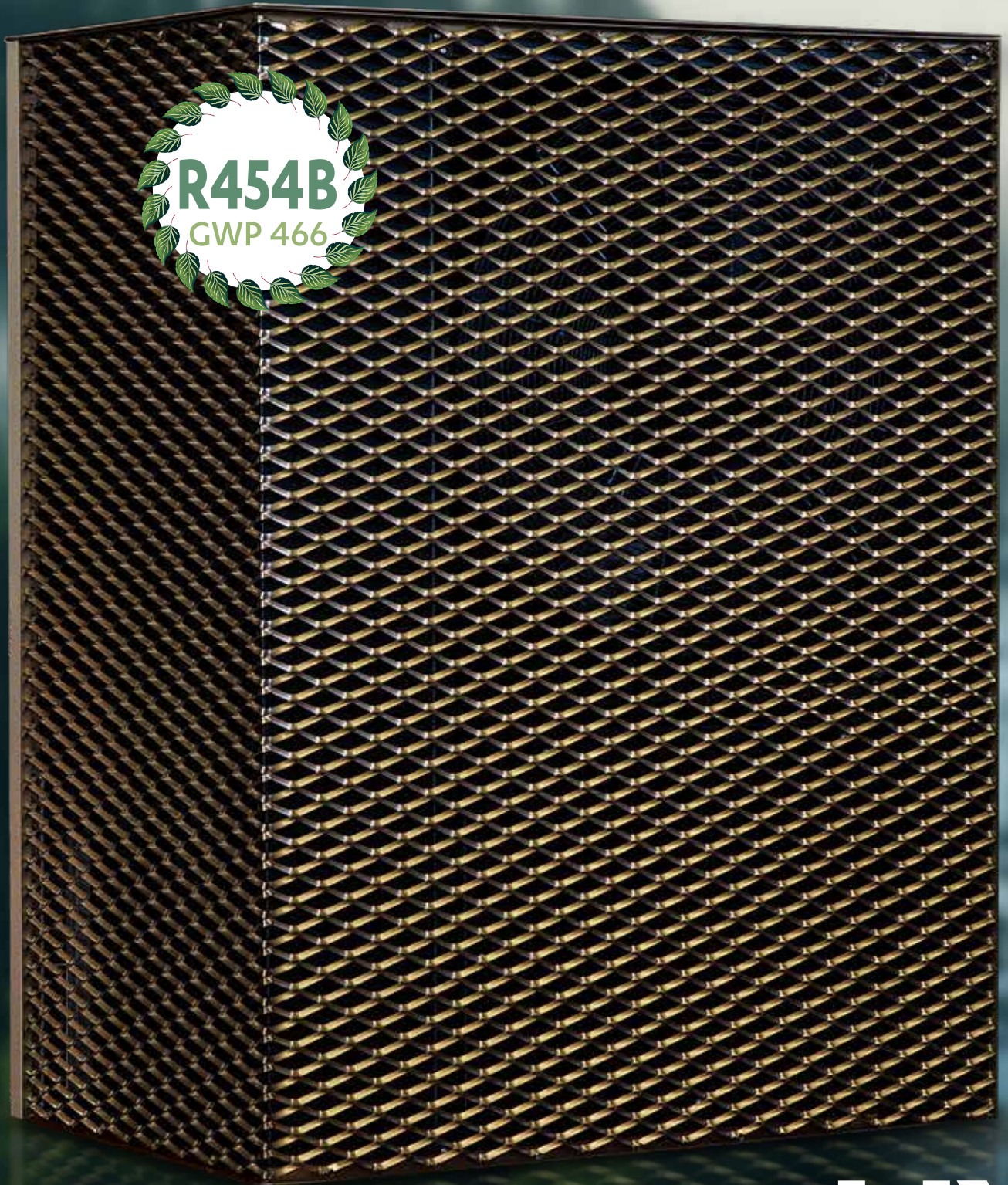
Applicazioni

- Apartments
- Villas
- Offices
- Commercial Buildings



eneren
your future-proof choice

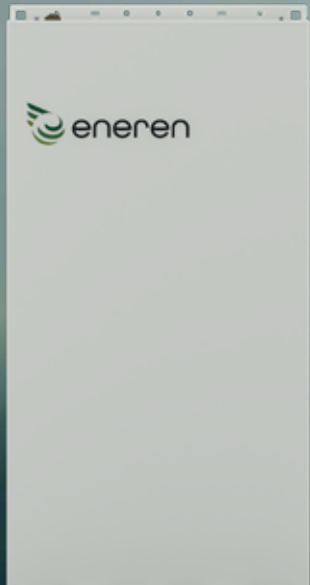
FUTURE



HVE

Series

ORIENTED SOUL, SUPERIOR DESIGN



E

HXE

Series

HVE-HXE

Design

GREEN SOUL AND THE GREEN WAY TO BE COOL

HVE and HXE are heat pumps with an exclusive design that combines technological and architectural innovation.

Their special cover transforms it into an element to be enhanced and a piece of furniture for your house.

Technology and aesthetics together for a new and unique style where sustainability is combined with elegance for maximum comfort.

YOUR FUTURE-PROOF CHOICE



		HVE006		HVE009		HVE012		HVE015		HVE017	
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
COOLING A35 / W18											
Cooling Power	kW	4,4	8,6	4,4	13,0	6,2	15,5	8,5	19,6	8,6	22,8
Absorbed power with pumps on board	kW	0,8	1,7	0,8	2,8	1,4	3,3	1,8	4,3	1,8	5,3
EER	-	5,44	5,11	5,42	4,66	4,50	4,72	4,76	4,52	4,82	4,33
COOLING A35 / W7											
Cooling Power	kW	3,0	6,1	3,0	9,2	4,3	10,9	5,9	14,0	6,0	16,3
Absorbed power with pumps on board	kW	0,8	1,6	0,8	2,7	1,4	3,2	1,8	4,1	1,8	4,8
COP	-	3,83	3,69	3,77	3,40	3,10	3,46	3,25	3,43	3,29	3,39
HEATING A7 / W35											
Heating Power	kW	3,6	7,5	3,6	11,4	5,2	13,5	7,2	17,7	7,2	20,3
Absorbed power with pumps on board	kW	0,7	1,4	0,7	2,3	1,3	2,9	1,6	3,6	1,6	4,2
COP	-	5,18	5,38	4,97	4,93	4,02	4,69	4,40	4,94	4,40	4,81
HEATING A-5 / W35											
Heating Power	kW	2,5	5,2	2,5	8,2	3,7	9,5	5,1	12,4	5,1	14,5
Absorbed power with pumps on board	kW	0,7	1,4	0,7	2,3	1,3	2,8	1,7	3,4	1,7	4,0
COP	-	3,59	3,80	3,44	3,64	2,83	3,43	3,02	3,63	3,02	3,65
DOMESTIC HOT WATER A7 / W55											
Heating Power	kW	3,4	7,0	3,4	10,8	5,5	12,4	6,8	15,7	6,8	18,3
Absorbed power with pumps on board	kW	1,2	2,1	1,2	3,4	2,2	4,0	2,6	5,1	2,6	5,9
COP	-	2,96	3,27	2,89	3,22	2,45	3,12	2,59	3,06	2,59	3,09
DOMESTIC HOT WATER A-5 / W55											
Heating Power	kW	2,6	5,0	2,6	7,8	4,3	9,0	5,0	11,4	5,0	13,2
Absorbed power with pumps on board	kW	1,1	2,0	1,2	3,2	2,2	3,7	2,5	4,8	2,5	5,5
COP	-	2,27	2,48	2,22	2,45	1,96	2,43	1,99	2,37	1,99	2,40
COOLING + DOMESTIC HOT WATER W23/18 W50/55											
Cooling Power	kW	3,6	7,6	3,6	11,6	5,3	13,2	6,9	16,7	6,9	19,5
Heating Power	kW	4,6	9,5	4,6	14,6	7,0	16,7	9,0	21,4	9,0	25,0
Absorbed power with pumps on board	kW	1,2	2,1	1,2	3,4	2,0	3,8	2,4	5,1	2,4	6,0
COP Total	-	7,08	8,02	7,08	7,83	6,19	7,83	6,71	7,45	6,71	7,37
EFFICIENCY											
ESEER / SCOP High Temperature	-	4,86/3,35		4,83/3,57		4,40/2,96		4,33/3,14		4,40/3,25	
Classe Efficienza ERP High Temperature	-	A++/H.T. Heat Pump				A+/H.T. Heat Pump					
DHW Energy Class / declared profile	-	A+/M		A+/M		A+/L		A+/L		A+/L	
Lw Sound Power Level @10m EN3744	dB(A)	18,0	28,0	18,0	33,0	21,3	36,0	20,3	35,3	20,3	36,3
COMPRESSOR											
Compressor type	-	Scroll BLDC Inverter									
Fan type	-	EC FAN									
Electrical power supply	-	230 / 1+N / 50 (optional 400V)						400 / 3+N / 50			
FLA Total	A	19,2		25,2		28,2		13,7		17,0	
DIMENSIONS AND WEIGHT											
Length x Width x Height	mm	1270 x 770 x 1550									
Weight	kg	196		210		236		245		245	

Data calculated with reference to the standards of UNI EN 14511 and EN 14825; and EN 3744 for acoustic performance

		HXE006		HXE009		HXE012		HXE015		HXE017		
		MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
COOLING A35 / W18												
Cooling Power	kW	3,7	8,4	3,7	9,7	6,0	14,7	9,3	20,5	9,3	23,2	
Absorbed power with pumps on board	kW	0,7	1,9	0,7	2,2	1,3	3,3	1,9	4,7	1,9	5,6	
EER	-	5,32	4,54	5,17	4,41	4,63	4,42	4,96	4,34	4,96	4,13	
COOLING A35 / W7												
Cooling Power	kW	2,6	5,9	2,6	6,9	4,2	10,5	6,4	14,6	6,4	16,5	
Absorbed power with pumps on board	kW	0,7	1,8	0,7	2,1	1,3	3,1	1,8	4,4	1,8	5,2	
EER	-	3,67	3,35	3,56	3,24	3,24	3,35	3,55	3,30	3,55	3,19	
HEATING A7 / W35												
Heating Power	kW	3,4	8,2	3,4	9,4	5,3	14,1	8,3	19,8	8,3	22,5	
Absorbed power with pumps on board	kW	0,6	1,5	0,7	1,8	1,2	2,8	1,6	3,8	1,6	4,4	
COP	-	5,39	5,38	5,08	5,14	4,52	5,03	5,08	5,23	5,08	5,08	
HEATING A-5 / W35												
Heating Power	kW	2,4	5,8	2,4	6,7	3,9	10,0	6,0	14,2	6,0	16,4	
Absorbed power with pumps on board	kW	0,6	1,5	0,7	1,8	1,2	2,7	1,6	3,6	1,6	4,2	
COP	-	3,79	3,88	3,58	3,72	3,29	3,74	3,69	3,91	3,69	3,90	
DOMESTIC HOT WATER A7 / W65												
Heating Power	kW	2,9	6,7	2,9	7,7	4,5	11,5	7,0	16,4	7,0	18,8	
Absorbed power with pumps on board	kW	1,1	2,4	1,2	2,9	2,0	4,3	2,7	6,0	2,7	6,8	
COP	-	2,55	2,73	2,47	2,69	2,34	2,66	2,56	2,74	2,56	2,75	
DOMESTIC HOT WATER A-5 / W65												
Heating Power	kW	2,2	4,9	2,2	5,6	3,5	8,4	5,2	12,0	5,2	13,8	
Absorbed power with pumps on board	kW	1,1	2,3	1,1	2,7	1,8	4,0	2,6	5,6	2,6	6,4	
COP	-	1,97	2,13	1,91	2,09	1,88	2,10	2,05	2,16	2,05	2,16	
COOLING + DOMESTIC HOT WATER W23/18 W60/65 (total recovery version)												
Cooling Power	kW	2,6	6,3	2,6	7,2	4,2	10,9	6,6	15,7	6,6	18,0	
Heating Power	kW	3,7	8,7	3,7	10,1	5,9	15,0	9,1	21,5	9,1	24,7	
Absorbed power with pumps on board	kW	1,1	2,5	1,1	3,0	1,7	4,3	2,6	6,1	2,6	7,1	
COP Total	-	5,65	5,92	5,65	5,85	5,78	6,01	6,01	6,08	6,01	6,04	
EFFICIENCY												
SEER	-	5,18		5,13		4,95		5,04		5,05		
SCOP low temperature	-	5,28		4,93		4,46		5,23		5,19		
SCOP high temperature	-	4,20		4,07		3,77		4,15		4,21		
Low temperature ERP efficiency class	-	A+++		A+++		A+++		A+++		A+++		
Lp Sound Pressure Level @10m EN3744	dB(A)	17	22	22	26	29	32	29	32	30	33	
Refrigerant charge	kg	1,20		1,30		1,70		1,80		2,00		
CO ₂ equivalent	t	0,00364		0,00388		0,00507		0,00534		0,00588		
DHW production profile	-	A+/L										
COMPRESSOR												
Compressor type	-	Scroll BLDC Inverter										
Fan type	-	EC FAN										
Electrical power supply	-	230 / 1+N / 50 (optional 400V)						400 / 3+N / 50				
FLA Total	A	16		18		24		19		19		
DIMENSIONS AND WEIGHT												
Length x Width x Height	mm	1200 x 645 x 1545										
Weight	kg	179		179		219		222		222		

Data calculated with reference to the standards of
UNI EN 14511 and EN 14825;
and EN 3744 for acoustic performance



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