



Y-VHA-P2.168.2-HP – Y-VHA-P2.229.2-HP

REVERSIBLE AIR-WATER HEAT PUMP

**HEATING CAPACITY**

134 kW – 171 kW

**COOLING CAPACITY**

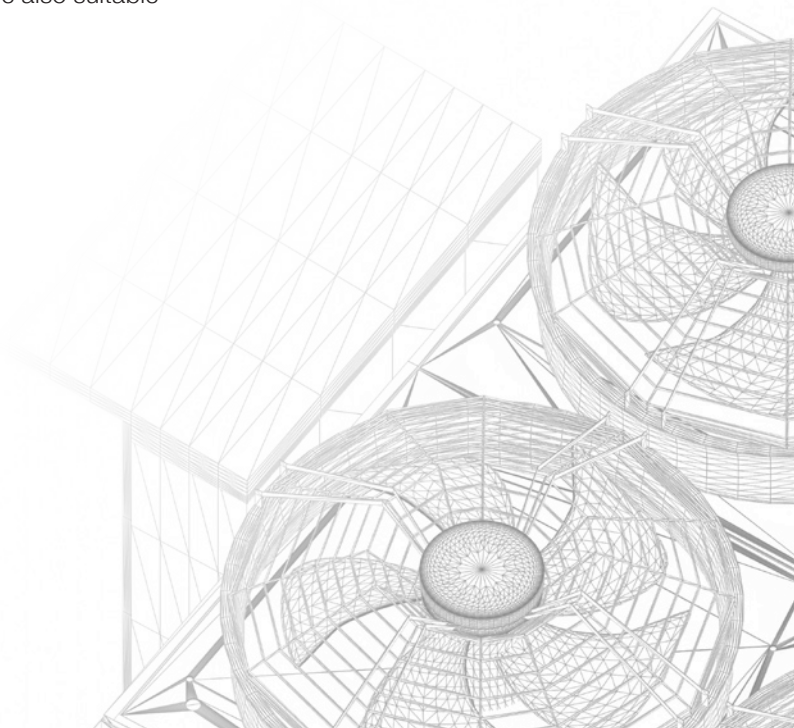
113 kW – 136 kW

**R290**

REVERSIBLE AIR-WATER HEAT PUMP

The reversible air-water heat pumps impress with their efficient performance in a wide range of operating conditions. They can heat buildings or systems in winter, for example, and cool them in summer, thus reliably covering varying base loads throughout the year. Thanks to their low-noise design, they are also suitable for outdoor installation in densely built-up areas.

- ✓ Semi-hermetic reciprocating compressor
- ✓ Optional inverter for compressors
- ✓ EC fans
- ✓ Noise-reduced design
- ✓ PLC control



TECHNICAL DATA

REVERSIBLE AIR-WATER HEAT PUMP

Y-VHA-P2.168.2-HP Y-VHA-P1.196.2-HP Y-VHA-P2.196.2-HP Y-VHA-P2.229.2-HP

Dimensions and weight

	mm	3.800 x 1.050 x 2.430	3.800 x 1.050 x 2.430	3.800 x 1.050 x 2.430	3.800 x 1.050 x 2.430
Dimensions (LxWxH)					
Shipping weight	kg	1.871	1.901	1.901	2.000
Operation weight	kg	1.910	1.950	1.950	2.049

Performance data (heating)

Heating capacity (A7/W35)	kW	134,0	146,0	147,0	171,0
Electrical power consumption compressor	kW	31,0	32,2	33,7	37,9
COP	-	4,01	3,97	3,91	4,03
$\eta_{s,h}$ (LT)	%	145	144	141	146

Performance data (cooling)

Cooling capacity (A35/W7)	kW	113,0	136,0	133,0	155,0
Electrical power consumption compressor	kW	38,8	41,8	41,5	50,5
EER	-	2,77	2,97	2,92	2,84
$\eta_{s,c}$	%	147	157	156	153

General data

Refrigerant	pcs.	Propane	Propane	Propane	Propane
Compressor	pcs.	2	2	2	2
Type	-	Reciprocating semi-hermetic	Reciprocating semi-hermetic	Reciprocating semi-hermetic	Reciprocating semi-hermetic
Capacity control	-	4-level	3-level	4-level	4-level
Refrigeration circuits	pcs.	2	1	2	2
Refrigerant charge	kg	15,80	19,20	18,40	19,80
Fan	pcs.	3	3	3	3
Type	-	Axial, EC	Axial, EC	Axial, EC	Axial, EC

Noise emissions

Sound power level	dB (A)	82	85	85	85
Sound pressure level at 10 m	dB (A)	50	53	53	53