



Y-VHA-P1.71.2-HP – Y-VHA-P2.142.2-HP

**REVERSIBLE
AIR-WATER HEAT PUMP****HEATING CAPACITY**

65 kW – 113 kW

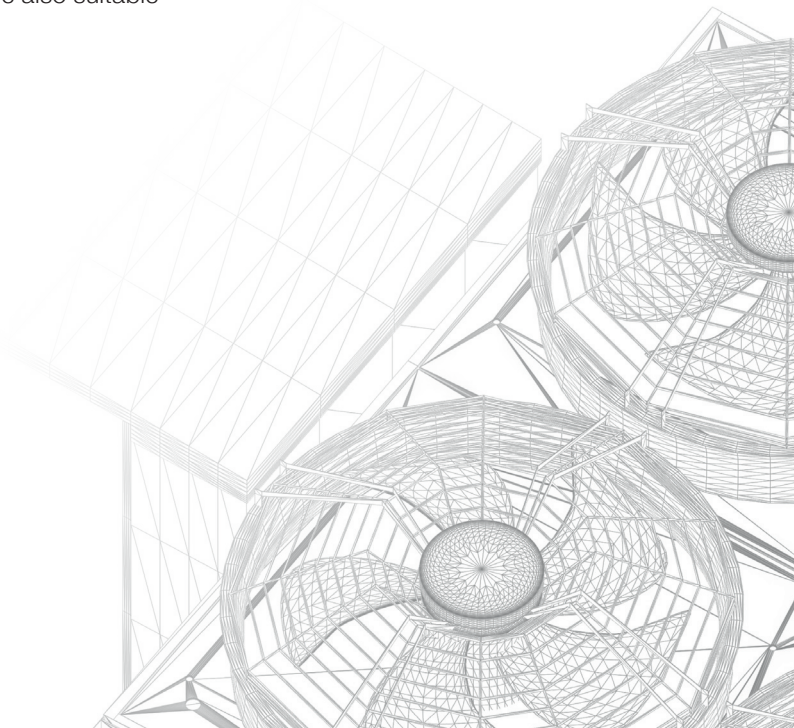
**COOLING CAPACITY**

58 kW – 99 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-P1.71.2-HP Y-VHA-P1.84.2-HP Y-VHA-P1.103.2-HP Y-VHA-P2.104.2-HP

Dimensions and weight

	mm	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430
Dimensions (LxWxH)	mm	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430
Shipping weight	kg	1.177	1.204	1.233	1.300
Operation weight	kg	1.200	1.231	1.260	1.350

Performance data (heating)

Heating capacity (A7/W35)	kW	65,8	76,5	86,3	92,3
Electrical power consumption compressor	kW	14,5	15,9	19,6	19,4
COP	-	4,01	4,25	4,09	4,21
$\eta_{s,h}$ (LT)	%	148	154	149	-

Performance data (cooling)

Cooling capacity (A35/W7)	kW	58,2	68,1	78,5	81,8
Electrical power consumption compressor	kW	17,5	20,4	24,2	24,9
EER	-	3,10	3,15	3,05	2,97
$\eta_{s,c}$	%	155	163	150	149

General data

Refrigerant	pcs.	Propane	Propane	Propane	Propane
Compressor	pcs.	1	1	1	2
Type	-	Reciprocating semi-hermetic	Reciprocating semi-hermetic	Reciprocating semi-hermetic	Reciprocating semi-hermetic
Capacity control	-	Inverter	Inverter	Inverter	Inverter
Refrigeration circuits	pcs.	1	1	1	2
Refrigerant charge	kg	8,02	8,79	11,70	12,80
Fan	pcs.	2	2	2	2
Type	-	Axial, EC	Axial, EC	Axial, EC	Axial, EC

Noise emissions

Sound power level	dB (A)	80	80	80	83
Sound pressure level at 10 m	dB (A)	48	48	48	51

TECHNICAL DATA

REVERSIBLE AIR-WATER HEAT PUMP

Y-VHA-P2.118.2-HP

Y-VHA-P2.130.2-HP

Y-VHA-P2.142.2-HP

Dimensions and weight

		Y-VHA-P2.118.2-HP	Y-VHA-P2.130.2-HP	Y-VHA-P2.142.2-HP
Dimensions (LxWxH)	mm	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430	2.750 x 1.050 x 2.430
Shipping weight	kg	1.439	1.530	1.554
Operation weight	kg	1.461	1.568	1.591

Performance data (heating) 🔥

Heating capacity (A7/W35)	kW	99,2	107,0	113,0
Electrical power consumption compressor	kW	20,8	23,0	24,4
COP	-	4,19	4,15	4,14
$\eta_{s,h}$ (LT)	%	-	150	148

Performance data (cooling) ❄️

Cooling capacity (A35/W7)	kW	86,8	92,9	99,4
Electrical power consumption compressor	kW	26,6	29,1	31,8
EER	-	2,97	2,94	2,89
$\eta_{s,c}$	%	149	158	154

General data

Refrigerant	pcs.	Propane	Propane	Propane
Compressor	pcs.	2	2	2
Type	-	Reciprocating semi-hermetic	Reciprocating semi-hermetic	Reciprocating semi-hermetic
Capacity control	-	4-level	4-level	4-level
Refrigeration circuits	pcs.	2	2	2
Refrigerant charge	kg	12,80	12,00	12,40
Fan	pcs.	2	2	2
Type	-	Axial, EC	Axial, EC	Axial, EC

Noise emissions

Sound power level	dB (A)	83	83	83
Sound pressure level at 10 m	dB (A)	51	51	51