



Y-VHA-P1.52.2-HP – Y-VHA-P1.59.2-HP

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

45 kW – 53 kW

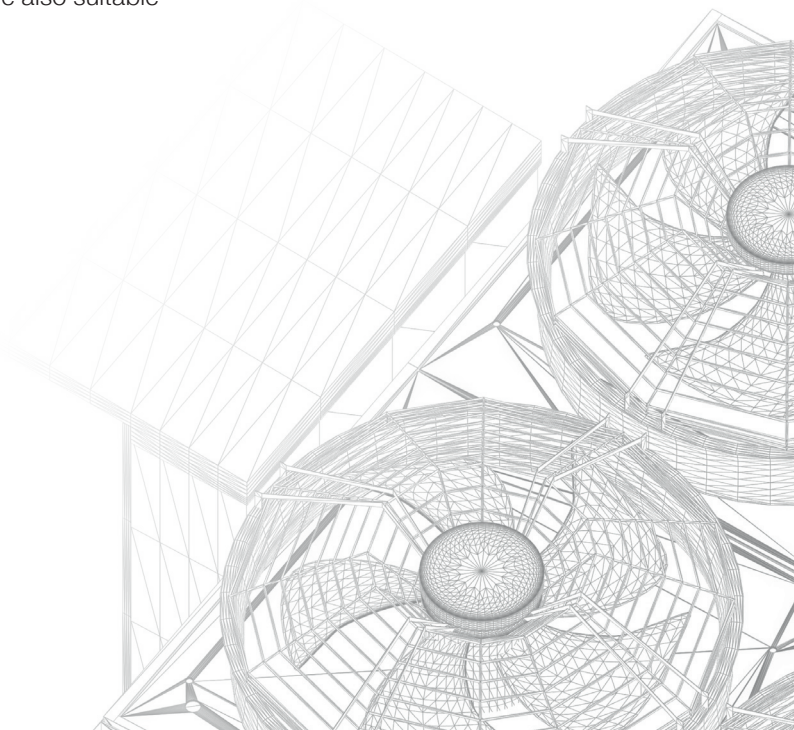
**COOLING CAPACITY**

40 kW – 49 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-P1.52.2-HP


## Y-VHA-P1.59.2-HP

**Dimensions and weight**

|                    |    | Y-VHA-P1.52.2-HP      | Y-VHA-P1.59.2-HP      |
|--------------------|----|-----------------------|-----------------------|
| Dimensions (LxWxH) | mm | 1.700 x 1.050 x 2.430 | 1.700 x 1.050 x 2.430 |
| Shipping weight    | kg | 920                   | 920                   |
| Operation weight   | kg | 943                   | 943                   |

**Performance data (heating)** 

|   |    |      |      |
|---|----|------|------|
| Heating capacity (A7/W35)               | kW | 45,4 | 53,1 |
| Electrical power consumption compressor | kW | 9,6  | 11,4 |
| COP                                     | -  | 4,09 | 4,08 |
| $\eta$ s,h (LT)                         | %  | 148  | 150  |

**Performance data (cooling)** 

|   |    |      |      |
|---|----|------|------|
| Cooling capacity (A35/W7)               | kW | 40,9 | 49,4 |
| Electrical power consumption compressor | kW | 12,7 | 14,9 |
| EER                                     | -  | 2,90 | 3,03 |
| $\eta$ s,c                              | %  | 153  | 150  |

**General data**

|                        |      |                             |                             |
|------------------------|------|-----------------------------|-----------------------------|
| Refrigerant            | pcs. | Propane                     | Propane                     |
| Compressor             | pcs. | 1                           | 1                           |
| Type                   | -    | Reciprocating semi-hermetic | Reciprocating semi-hermetic |
| Capacity control       | -    | Inverter                    | Inverter                    |
| Refrigeration circuits | pcs. | 1                           | 1                           |
| Refrigerant charge     | kg   | 6,39                        | 6,39                        |
| Fan                    | pcs. | 1                           | 1                           |
| Type                   | -    | Axial, EC                   | Axial, EC                   |

**Noise emissions**

|                              |        |    |    |
|------------------------------|--------|----|----|
| Sound power level            | dB (A) | 80 | 80 |
| Sound pressure level at 10 m | dB (A) | 48 | 48 |