

# HYPER POWER INVERTER SERIES

FOR HEATING OR  
COOLING AND DHW



0°C ... +43°C



-30°C ... +43°C



R290  
FREON



## TECHNICAL PARAMETERS

|                                                         |                   |         | CH-HP15UIIMPZM-H            | CH-HP22UIIMPZM-H |
|---------------------------------------------------------|-------------------|---------|-----------------------------|------------------|
| Heating Capacity Range                                  |                   | kW      | 4.3-18.7                    | 4.5-23.4         |
| Heating Power Input Range                               |                   | kW      | 0.7-4.5                     | 0.9-5.5          |
| Cooling Capacity Range                                  |                   | kW      | 3.8-13.8                    | 5.0-20.0         |
| Cooling Power Input Range                               |                   | kW      | 0.8-5.5                     | 1.0-6.5          |
| Max. power input                                        |                   | kW      | 8                           | 8.5              |
| Max. current input                                      |                   | A       | 12                          | 15               |
| Power supply                                            |                   | V/ph/Hz | 380-415/3/50                |                  |
| Compressor quantity                                     |                   | -       | 1                           | 1                |
| Compressor Type                                         |                   | -       | Rotary                      |                  |
| Fan Type                                                |                   | -       | DC                          |                  |
| Rated air flow                                          |                   | m³/h    | 5000                        | 6000             |
| Sound pressure level (1m)                               |                   | dB(A)   | 40                          | 42               |
| Condenser Type                                          |                   | -       | Brazen plate heat exchanger |                  |
| Water flow                                              |                   | m³/h    | 2.06                        | 2.92             |
| Water Pressure Drop                                     |                   | kPa     | 22                          | 52               |
| Circulation Pump Water Head                             |                   | m       | 3                           | 5                |
| Piping connection                                       |                   | inch    | 1" Female                   |                  |
| Refrigerant charge volume                               |                   | kg      | 1.2                         | 1.7              |
| Max outlet heating water temperature                    |                   | °C      | 75                          |                  |
| Operating ambient temp. range (heating)                 |                   | °C      | -30-43                      |                  |
| Operating ambient temp. range (DHW)                     |                   | °C      | -30-43                      |                  |
| Operating ambient temp. range (cooling)                 |                   | °C      | 10-43                       |                  |
| Weight                                                  | Net               | kg      | 214                         | 275              |
|                                                         | Gross             | kg      | 224                         | 293              |
| Dimensions (W×D×H)                                      | Unit              | mm      | 1438×544×1105               | 1437×545×1524    |
|                                                         | Packing           | mm      | 1588×623×1206               | 1588×623×1622    |
| Seasonal heating energy efficiency class at 35°C / 55°C |                   | -       | A+++/A+++                   |                  |
| Heating Capacity                                        | 7°C / 35°C *      | kW      | 11.8                        | 16.89            |
|                                                         | 7°C / 55°C*       |         | 11.9                        | 17.1             |
|                                                         | -7°C / 35°C**     |         | 10.64                       | 15.34            |
|                                                         | -7°C / 55°C**     |         | 10.81                       | 15.23            |
| Energy efficiency                                       | COP 7°C / 35°C*   | W/W     | 4.83                        | 4.88             |
|                                                         | COP 7°C / 55°C*   |         | 3.28                        | 3.38             |
|                                                         | COP -7°C / 35°C** |         | 2.96                        | 3.32             |
|                                                         | COP -7°C / 55°C** |         | 2.2                         | 2.56             |
|                                                         | SCOP 7°C / 35°C** |         | 4.83                        | 5.15             |
|                                                         | SCOP 7°C / 55°C** |         | 3.86                        | 4.01             |

\*Heating capacity and energy efficiency evaluation according to EN 14511-2.

\*\*Heating capacity and energy efficiency evaluation according to EN 14825 under part load conditions and in a moderate climate.

**OVERALL DIMENSIONS**

