

- GREE
- Air to Water Heatpump
- Heatpump inverter



## Versati IV Heatpump split type type GRS-CQ4-3

- The Versati IV is an air /water DC-heating pump inverter. This heating pump is the ideal system to create a comfortable atmosphere in a house, and this while the energy consumption is reduced up to 50%, thanks to the advanced heatpump technology. Since the heat pump air/water run on electricity instead of fossil fuels, they are not harmful to the environment.

### Application

- Heating of new and renovated buildings.
- Four possibilities: low temperature radiators, fan coils, underfloor heating and sanitary hot water

### Brand

- ATC / Gree

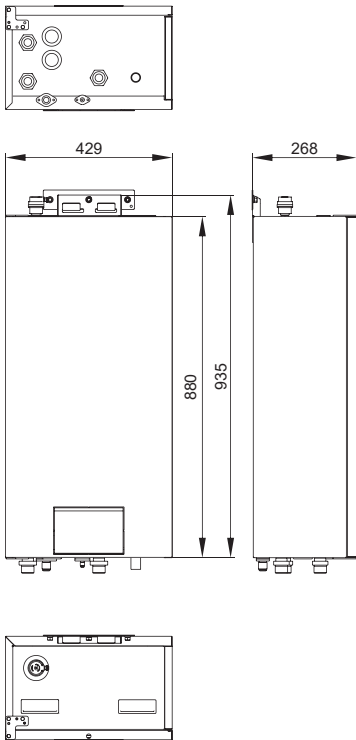
### Refrigerant

- R32

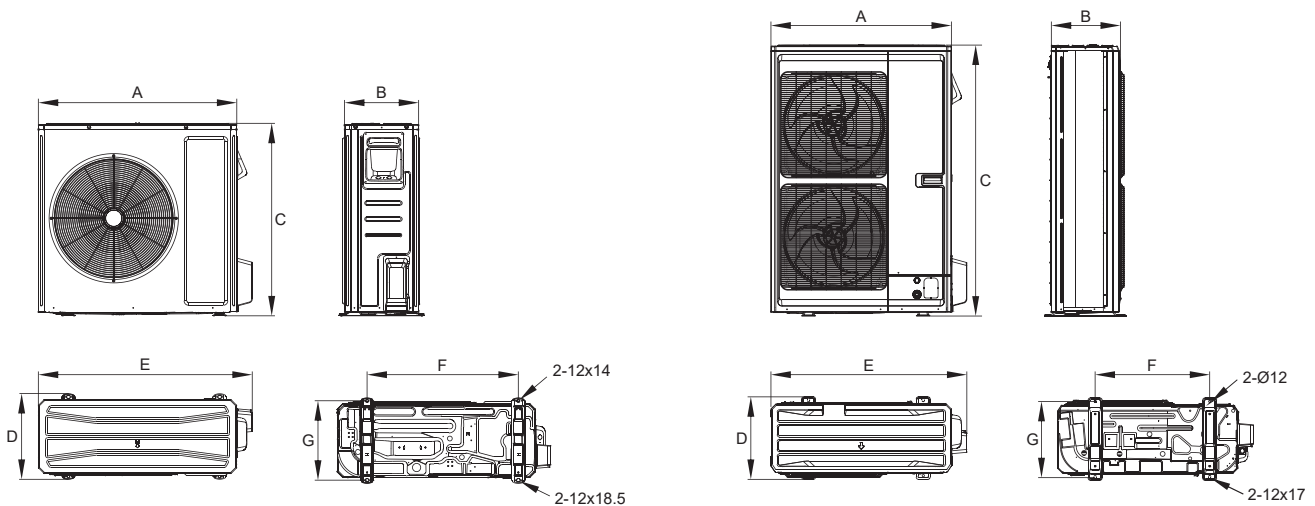
### Specifications

- Floor debugging function
- Integrated structure
- Simple installation, less installation cost
- Low GWP
- Adopt two-stage compressor to widen the ambient temperature range for heating
- Leaving water temperature up to 60°C, applicable to various heating terminals

|                     |   |                   | Technical data     |                   |                    |                    |
|---------------------|---|-------------------|--------------------|-------------------|--------------------|--------------------|
| GRS-CQ              |   |                   | GRS-CQ6.0Pd/NhH3-E | GRS-CQ10Pd/NhH3-E | GRS-CQ16Pd/NhH3-E1 | GRS-CQ16Pd/NhH3-M1 |
| Rated voltage       |   |                   | 220-240V/1Ph/50Hz  | 220-240V/1Ph/50Hz | 220-240V/1Ph/50Hz  | 380-400V/3Ph/50Hz  |
| A35W12-7            | Cooling capacity                              | kW                | 6.20               | 8.70              | 13.40              | 13.5               |
|                     | Cooling power input                           | kW                | 1.55               | 2.20              | 3.62               | 3.65               |
|                     | EER   | -                 | 3.35               | 3.25              | 2.65               | 2.65               |
| A35W23-18           | Cooling capacity                              | kW                | 6.50               | 10.20             | 14.60              | 14.9               |
|                     | Cooling power input                           | kW                | 1.24               | 2.04              | 3.21               | 3.24               |
|                     | EER   | -                 | 5.40               | 4.75              | 3.7                | 3.6                |
| A7W30-35            | Heating input                                 | kW                | 6.20               | 10.20             | 16                 | 16                 |
|                     | Heating power input                           | kW                | 1.15               | 2.15              | 4.32               | 4.44               |
|                     | COP   | -                 | 5.25               | 5.00              | 4.55               | 4.6                |
| A7W40-45            | Heating input                                 | kW                | 6.00               | 10.00             | 16                 | 16                 |
|                     | Heating power input                           | kW                | 1.79               | 3.08              | 6.04               | 6.4                |
|                     | COP   | -                 | 4.00               | 3.95              | 3.7                | 3.7                |
| A7W47-55            | Heating input                                 | kW                | 6                  | 9.50              | 15.5               | 15.5               |
|                     | Heating power input                           | kW                | 2.1                | 3.43              | 5.58               | 5.58               |
|                     | COP   | -                 | 2.85               | 2.77              | 2.78               | 2.78               |
| Seasonal efficiency | SEER  | -                 | 4.52               | 4.91              | 4.53               | 4.32               |
|                     | $\eta_{s,c}$                                  | %                 | 177.7              | 193.5             | 178                | 169.8              |
|                     | SCOP Average 55                               | -                 | 3.44               | 3.34              | 3.57               | 3.42               |
|                     | $\eta_{s,h}$ Average 55                       | %                 | 134.6              | 130.7             | 140                | 134                |
| Pump                | Pdesign Average 55                            | kW                | 6                  | 9                 | 14                 | 14                 |
|                     | Type  |                   | inverter           | inverter          | inverter           | inverter           |
|                     | Max free load at outlet and at zero flow rate | m                 | 8                  | 8                 | 9                  | 9                  |
|                     | Flow rate at $\Delta T=5^{\circ}C$            | m <sup>3</sup> /h | 1.9                | 3                 | 3                  | 3                  |
|                     | Free load at outlet at $\Delta T=5^{\circ}C$  | m                 | 7                  | 1                 | 1                  | 1                  |
| Water connections   |   |                   |                    |                   |                    |                    |
| Expansion vessel    |   |                   | L                  | 10                | 10                 | 10                 |
| Voltage             | Min. cable cross-section                      | mm <sup>2</sup>   | 3x1.5              | 3x4               | 3x6                | 5x2.5              |
|                     | Automatic fuse                                | A                 | 16                 | 25                | 40                 | 20                 |
| Dimensions          | Dimensions, W x D x H                         | mm                | 924x385x746        | 993x385x960       | 900x345x1352       | 900x345x1352       |
|                     | Weight  | kg                | 61                 | 79                | 110                | 117                |
|                     | Sound pressure, SPL                           | dB(A)             | 53                 | 56                | 58                 | 58                 |
| Refrigerant         | Type  | -                 | R32                | R32               | R32                | R32                |
|                     | Quantity                                      | kg                | 1.30               | 1.75              | 1.84               | 1.84               |



■ GRS-CQ6.0Pd/NhH3-E(I) - GRS-CQ16Pd/NhH3-M1(I)



■ GRS-CQ6.0Pd/NhH3-E(O) - GRS-CQ10Pd/NhH3-E(O)

■ GRS-CQ16Pd/NhH3-E1(O) - GRS-CQ16Pd/NhH3-M1(O)

|                       | Dimensions |           |           |           |           |           |           |
|-----------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|
|                       | A<br>[mm]  | B<br>[mm] | C<br>[mm] | D<br>[mm] | E<br>[mm] | F<br>[mm] | G<br>[mm] |
| GRS-CQ6.0Pd/NhH3-E(O) | 924        | 385       | 746       | 427       | 1000      | 610       | 397       |
| GRS-CQ10Pd/NhH3-E(O)  | 993        | 385       | 960       | 427       | 1067      | 755       | 397       |
| GRS-CQ16Pd/NhH3-E1(O) | 900        | 345       | 1352      | 412       | 977       | 572       | 378       |
| GRS-CQ16Pd/NhH3-M1(O) | 900        | 345       | 1352      | 412       | 977       | 572       | 378       |