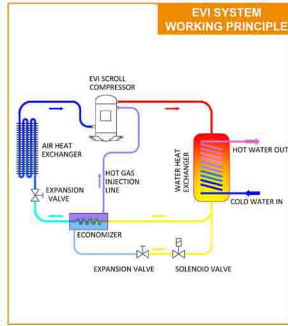


# DC Inverter Heat Pump



Solutions to Heating, Cooling & Sanitary Hot Water

Blueway DC Inverter Heat Pump has normal ambient & low ambient type, including split & monoblock type, R32 or R410a is optional, which can provide air conditioning, heating and hot water for families, apartments, small industrial sites, etc. Its core philosophy is to solve users' house heating during winter and cooling during summer, as well as domestic hot water. Additionally, it can work with solar, boiler or electric heater according to the practical condition of the heating system. For low ambient type, it can stably work under ambient temperature down -35°C. Some models have gotten ErP A++ from TUV.



## Features & Highlights

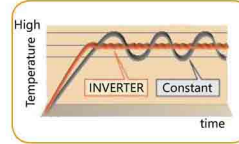


- Extended working range down to -35°C ambient (low ambient type)
- 5 modes: heating only, heating+DHW, cooling only, cooling+hot water, DHW only
- Low running costs and high efficiency
- Long-life and corrosion resistant composite cabinet stands up to severe climates
- Famous compressor ensures outstanding performance and durability
- LCD Touch screen with self-diagnostic control function
- With control output for three-way valve
- Easy operation and simple installation
- WIFI control function is optional

## Key Components

### High Energy Saving & High Power Technology

Accurate temperature control by DC inverter technology



Blueway drive inverter technology



### Intelligent Control



Inverter type

The units are supplied with micro processor based digital controller with LCD touch display. The controller is programmed to provide a maximum protection to the heat pump system and accurate temperature control. The control panel is completely factory wired with all accessories and terminals included.

### Plate Heat Exchanger

- High corrosion resistance
- High thermal efficiency
- High working temperature



### High Efficiency Compressor

- High efficiency and energy saving
- Quiet operation due to less moving parts
- Adopt famous brand rotary or scroll compressor

### High Efficiency Class A Pump

Energy saving pump with constant volume or pressure adjustment function. German Wilo or Chinese Shinoo water pump is optional.



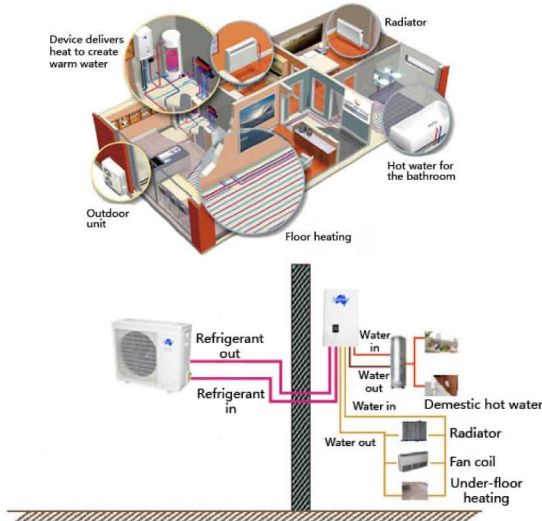
## Split Type



## Features & Highlights

- No water freezing problem with split design (water system inside the house)
- The outdoor unit is designed for anti-snow
- The indoor unit is designed for substituting traditional boilers easily, with luxurious facade

## Applications



## Monoblock Type

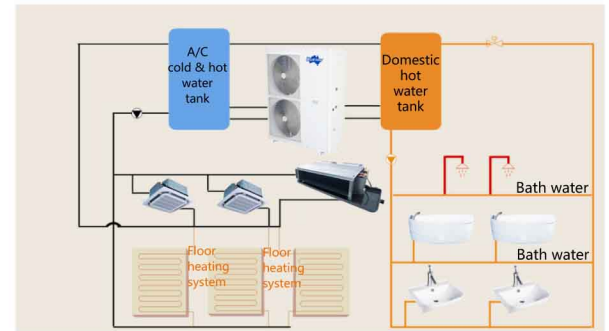


## Features & Highlights

- With classic leisure product appearance
- Compact, weather-resistant and easy to install
- All in one system to save installation space & time
- Option: built-in water pump, expansion tank & electric heater
- R32 or R410a is optional

## Applications

### The Installation Diagram





### DC Inverter HP (Normal Temp.) Split

### Technical Specifications

| Model                        |                  | DHP-09S      | DHP-12S | DHP-14S                    | DHP-16S | DHP-24S      | DHP-30S |
|------------------------------|------------------|--------------|---------|----------------------------|---------|--------------|---------|
| HP                           |                  | 3            | 4       | 5                          | 6       | 8            | 10      |
| Power supply                 | Indoor unit      | 220-240/50/1 |         | 220-240/50/1, 380-415/50/3 |         | 380-415/50/3 |         |
|                              | Outdoor unit     | V/Hz/Ph      |         | V/Hz/Ph                    |         | V/Hz/Ph      |         |
| +7°C/35°C<br>Floor heating   | Heating capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| +7°C/35°C<br>Floor heating   | Heating capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| -7°C/35°C<br>Floor heating   | Heating capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| +7°C/45°C<br>Radiators       | Heating capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| -7°C/45°C<br>Radiators       | Heating capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| +7°C/55°C<br>Hot water       | Heating capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| +35°C/7°C<br>Fan coil        | Cooling capacity | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input      | kW           |         | kW                         |         | kW           |         |
| Energy efficiency class      | Floor heating    | A++          |         | A++                        |         | A++          |         |
|                              | DHW mode         | A+           |         | A+                         |         | A+           |         |
| Heating operation range      | Ambient          | °C           |         | °C                         |         | °C           |         |
|                              | Water side       | °C           |         | °C                         |         | °C           |         |
| Cooling operation range      | Ambient          | °C           |         | °C                         |         | °C           |         |
|                              | Water side       | °C           |         | °C                         |         | °C           |         |
| Domestic hot water operation | Ambient          | °C           |         | °C                         |         | °C           |         |
|                              | Water side       | °C           |         | °C                         |         | °C           |         |
| Rated water flow rate        | Water side       | m³/h         |         | m³/h                       |         | m³/h         |         |
|                              | Water side       | m³/h         |         | m³/h                       |         | m³/h         |         |
| Rated pressure drop          | Water side       | kPa          |         | kPa                        |         | kPa          |         |
|                              | Water side       | kPa          |         | kPa                        |         | kPa          |         |
| Max. working pressure        | Refrigerant      | Bar          |         | Bar                        |         | Bar          |         |
|                              | Water            | Bar          |         | Bar                        |         | Bar          |         |
| Controller                   | Type             | -            |         | -                          |         | -            |         |
|                              | Material         | -            |         | -                          |         | -            |         |
| External cabinet             | Type             | -            |         | -                          |         | -            |         |
|                              | Material         | -            |         | -                          |         | -            |         |
| Compressor                   | Type             | -            |         | -                          |         | -            |         |
|                              | Qty.             | -            |         | -                          |         | -            |         |
| Water heat exchanger         | Electric heater  | -            |         | -                          |         | -            |         |
|                              | Water pump       | -            |         | -                          |         | -            |         |
| Expansion tank               | Water            | -            |         | -                          |         | -            |         |
|                              | Water            | -            |         | -                          |         | -            |         |
| Noise level                  | Indoor Unit      | dB(A)        |         | dB(A)                      |         | dB(A)        |         |
|                              | Outdoor Unit     | dB(A)        |         | dB(A)                      |         | dB(A)        |         |
| Net dimension (W*D*H)        | Indoor Unit      | mm           |         | mm                         |         | mm           |         |
|                              | Outdoor Unit     | mm           |         | mm                         |         | mm           |         |
| Net weight                   | Indoor Unit      | kg           |         | kg                         |         | kg           |         |
|                              | Outdoor Unit     | kg           |         | kg                         |         | kg           |         |

**Notes:**

- The values of heating/cooling capacity/power input/COE/PEER are based on measurement of EN14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values;
  - Sound pressure level measured at distance of 1m from the device;
  - For wall-mounted type, the compressor is located in the outdoor unit;
- Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.



### DC Inverter HP (Normal Temp.) Monoblock

### Technical Specifications

| Model                        |                            | DHP-09M      | DHP-12M | DHP-14M                    | DHP-16M | DHP-24M      | DHP-30M |
|------------------------------|----------------------------|--------------|---------|----------------------------|---------|--------------|---------|
| HP                           |                            | 3            | 4       | 5                          | 6       | 8            | 10      |
| Power supply                 | Indoor unit                | 220-240/50/1 |         | 220-240/50/1, 380-415/50/3 |         | 380-415/50/3 |         |
|                              | Outdoor unit               | V/Hz/Ph      |         | V/Hz/Ph                    |         | V/Hz/Ph      |         |
| +7°C/35°C<br>Floor heating   | Heating capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| +7°C/35°C<br>Floor heating   | Heating capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| -7°C/35°C<br>Floor heating   | Heating capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| +7°C/45°C<br>Radiators       | Heating capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| -7°C/45°C<br>Radiators       | Heating capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| +7°C/55°C<br>Hot water       | Heating capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| +35°C/7°C<br>Fan coil        | Cooling capacity           | kW/h         |         | kW/h                       |         | kW/h         |         |
|                              | Power input                | kW           |         | kW                         |         | kW           |         |
| Energy efficiency class      | Floor heating              | A++          |         | A++                        |         | A++          |         |
|                              | DHW mode                   | A+           |         | A+                         |         | A+           |         |
| Heating operation range      | Ambient                    | °C           |         | °C                         |         | °C           |         |
|                              | Water side                 | °C           |         | °C                         |         | °C           |         |
| Cooling operation range      | Ambient                    | °C           |         | °C                         |         | °C           |         |
|                              | Water side                 | °C           |         | °C                         |         | °C           |         |
| Domestic hot water operation | Ambient                    | °C           |         | °C                         |         | °C           |         |
|                              | Water side                 | °C           |         | °C                         |         | °C           |         |
| Rated water flow rate        | Water side                 | m³/h         |         | m³/h                       |         | m³/h         |         |
|                              | Water side                 | m³/h         |         | m³/h                       |         | m³/h         |         |
| Rated pressure drop          | Water side                 | kPa          |         | kPa                        |         | kPa          |         |
|                              | Water side                 | kPa          |         | kPa                        |         | kPa          |         |
| Max. working pressure        | Refrigerant                | Bar          |         | Bar                        |         | Bar          |         |
|                              | Water                      | Bar          |         | Bar                        |         | Bar          |         |
| Controller                   | Type                       | -            |         | -                          |         | -            |         |
|                              | Material                   | -            |         | -                          |         | -            |         |
| External cabinet             | Type                       | -            |         | -                          |         | -            |         |
|                              | Material                   | -            |         | -                          |         | -            |         |
| Compressor                   | Type                       | -            |         | -                          |         | -            |         |
|                              | Qty.                       | -            |         | -                          |         | -            |         |
| Water heat exchanger         | Electric heater (optional) | -            |         | -                          |         | -            |         |
|                              | Water pump (optional)      | -            |         | -                          |         | -            |         |
| Expansion tank (optional)    | Water                      | -            |         | -                          |         | -            |         |
|                              | Water                      | -            |         | -                          |         | -            |         |
| Noise level                  | Indoor Unit                | dB(A)        |         | dB(A)                      |         | dB(A)        |         |
|                              | Outdoor Unit               | dB(A)        |         | dB(A)                      |         | dB(A)        |         |
| Net dimension (W*D*H)        | Indoor Unit                | mm           |         | mm                         |         | mm           |         |
|                              | Outdoor Unit               | mm           |         | mm                         |         | mm           |         |
| Net weight                   | Indoor Unit                | kg           |         | kg                         |         | kg           |         |
|                              | Outdoor Unit               | kg           |         | kg                         |         | kg           |         |

- The values of heating/cooling capacity/power input/COE/PEER are based on measurement of EN14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values;
  - Sound pressure level measured at distance of 1m from the device;
  - If local ambient temperature will be below 0 °C in winter, please use an approved antifreeze solution;
- Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.



DC Inverter HP (Low Ambient Temp.) Split

Technical Specifications

|                              | Model             |  | EDHP-09S                   | EDHP-12S      | EDHP-14S      | EDHP-16S      | EDHP-24S    | EDHP-30S |
|------------------------------|-------------------|--|----------------------------|---------------|---------------|---------------|-------------|----------|
|                              | HP                |  | 3                          | 4             | 5             | 6             | 8           | 10       |
| Power supply                 | Indoor unit       | V/Hz/Ph  | 220-240/50/1, 380-415/50/3 |               |               | 380-415/50/3  |             |          |
|                              | Outdoor unit      | V/Hz/Ph  | 220-240/50/1, 380-415/50/3 |               |               | 380-415/50/3  |             |          |
| +7°C/35°C<br>Floor heating   | Heating capacity  | kW/h   | 9                          | 12            | 14            | 16            | 24          | 30       |
|                              | Power input       | kW   | 2                          | 2.64          | 3.04          | 3.5           | 5.4         | 7.3      |
|                              | COP               | -  | 4.5                        | 4.55          | 4.6           | 4.56          | 4.45        | 4.1      |
| +12°C/35°C<br>Floor heating  | Heating capacity  | kW/h   | 8.5                        | 11.3          | 12.5          | 14.3          | 21.7        | 28       |
|                              | Power input       | kW   | 2.18                       | 2.8           | 3.13          | 3.7           | 5.5         | 7.2      |
|                              | COP               | -  | 3.9                        | 4.05          | 4.0           | 3.92          | 4.0         | 3.9      |
| -7°C/35°C<br>Floor heating   | Heating capacity  | kW/h   | 7.1                        | 9.5           | 11            | 13            | 18.9        | 24       |
|                              | Power input       | kW   | 2.4                        | 3.15          | 3.61          | 4.4           | 6.52        | 8        |
|                              | COP               | -  | 2.96                       | 3.02          | 3.05          | 2.95          | 2.9         | 3        |
| +7°C/45°C<br>Radiators       | Heating capacity  | kW/h   | 8.5                        | 11.5          | 13            | 15            | 20.6        | 29       |
|                              | Power input       | kW   | 2.4                        | 3.2           | 3.6           | 4.41          | 5.9         | 8.5      |
|                              | COP               | -  | 3.54                       | 3.6           | 3.62          | 3.4           | 3.5         | 3.4      |
| -7°C/45°C<br>Radiators       | Heating capacity  | kW/h   | 6.8                        | 9             | 10.2          | 12.5          | 18.0        | 22       |
|                              | Power input       | kW   | 2.9                        | 3.75          | 4.23          | 5.2           | 7.6         | 9.6      |
|                              | COP               | -  | 2.34                       | 2.4           | 2.41          | 2.4           | 2.37        | 2.3      |
| +7°C/55°C<br>Hot water       | Heating capacity  | kW/h   | 6                          | 11            | 12            | 14            | 20          | 24       |
|                              | Power input       | kW   | 2.26                       | 3.73          | 4             | 4.91          | 7.1         | 9.2      |
|                              | COP               | -  | 2.65                       | 2.95          | 3             | 2.85          | 2.8         | 2.6      |
| -12°C/41°C<br>Floor heating  | Heating capacity  | kW/h   | 6                          | 9.5           | 10.5          | 11.5          | 17.8        | 22       |
|                              | Power input       | kW   | 2.6                        | 4.04          | 4.5           | 5.1           | 7.74        | 9.6      |
|                              | COP               | -  | 2.3                        | 2.35          | 2.36          | 2.26          | 2.3         | 2.3      |
| +35°C/7°C<br>Fan coil        | Cooling capacity  | kW/h   | 7                          | 10            | 11            | 13            | 20          | 24       |
|                              | Power input       | kW   | 2.6                        | 3.6           | 3.95          | 4.81          | 7.25        | 9.2      |
|                              | EEER              | -  | 2.7                        | 2.8           | 2.8           | 2.7           | 2.76        | 2.6      |
| Energy efficiency class      | Floor heating     | -  | A++                        | A++           | A++           | A++           | A+          | A+       |
|                              | DHW mode          | -  | A+                         | A+            | A+            | A+            | A+          | A+       |
| Heating operation range      | Ambient           | °C   | -25~25                     |               |               |               |             |          |
|                              | Water side        | °C   | 18~60                      |               |               |               |             |          |
| Cooling operation range      | Ambient           | °C   | 10~43                      |               |               |               |             |          |
|                              | Water side        | °C   | 7~22                       |               |               |               |             |          |
| Domestic hot water operation | Ambient           | °C   | -25~35                     |               |               |               |             |          |
|                              | Water side        | °C   | 25~60                      |               |               |               |             |          |
| Rated water flow rate        | m <sup>3</sup> /h | 1.5  | 2.1                        | 2.4           | 2.8           | 4.1           | 5.2         |          |
| Rated pressure drop          | kPa               | 30   | 40                         | 45            | 45            | 40            | 47          |          |
| Max. working pressure        | Refrigerant       | Bar  | 44                         | 44            | 44            | 44            | 44          |          |
|                              | Water             | Bar  | 7                          | 7             | 7             | 7             | 7           |          |
| Controller                   | -                 | Micro processor based digital wire controller with LCD display |                            |               |               |               |             |          |
| External cabinet             | -                 | Galvanized steel with powder coating                           |                            |               |               |               |             |          |
| Compressor                   | Type              | -  | Rotary                     |               |               | Rotary/Scroll |             |          |
|                              | Qty.              | Nos.   | 1                          | 1             | 1             | 1             | 1           | 1        |
| Refrigerant                  | -                 | R32/R410a  |                            |               |               |               |             |          |
| Water heat exchanger         | -                 | SUS 316 Brazed plate heat exchanger                            |                            |               |               |               |             |          |
| Electric heater              | kW                | 3/6  |                            |               | 6             |               |             |          |
| Expansion tank               | L                 | DC type, Wilo/Shinwoo  |                            |               | Shinwoo       |               |             |          |
| Water                        | Inlet&Outlet      | Inch   | 1"                         | 1"            | 1"            | 1"            | 1"          | 1-1/4"   |
|                              | Indoor Unit       | dB(A)  | 42                         | 42            | 42            | 42            | 42          | 42       |
| Noise level (W*DPH)          | Outdoor Unit      | dB(A)  | 52                         | 56            | 56            | 58            | 59          | 61       |
|                              | Indoor Unit       | mm   | 522*296*863.5              | 522*296*863.5 | 522*296*863.5 | 522*296*863.5 | 602*308*880 |          |
| Net weight                   | Indoor Unit       | kg   | 55                         | 55            | 55            | 55            | 55          | 70       |
|                              | Outdoor Unit      | kg   | 58                         | 90            | 90            | 100           | 120         | 175      |

Notes:

- The values of heating/cooling capacity/power input/COPEER are based on measurement of EN14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values;
  - Sound pressure level measured at distance of 1m from the device;
  - For wall-mounted type, the compressor is located in the outdoor units.
- Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.



DC Inverter HP (Low Ambient Temp.) Monoblock

Technical Specifications

|                              | Model             |  | EDHP-09M                   | EDHP-12M      | EDHP-14M      | EDHP-16M      | EDHP-24M    | EDHP-30M |
|------------------------------|-------------------|--|----------------------------|---------------|---------------|---------------|-------------|----------|
|                              | HP                |  | 3                          | 4             | 5             | 6             | 8           | 10       |
| Power supply                 | Indoor unit       | V/Hz/Ph  | 220-240/50/1               |               |               | 380-415/50/3  |             |          |
|                              | Outdoor unit      | V/Hz/Ph  | 220-240/50/1, 380-415/50/3 |               |               | 380-415/50/3  |             |          |
| +7°C/35°C<br>Floor heating   | Heating capacity  | kW/h   | 9                          | 12            | 14            | 16            | 24          | 30       |
|                              | Power input       | kW   | 2                          | 2.64          | 3.04          | 3.5           | 5.4         | 7.3      |
|                              | COP               | -  | 4.5                        | 4.55          | 4.6           | 4.56          | 4.45        | 4.1      |
| +12°C/35°C<br>Floor heating  | Heating capacity  | kW/h   | 8.5                        | 11.3          | 12.5          | 14.3          | 21.7        | 28       |
|                              | Power input       | kW   | 2.18                       | 2.8           | 3.13          | 3.7           | 5.5         | 7.2      |
|                              | COP               | -  | 3.9                        | 4.05          | 4.0           | 3.92          | 4.0         | 3.9      |
| -7°C/35°C<br>Floor heating   | Heating capacity  | kW/h   | 7.1                        | 9.5           | 11            | 13            | 18.9        | 24       |
|                              | Power input       | kW   | 2.4                        | 3.15          | 3.61          | 4.4           | 6.52        | 8        |
|                              | COP               | -  | 2.96                       | 3.02          | 3.05          | 2.95          | 2.9         | 3        |
| +7°C/45°C<br>Radiators       | Heating capacity  | kW/h   | 8.5                        | 11.5          | 13            | 15            | 20.6        | 29       |
|                              | Power input       | kW   | 2.4                        | 3.2           | 3.6           | 4.41          | 5.9         | 8.5      |
|                              | COP               | -  | 3.54                       | 3.6           | 3.62          | 3.4           | 3.5         | 3.4      |
| -7°C/45°C<br>Radiators       | Heating capacity  | kW/h   | 6.8                        | 9             | 10.2          | 12.5          | 18.0        | 22       |
|                              | Power input       | kW   | 2.9                        | 3.75          | 4.23          | 5.2           | 7.6         | 9.6      |
|                              | COP               | -  | 2.34                       | 2.4           | 2.41          | 2.4           | 2.37        | 2.3      |
| +7°C/55°C<br>Hot water       | Heating capacity  | kW/h   | 6                          | 11            | 12            | 14            | 20          | 24       |
|                              | Power input       | kW   | 2.26                       | 3.73          | 4             | 4.91          | 7.1         | 9.2      |
|                              | COP               | -  | 2.65                       | 2.95          | 3             | 2.85          | 2.8         | 2.6      |
| -12°C/41°C<br>Floor heating  | Heating capacity  | kW/h   | 6                          | 9.5           | 10.5          | 11.5          | 17.8        | 22       |
|                              | Power input       | kW   | 2.6                        | 4.04          | 4.5           | 5.1           | 7.74        | 9.6      |
|                              | COP               | -  | 2.3                        | 2.35          | 2.36          | 2.26          | 2.3         | 2.3      |
| +35°C/7°C<br>Fan coil        | Cooling capacity  | kW/h   | 7                          | 10            | 11            | 13            | 20          | 24       |
|                              | Power input       | kW   | 2.6                        | 3.6           | 3.95          | 4.81          | 7.25        | 9.2      |
|                              | EEER              | -  | 2.7                        | 2.8           | 2.8           | 2.7           | 2.76        | 2.6      |
| Energy efficiency class      | Floor heating     | -  | A++                        | A++           | A++           | A++           | A+          | A+       |
|                              | DHW mode          | -  | A+                         | A+            | A+            | A+            | A+          | A+       |
| Heating operation range      | Ambient           | °C   | -25~25                     |               |               |               |             |          |
|                              | Water side        | °C   | 18~60                      |               |               |               |             |          |
| Cooling operation range      | Ambient           | °C   | 10~43                      |               |               |               |             |          |
|                              | Water side        | °C   | 7~22                       |               |               |               |             |          |
| Domestic hot water operation | Ambient           | °C   | -25~35                     |               |               |               |             |          |
|                              | Water side        | °C   | 25~60                      |               |               |               |             |          |
| Rated water flow rate        | m <sup>3</sup> /h | 1.5  | 2.1                        | 2.4           | 2.8           | 4.1           | 5.2         |          |
| Rated pressure drop          | kPa               | 30   | 40                         | 45            | 45            | 40            | 47          |          |
| Max. working pressure        | Refrigerant       | Bar  | 44                         | 44            | 44            | 44            | 44          |          |
|                              | Water             | Bar  | 7                          | 7             | 7             | 7             | 7           |          |
| Controller                   | -                 | Micro processor based digital wire controller with LCD display |                            |               |               |               |             |          |
| External cabinet             | -                 | Galvanized steel with powder coating                           |                            |               |               |               |             |          |
| Compressor                   | Type              | -  | Rotary                     |               |               | Rotary/Scroll |             |          |
|                              | Qty.              | Nos.   | 1                          | 1             | 1             | 1             | 1           | 1        |
| Refrigerant                  | -                 | R32/R410a  |                            |               |               |               |             |          |
| Water heat exchanger         | -                 | SUS 316 Brazed plate heat exchanger                            |                            |               |               |               |             |          |
| Electric heater (optional)   | kW                | 3/6  |                            |               | 6             |               |             |          |
| Water pump (optional)        | -                 | DC type, Wilo/Shinwoo  |                            |               | Shinwoo       |               |             |          |
| Expansion tank (optional)    | L                 | 5  |                            |               | 1"            |               |             |          |
| Water                        | Inlet&Outlet      | Inch   | 1"                         | 1"            | 1"            | 1"            | 1"          | 1-1/4"   |
|                              | Indoor Unit       | dB(A)  | 42                         | 42            | 42            | 42            | 42          | 42       |
| Noise level (W*DPH)          | Outdoor Unit      | dB(A)  | 52                         | 56            | 56            | 58            | 59          | 61       |
|                              | Indoor Unit       | mm   | 522*296*863.5              | 522*296*863.5 | 522*296*863.5 | 522*296*863.5 | 602*308*880 |          |
| Net weight                   | Indoor Unit       | kg   | 55                         | 55            | 55            | 55            | 55          | 70       |
|                              | Outdoor Unit      | kg   | 58                         | 90            | 90            | 100           | 120         | 175      |

Notes:

- The values of heating/cooling capacity/power input/COPEER are based on measurement of EN14511 standard. Usage environment, such as operation of the heat pump, room temperature and controller adjustments, may cause disparities between practically determined and these values;
  - Sound pressure level measured at distance of 1m from the device;
  - If local ambient temperature will be below 0°C in winter, please use an approved antifreeze solution;
- Blueway reserves the rights to modify the above specifications without notice for product improvement. Please contact us for updated information.