

## Hi-FLEXi S Series



Latest enhanced capacity series:

- G-type heat exchanger, more efficient
- Enhanced vapor injection scroll compressor with rapid heating performance
- Float switch design, ensuring decoration safety
- Wide operating range, precise temperature control

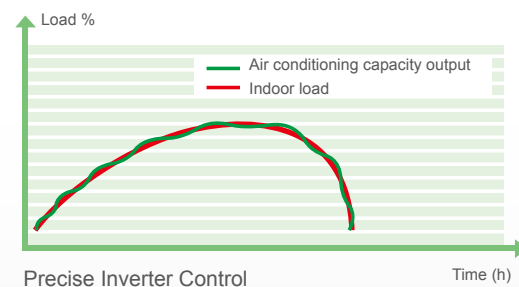
### New Generation of Enhanced Vapor Injection Scroll Compressor

Hisense Hi-FLEXi S Series adopts a new generation of the high efficiency scroll compressor and the patented vapor injection technology\*1. It can greatly enhance the heating performance and achieve high energy-saving efficiency. Powerful heating is guaranteed by Hi-FLEXi S Series, especially under low temperature with heating performance increased up to 25%, compared with the standard model.

Note: \*1. Patent number: a heat exchange cycle system and control methods and air conditioning, 201610909006.X

### DC Frequency Inverter Technology in Compressor

Hisense VRF adopts a wide range and high-precision inverter technology. Its adjustment range is 0-450Hz and the control accuracy is 0.01Hz. The running speed of outdoor DC inverter compressor can be adjusted continuously and freely, which improves the user experience and also enhances the energy efficiency of the unit.

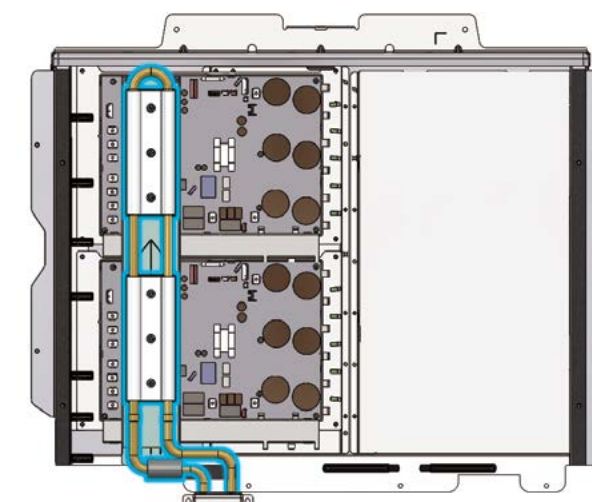


### Patented 360° Fitted Refrigerant Cooling Technology, More Reliable Cooling System

With the patented 360° refrigerant cooling technology, Hi-FLEXi S Series will remove the heat from the main PCB, inverter module and outdoor unit's electrical box stably and efficiently. It can help to improve the electrical reliability of the unit when it is running under high ambient. This ensures stability and safety of the outdoor unit running and also prevents poor heat dissipation caused by the fan cycle rotation or stop mode.

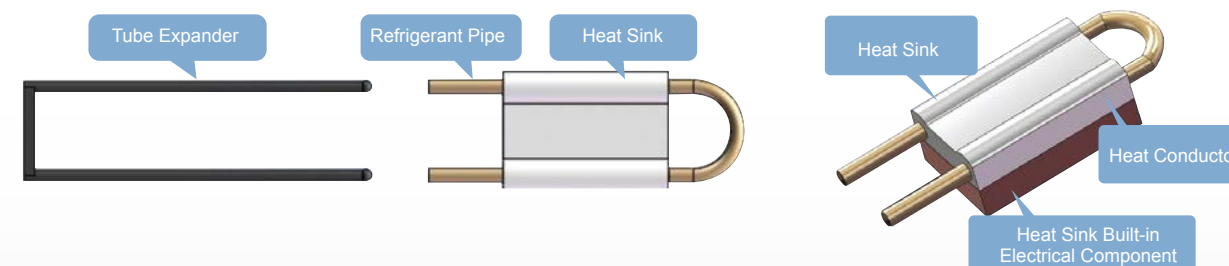
© The refrigerant heat sink of aluminum alloy with high thermal conductivity and the internal mechanical tube can integrate closely to keep the heat transfer efficiency.

Patent Number:  
1.Processing method of refrigerant heat sink, air conditioning and refrigerant cooling, 201710413663.X  
2.Refrigerant heat sink and air conditioning, 201720645923.



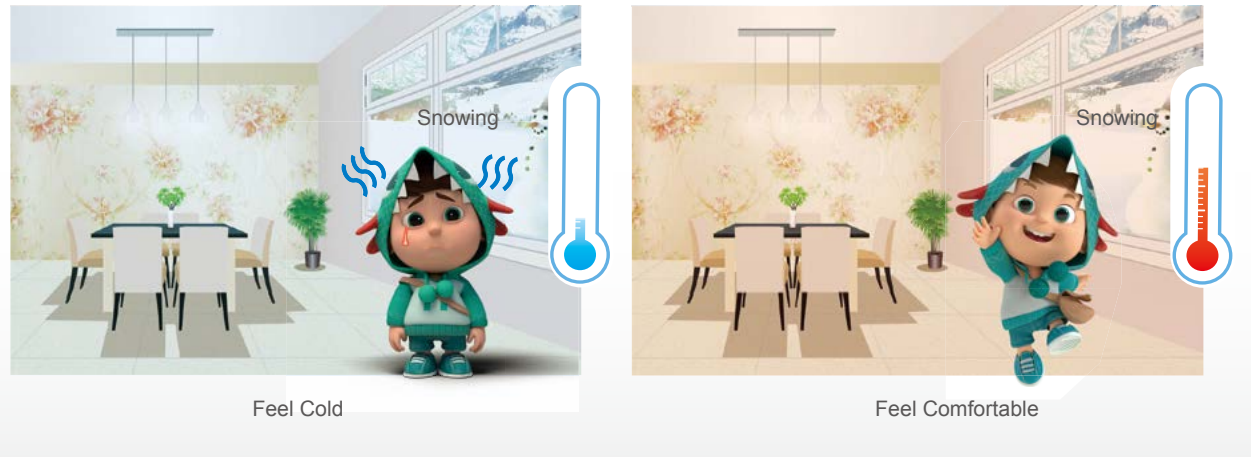
© A tin heat conductor is added between the refrigerant pipe and the heat sink built-in the electrical component to increase the heat transfer efficiency. Made by imported lead-free solder film with high thermal conductivity, the tin heat conductor greatly improve the overall performance.

Patent Number:  
3.Testing device and method of a refrigerant heat sink, 201710456157.9  
4.Testing device and method for refrigerant heat sink, 201710601662.8



### Powerful Heating Performance Under Low Temperature

The system uses the vapor injection two-stage compressor technology and intelligent defrost technology to achieve strong heating efficiency which ensures the strong heating performance even under  $-25^{\circ}\text{C}$ .



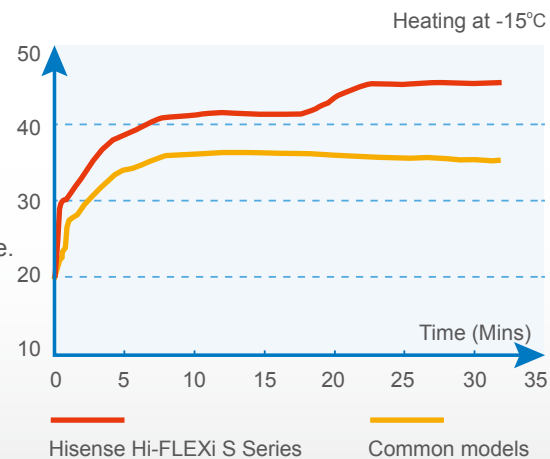
### Rapid Heating Under Low Temperature

When the Hi-FLEXi S Series is running at a low outdoor ambient of  $-15^{\circ}\text{C}$ , the outlet air temperature of the indoor unit can reach up to  $40^{\circ}\text{C}$  or higher\* in a short time. The outdoor unit has a fast and powerful heating efficiency, so it can offer you a warm and comfortable environment in winter.

This test result is based on the 10HP outdoor unit and 2 indoor units

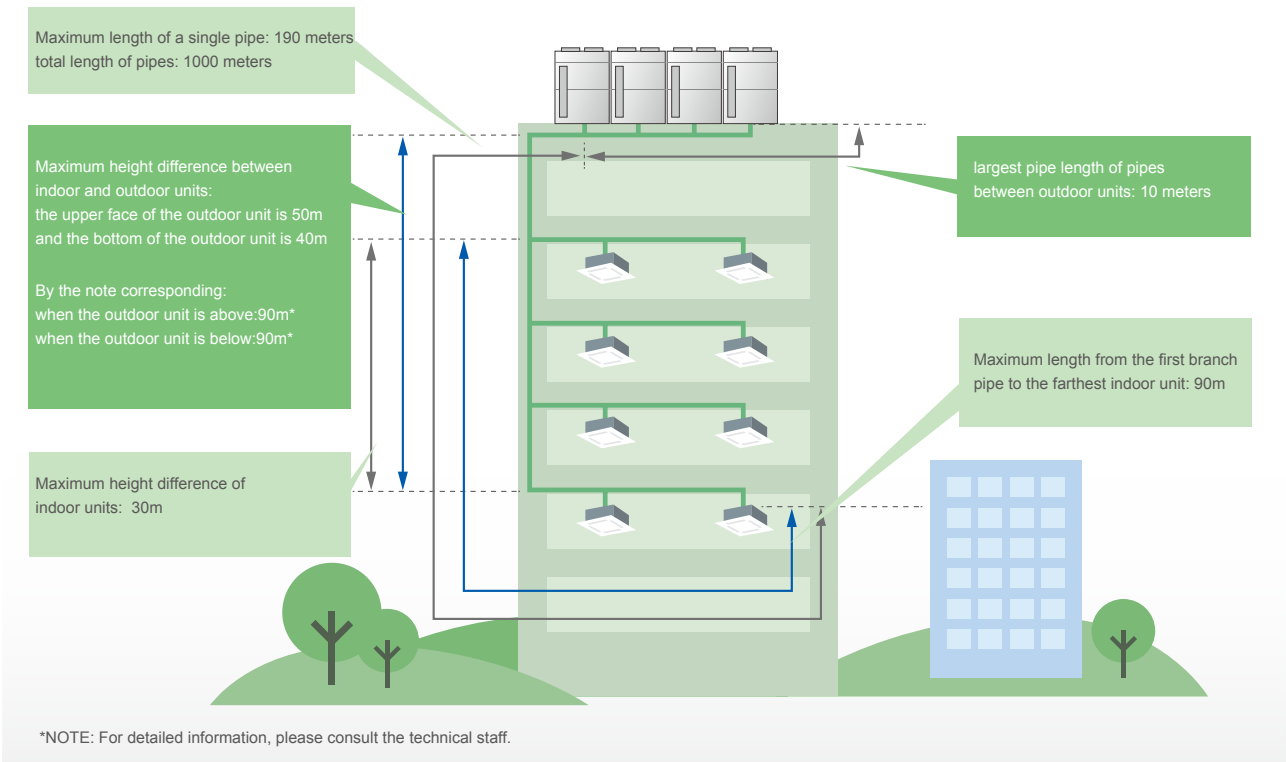
Test conditions:  
 Outdoor suction temperature:  $-15^{\circ}\text{C}$ (dry bulb),  
 Relative humidity: 75%,  
 Indoor unit suction temperature:  $20^{\circ}\text{C}$ (dry bulb), high air volume.  
 Length of indoor and outdoor pipes: 6 meters.  
 Measurement sites: laboratory of constant temperature.

Note: The actual heat time depends on the heat load, models and building structure.



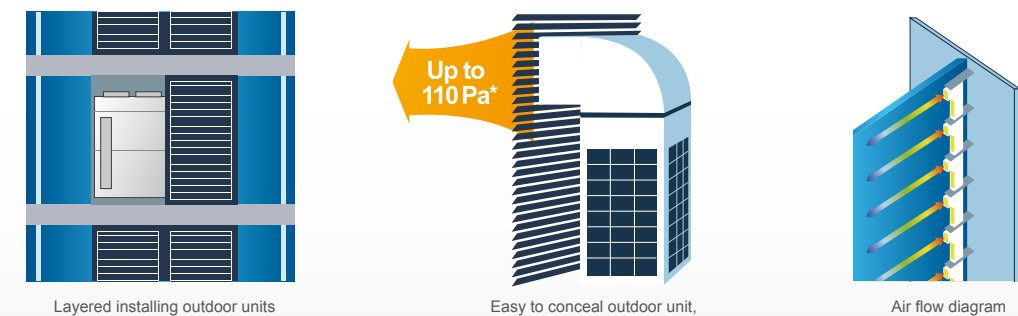
### Extra Long Pipe Enabling The Height Difference Between Indoor and Outdoor Units up to 90 Meters \*

With extra long pipe, the height difference between the indoor unit and outdoor unit is up to 90 meters \*, which makes installation more flexible.



### Fan Static Pressure Adaptive Technology Making Installation Space More Flexible

With static pressure adaptive technology, the fan of the outdoor unit can be adjusted in free static pressure based on system requirements to meet a variety of needs in different environments. The maximum external static pressure of the outdoor unit can be up to  $110\text{Pa}$ \*, which provides better conditions for the layered installation and centralized installation. Higher static pressure and further distance of air supply of the outdoor unit ensure the smooth flow of air and solve condensing problems of the outdoor unit effectively. Enough already been said about the static and flexibility so delete last sentence.



\*Note: By the note corresponding, external static pressure of the outdoor unit can be up to  $110\text{Pa}$ . For detailed information, please contact Hisense's technical staff.

### Outdoor Unit Specifications



| Hi-FLEXi S Series                      |                          | HP                  | 8HP                                 | 10HP        | 12HP         | 14HP         | 16HP         | 18HP         |
|--|--------------------------|---------------------|-------------------------------------|-------------|--------------|--------------|--------------|--------------|
| Model                                  |                          |                     | AVWT-76HKSS                         | AVWT-96HKSS | AVWT-114HKSS | AVWT-136HKSS | AVWT-154HKSS | AVWT-170HKSS |
| Combination                            |                          |                     | —                                   | —           | —            | —            | —            | —            |
| Power Supply                           |                          |                     | 380-415V 3N~ 50Hz / 60Hz            |             |              |              |              |              |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW                  | 22.4                                | 28.0        | 33.5         | 40.0         | 45.0         | 50.0         |
|  | Power Consumption        | kW                  | 5.21                                | 7.00        | 8.65         | 10.53        | 12.50        | 15.63        |
|  | EER                      |                     | 4.30                                | 4.00        | 3.87         | 3.80         | 3.60         | 3.20         |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW                  | 25.0                                | 31.5        | 37.5         | 45.0         | 50.0         | 56.0         |
|  | Power Consumption        | kW                  | 5.77                                | 7.59        | 9.21         | 11.72        | 13.70        | 16.97        |
|  | COP                      |                     | 4.33                                | 4.15        | 4.07         | 3.84         | 3.65         | 3.30         |
| Air Flow Rate                          |                          | m <sup>3</sup> /min | 183                                 | 183         | 183          | 200          | 200          | 200          |
| Noise level <sup>2</sup>               |                          | dB(A)               | 59                                  | 60          | 62           | 62           | 62           | 62           |
| Cabinet Color <sup>3</sup>             |                          |                     | Grayish White                       |             |              |              |              |              |
| Compressor Type                        |                          |                     | Enhanced Vapor Injection Compressor |             |              |              |              |              |
| Refrigerant Type                       |                          |                     | R410A                               |             |              |              |              |              |
| Gas Line                               |                          | mm                  | Φ19.05                              | Φ22.20      | Φ25.40       | Φ25.40       | Φ28.60       | Φ28.60       |
| Liquid Line                            |                          | mm                  | Φ9.53                               | Φ9.53       | Φ12.70       | Φ12.70       | Φ12.70       | Φ15.88       |
| Out Dimension                          | H                        | mm                  | 1730                                | 1730        | 1730         | 1730         | 1730         | 1730         |
|  | W                        | mm                  | 950                                 | 950         | 950          | 1210         | 1210         | 1210         |
|  | D                        | mm                  | 750                                 | 750         | 750          | 750          | 750          | 750          |
| Packing Dimension                      | H                        | mm                  | 1930                                | 1930        | 1930         | 1930         | 1930         | 1930         |
|  | W                        | mm                  | 1015                                | 1015        | 1015         | 1275         | 1275         | 1275         |
|  | D                        | mm                  | 790                                 | 790         | 790          | 790          | 790          | 790          |
| Max.number of connectable IDU          |                          |                     | 13                                  | 16          | 19           | 23           | 26           | 29           |
| Max. Fuse Current                      |                          | A                   | 25                                  | 32          | 32           | 40           | 40           | 50           |
| Max. Running Current                   |                          | A                   | 17.2                                | 22.5        | 23.5         | 28.6         | 33           | 38.6         |
| Net Weight                             |                          | kg                  | 224                                 | 244         | 245          | 297          | 298          | 347          |
| Gross Weight                           |                          | kg                  | 243                                 | 263         | 265          | 321          | 322          | 371          |
| Connection Ratio                       |                          |                     | 50% - 150%                          |             |              |              |              |              |
| Compressor Quantity                    |                          | PC                  | 1                                   | 1           | 1            | 1            | 1            | 2            |
| Condenser Fan Quantity                 |                          | PC                  | 1                                   | 1           | 1            | 2            | 2            | 2            |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m                   | 50 (90 <sup>ft</sup> )              |             |              |              |              |              |
|  | ODUs is Lower Than IDUs  | m                   | 40 (90 <sup>ft</sup> )              |             |              |              |              |              |
| Height Difference Between IDUs         |                          | m                   | 30                                  |             |              |              |              |              |
| Operation Range                        | Cooling                  | DB                  | -5°C~ 52°C <sup>5</sup>             |             |              |              |              |              |
|  | Heating                  | WB                  | -25°C <sup>5</sup> ~ 16.5°C         |             |              |              |              |              |
| Max. Total Piping Length               |                          | m                   | 1000                                |             |              |              |              |              |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



| Hi-FLEXi S Series                      |                          | HP                  | 20HP                                | 22HP         | 24HP         | 26HP         | 28HP         |
|--|--------------------------|---------------------|-------------------------------------|--------------|--------------|--------------|--------------|
| Model                                  |                          |                     | AVWT-190HKSS                        | AVWT-212HKSS | AVWT-232HKSS | AVWT-250HKSS | AVWT-272HKSS |
| Combination                            |                          |                     | —                                   | —            | —            | —            | —            |
| Power Supply                           |                          |                     | 380-415V 3N~ 50Hz / 60Hz            |              |              |              |              |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW                  | 56.0                                | 61.5         | 68.0         | 72.5         | 80.0         |
|  | Power Consumption        | kW                  | 17.90                               | 20.50        | 22.82        | 24.58        | 27.59        |
|  | EER                      |                     | 3.13                                | 3.00         | 2.98         | 2.95         | 2.90         |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW                  | 63.0                                | 69.0         | 75.0         | 80.0         | 90.0         |
|  | Power Consumption        | kW                  | 19.87                               | 22.48        | 24.59        | 26.67        | 30.41        |
|  | COP                      |                     | 3.17                                | 3.07         | 3.05         | 3.00         | 2.96         |
| Air Flow Rate                          |                          | m <sup>3</sup> /min | 267                                 | 296          | 296          | 350          | 350          |
| Noise level <sup>2</sup>               |                          | dB(A)               | 63                                  | 64           | 66           | 67           | 67           |
| Cabinet Color <sup>3</sup>             |                          |                     | Grayish White                       |              |              |              |              |
| Compressor Type                        |                          |                     | Enhanced Vapor Injection Compressor |              |              |              |              |
| Refrigerant Type                       |                          |                     | R410A                               |              |              |              |              |
| Gas Line                               |                          | mm                  | Φ28.60                              | Φ28.60       | Φ28.60       | Φ31.75       | Φ31.75       |
| Liquid Line                            |                          | mm                  | Φ15.88                              | Φ15.88       | Φ15.88       | Φ19.05       | Φ19.05       |
| Out Dimension                          | H                        | mm                  | 1730                                | 1730         | 1730         | 1730         | 1730         |
|  | W                        | mm                  | 1350                                | 1350         | 1350         | 1600         | 1600         |
|  | D                        | mm                  | 750                                 | 750          | 750          | 750          | 750          |
| Packing Dimension                      | H                        | mm                  | 1930                                | 1930         | 1930         | 1930         | 1930         |
|  | W                        | mm                  | 1420                                | 1420         | 1420         | 1665         | 1665         |
|  | D                        | mm                  | 790                                 | 790          | 790          | 790          | 790          |
| Max.number of connectable IDU          |                          |                     | 33                                  | 36           | 40           | 43           | 47           |
| Max. Fuse Current                      |                          | A                   | 63                                  | 63           | 63           | 80           | 80           |
| Max. Running Current                   |                          | A                   | 44.5                                | 49.8         | 52.4         | 56.9         | 58.2         |
| Net Weight                             |                          | kg                  | 361                                 | 369          | 370          | 414          | 415          |
| Gross Weight                           |                          | kg                  | 395                                 | 396          | 397          | 446          | 447          |
| Connection Ratio                       |                          |                     | 50% - 150%                          |              |              |              |              |
| Compressor Quantity                    |                          | PC                  | 2                                   | 2            | 2            | 2            | 2            |
| Condenser Fan Quantity                 |                          | PC                  | 2                                   | 2            | 2            | 2            | 2            |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m                   | 50 (90 <sup>ft</sup> )              |              |              |              |              |
|  | ODUs is Lower Than IDUs  | m                   | 40 (90 <sup>ft</sup> )              |              |              |              |              |
| Height Difference Between IDUs         |                          | m                   | 30                                  |              |              |              |              |
| Operation Range                        | Cooling                  | DB                  | -5°C~ 52°C <sup>5</sup>             |              |              |              |              |
|  | Heating                  | WB                  | -25°C <sup>5</sup> ~ 16.5°C         |              |              |              |              |
| Max. Total Piping Length               |                          | m                   | 1000                                |              |              |              |              |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference: 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



### Outdoor Unit Specifications



| Hi-FLEXi S Series                      | HP                       | 30HP                                | 32HP                         | 34HP                         | 36HP                         | 38HP                         |           |
|--|--------------------------|-------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------|
| Model                                  |                          | AVWT-290HKSS                        | AVWT-308HKSS                 | AVWT-324HKSS                 | AVWT-344HKSS                 | AVWT-360HKSS                 |           |
| Combination                            |                          | AVWT-154HKSS<br>AVWT-136HKSS        | AVWT-154HKSS<br>AVWT-154HKSS | AVWT-170HKSS<br>AVWT-154HKSS | AVWT-190HKSS<br>AVWT-154HKSS | AVWT-190HKSS<br>AVWT-170HKSS |           |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz            |                              |                              |                              |                              |           |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW                                  | 85.0                         | 90.0                         | 95.0                         | 101.0                        | 106.0     |
|  | Power Consumption        | kW                                  | 23.03                        | 25.00                        | 28.13                        | 30.40                        | 33.53     |
|  | EER                      |                                     | 3.69                         | 3.60                         | 3.38                         | 3.32                         | 3.16      |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW                                  | 95.0                         | 100.0                        | 106.0                        | 113.0                        | 119.0     |
|  | Power Consumption        | kW                                  | 25.42                        | 27.40                        | 30.67                        | 33.57                        | 36.84     |
|  | COP                      |                                     | 3.74                         | 3.65                         | 3.46                         | 3.37                         | 3.23      |
| Air Flow Rate                          | m <sup>3</sup> /min      | 400                                 | 400                          | 400                          | 467                          | 467                          |           |
| Noise level <sup>2</sup>               | dB(A)                    | 67                                  | 67                           | 67                           | 67                           | 67                           |           |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                       |                              |                              |                              |                              |           |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor |                              |                              |                              |                              |           |
| Refrigerant Type                       |                          | R410A                               |                              |                              |                              |                              |           |
| Gas Line                               | mm                       | Φ31.75                              | Φ31.75                       | Φ38.1                        | Φ38.1                        | Φ38.1                        |           |
| Liquid Line                            | mm                       | Φ19.05                              | Φ19.05                       | Φ19.05                       | Φ19.05                       | Φ19.05                       |           |
| Out Dimension                          | H                        | mm                                  | 1730                         | 1730                         | 1730                         | 1730                         | 1730      |
|  | W                        | mm                                  | 1210+1210                    | 1210+1210                    | 1210+1210                    | 1210+1350                    | 1210+1350 |
|  | D                        | mm                                  | 750                          | 750                          | 750                          | 750                          | 750       |
| Packing Dimension                      | H                        | mm                                  | 1930                         | 1930                         | 1930                         | 1930                         | 1930      |
|  | W                        | mm                                  | 1275+1275                    | 1275+1275                    | 1275+1275                    | 1275+1420                    | 1275+1420 |
|  | D                        | mm                                  | 790                          | 790                          | 790                          | 790                          | 790       |
| Max.number of connectable IDU          |                          | 49                                  | 52                           | 55                           | 59                           | 62                           |           |
| Max. Fuse Current                      | A                        | 80                                  | 80                           | 100                          | 100                          | 100                          |           |
| Max. Running Current                   | A                        | 61.6                                | 66                           | 71.6                         | 77.5                         | 83.1                         |           |
| Net Weight                             | kg                       | 595                                 | 596                          | 645                          | 659                          | 708                          |           |
| Gross Weight                           | kg                       | 643                                 | 644                          | 693                          | 717                          | 766                          |           |
| Connection Ratio                       |                          | 50% - 150%                          |                              |                              |                              |                              |           |
| Compressor Quantity                    | PC                       | 2                                   | 2                            | 3                            | 3                            | 4                            |           |
| Condenser Fan Quantity                 | PC                       | 4                                   | 4                            | 4                            | 4                            | 4                            |           |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m                                   | 50 (90 <sup>ft</sup> )       |                              |                              |                              |           |
|  | ODUs is Lower Than IDUs  | m                                   | 40 (90 <sup>ft</sup> )       |                              |                              |                              |           |
| Height Difference Between IDUs         | m                        | 30                                  |                              |                              |                              |                              |           |
| Operation Range                        | Cooling                  | DB                                  | -5°C~ 52°C <sup>5</sup>      |                              |                              |                              |           |
|  | Heating                  | WB                                  | -25°C <sup>5</sup> ~ 16.5°C  |                              |                              |                              |           |
| Max. Total Piping Length               | m                        | 1000                                |                              |                              |                              |                              |           |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



| Hi-FLEXi S Series                      | HP                       | 40HP                                | 42HP                         | 44HP                         | 46HP                         | 48HP                         |           |
|--|--------------------------|-------------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------|
| Model                                  |                          | AVWT-380HKSS                        | AVWT-402HKSS                 | AVWT-422HKSS                 | AVWT-444HKSS                 | AVWT-464HKSS                 |           |
| Combination                            |                          | AVWT-190HKSS<br>AVWT-190HKSS        | AVWT-232HKSS<br>AVWT-170HKSS | AVWT-232HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-212HKSS | AVWT-232HKSS<br>AVWT-232HKSS |           |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz            |                              |                              |                              |                              |           |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW                                  | 112.0                        | 118.0                        | 124.0                        | 129.5                        | 136.0     |
|  | Power Consumption        | kW                                  | 35.80                        | 38.45                        | 40.72                        | 43.32                        | 45.64     |
|  | EER                      |                                     | 3.13                         | 3.07                         | 3.05                         | 2.99                         | 2.98      |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW                                  | 126.0                        | 131.0                        | 138.0                        | 144.0                        | 150.0     |
|  | Power Consumption        | kW                                  | 39.74                        | 41.56                        | 44.46                        | 47.07                        | 49.18     |
|  | COP                      |                                     | 3.17                         | 3.15                         | 3.10                         | 3.06                         | 3.05      |
| Air Flow Rate                          | m <sup>3</sup> /min      | 534                                 | 496                          | 563                          | 592                          | 592                          |           |
| Noise level <sup>2</sup>               | dB(A)                    | 67                                  | 67                           | 68                           | 68                           | 69                           |           |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                       |                              |                              |                              |                              |           |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor |                              |                              |                              |                              |           |
| Refrigerant Type                       |                          | R410A                               |                              |                              |                              |                              |           |
| Gas Line                               | mm                       | Φ38.1                               | Φ38.1                        | Φ38.1                        | Φ41.3                        | Φ41.3                        |           |
| Liquid Line                            | mm                       | Φ19.05                              | Φ19.05                       | Φ19.05                       | Φ22.2                        | Φ22.2                        |           |
| Out Dimension                          | H                        | mm                                  | 1730                         | 1730                         | 1730                         | 1730                         | 1730      |
|  | W                        | mm                                  | 1350+1350                    | 1210+1350                    | 1350+1350                    | 1350+1350                    | 1350+1350 |
|  | D                        | mm                                  | 750                          | 750                          | 750                          | 750                          | 750       |
| Packing Dimension                      | H                        | mm                                  | 1930                         | 1930                         | 1930                         | 1930                         | 1930      |
|  | W                        | mm                                  | 1420+1420                    | 1275+1420                    | 1420+1420                    | 1420+1420                    | 1420+1420 |
|  | D                        | mm                                  | 790                          | 790                          | 790                          | 790                          | 790       |
| Max.number of connectable IDU          |                          | 64                                  | 64                           | 64                           | 64                           | 64                           |           |
| Max. Fuse Current                      | A                        | 125                                 | 125                          | 125                          | 125                          | 125                          |           |
| Max. Running Current                   | A                        | 89                                  | 91                           | 96.9                         | 102.2                        | 104.8                        |           |
| Net Weight                             | kg                       | 722                                 | 717                          | 731                          | 739                          | 740                          |           |
| Gross Weight                           | kg                       | 790                                 | 768                          | 792                          | 793                          | 794                          |           |
| Connection Ratio                       |                          | 50% - 150%                          |                              |                              |                              |                              |           |
| Compressor Quantity                    | PC                       | 4                                   | 4                            | 4                            | 4                            | 4                            |           |
| Condenser Fan Quantity                 | PC                       | 4                                   | 4                            | 4                            | 4                            | 4                            |           |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m                                   | 50 (90 <sup>ft</sup> )       |                              |                              |                              |           |
|  | ODUs is Lower Than IDUs  | m                                   | 40 (90 <sup>ft</sup> )       |                              |                              |                              |           |
| Height Difference Between IDUs         | m                        | 30                                  |                              |                              |                              |                              |           |
| Operation Range                        | Cooling                  | DB                                  | -5°C~ 52°C <sup>5</sup>      |                              |                              |                              |           |
|  | Heating                  | WB                                  | -25°C <sup>5</sup> ~ 16.5°C  |                              |                              |                              |           |
| Max. Total Piping Length               | m                        | 1000                                |                              |                              |                              |                              |           |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.

### Outdoor Unit Specifications



| Hi-FLEXi S Series                      | HP                       | 50HP                                | 52HP                         | 54HP                         | 56HP                         |           |
|--|--------------------------|-------------------------------------|------------------------------|------------------------------|------------------------------|-----------|
| Model                                  |                          | AVWT-482HKSS                        | AVWT-504HKSS                 | AVWT-522HKSS                 | AVWT-544HKSS                 |           |
| Combination                            |                          | AVWT-250HKSS<br>AVWT-232HKSS        | AVWT-272HKSS<br>AVWT-232HKSS | AVWT-272HKSS<br>AVWT-250HKSS | AVWT-272HKSS<br>AVWT-272HKSS |           |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz            |                              |                              |                              |           |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW                                  | 140.5                        | 148.0                        | 152.5                        | 160.0     |
|  | Power Consumption        | kW                                  | 47.40                        | 50.41                        | 52.17                        | 55.18     |
|  | EER                      |                                     | 2.96                         | 2.94                         | 2.92                         | 2.90      |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW                                  | 155.0                        | 165.0                        | 170.0                        | 180.0     |
|  | Power Consumption        | kW                                  | 51.26                        | 55.00                        | 57.08                        | 60.82     |
|  | COP                      |                                     | 3.02                         | 3.00                         | 2.98                         | 2.96      |
| Air Flow Rate                          | m <sup>3</sup> /min      | 646                                 | 646                          | 700                          | 700                          |           |
| Noise level <sup>2</sup>               | dB(A)                    | 70                                  | 70                           | 70                           | 70                           |           |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                       |                              |                              |                              |           |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor |                              |                              |                              |           |
| Refrigerant Type                       |                          | R410A                               |                              |                              |                              |           |
| Gas Line                               | mm                       | Φ41.3                               | Φ41.3                        | Φ41.3                        | Φ41.3                        |           |
| Liquid Line                            | mm                       | Φ22.2                               | Φ22.2                        | Φ22.2                        | Φ22.2                        |           |
| Out Dimension                          | H                        | mm                                  | 1730                         | 1730                         | 1730                         | 1730      |
|  | W                        | mm                                  | 1350+1600                    | 1350+1600                    | 1600+1600                    | 1600+1600 |
|  | D                        | mm                                  | 750                          | 750                          | 750                          | 750       |
| Packing Dimension                      | H                        | mm                                  | 1930                         | 1930                         | 1930                         | 1930      |
|  | W                        | mm                                  | 1420+1665                    | 1420+1665                    | 1665+1665                    | 1665+1665 |
|  | D                        | mm                                  | 790                          | 790                          | 790                          | 790       |
| Max.number of connectable IDU          |                          | 64                                  | 64                           | 64                           | 64                           |           |
| Max. Fuse Current                      | A                        | 160                                 | 160                          | 160                          | 160                          |           |
| Max. Running Current                   | A                        | 109.3                               | 110.6                        | 115.1                        | 116.4                        |           |
| Net Weight                             | kg                       | 784                                 | 785                          | 829                          | 830                          |           |
| Gross Weight                           | kg                       | 843                                 | 844                          | 893                          | 894                          |           |
| Connection Ratio                       |                          | 50% - 150%                          |                              |                              |                              |           |
| Compressor Quantity                    | PC                       | 4                                   | 4                            | 4                            | 4                            |           |
| Condenser Fan Quantity                 | PC                       | 4                                   | 4                            | 4                            | 4                            |           |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m                                   | 50 (90 <sup>ft</sup> )       |                              |                              |           |
|  | ODUs is Lower Than IDUs  | m                                   | 40 (90 <sup>ft</sup> )       |                              |                              |           |
| Height Difference Between IDUs         | m                        | 30                                  |                              |                              |                              |           |
| Operation Range                        | Cooling                  | DB                                  | -5°C~ 52°C <sup>5</sup>      |                              |                              |           |
|  | Heating                  | WB                                  | -25°C <sup>5</sup> ~ 16.5°C  |                              |                              |           |
| Max. Total Piping Length               | m                        | 1000                                |                              |                              |                              |           |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



| Hi-FLEXi S Series                      | HP                       | 58HP   | 60HP   | 62HP   | 64HP   |                |
|--|--------------------------|--|--|--|--|----------------|
| Model                                  |                          | AVWT-552HKSS                                 | AVWT-570HKSS                                 | AVWT-592HKSS                                 | AVWT-612HKSS                                 |                |
| Combination                            |                          | AVWT-212HKSS<br>AVWT-170HKSS<br>AVWT-170HKSS | AVWT-190HKSS<br>AVWT-190HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-190HKSS<br>AVWT-170HKSS | AVWT-232HKSS<br>AVWT-190HKSS<br>AVWT-190HKSS |                |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                     |  |  |  |                |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 161.5  | 168.0  | 174.0  | 180.0          |
|  | Power Consumption        | kW   | 51.76  | 53.70  | 56.35  | 58.62          |
|  | EER                      |  | 3.12   | 3.13   | 3.09   | 3.07           |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 181.0  | 189.0  | 194.0  | 201.0          |
|  | Power Consumption        | kW   | 56.42  | 59.61  | 61.43  | 64.33          |
|  | COP                      |  | 3.21   | 3.17   | 3.16   | 3.12           |
| Air Flow Rate                          | m <sup>3</sup> /min      | 696  | 801  | 763  | 830  |                |
| Noise level <sup>2</sup>               | dB(A)                    | 70   | 70   | 70   | 70   |                |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                                |  |  |  |                |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor          |  |  |  |                |
| Refrigerant Type                       |                          | R410A  |  |  |  |                |
| Gas Line                               | mm                       | Φ44.5  | Φ44.5  | Φ44.5  | Φ44.5  |                |
| Liquid Line                            | mm                       | Φ22.2  | Φ22.2  | Φ22.2  | Φ22.2  |                |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730           |
|  | W                        | mm   | 1210+1210+1350                               | 1350+1350+1350                               | 1210+1350+1350                               | 1350+1350+1350 |
|  | D                        | mm   | 750  | 750  | 750  | 750            |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930           |
|  | W                        | mm   | 1275+1275+1420                               | 1420+1420+1420                               | 1275+1420+1420                               | 1420+1420+1420 |
|  | D                        | mm   | 790  | 790  | 790  | 790            |
| Max.number of connectable IDU          |                          | 64   | 64   | 64   | 64   |                |
| Max. Fuse Current                      | A                        | 160  | 160  | 160  | 200  |                |
| Max. Running Current                   | A                        | 127  | 133.5  | 135.5  | 141.4  |                |
| Net Weight                             | kg                       | 1063   | 1083   | 1078   | 1092   |                |
| Gross Weight                           | kg                       | 1138   | 1185   | 1163   | 1187   |                |
| Connection Ratio                       |                          | 50% - 150%                                   |  |  |  |                |
| Compressor Quantity                    | PC                       | 6  | 6  | 6  | 6  |                |
| Condenser Fan Quantity                 | PC                       | 6  | 6  | 6  | 6  |                |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>ft</sup> )                       |  |  |                |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>ft</sup> )                       |  |  |                |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>                      |  |  |                |
|  | Heating                  | WB   | -25°C <sup>5</sup> ~ 16.5°C                  |  |  |                |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.

### Outdoor Unit Specifications



| Hi-FLEXi S Series                      | HP                       | 66HP   | 68HP   | 70HP   | 72HP   |                |
|--|--------------------------|--|--|--|--|----------------|
| Model                                  |                          | AVWT-634HKSS                                 | AVWT-654HKSS                                 | AVWT-676HKSS                                 | AVWT-696HKSS                                 |                |
| Combination                            |                          | AVWT-232HKSS<br>AVWT-212HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-212HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS |                |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                     |  |  |  |                |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 185.5  | 192.0  | 197.5  | 204.0          |
|  | Power Consumption        | kW   | 61.22  | 63.54  | 66.14  | 68.46          |
|  | EER                      |  | 3.03   | 3.02   | 2.99   | 2.98           |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 207.0  | 213.0  | 219.0  | 225.0          |
|  | Power Consumption        | kW   | 66.94  | 69.05  | 71.66  | 73.77          |
|  | COP                      |  | 3.09   | 3.08   | 3.06   | 3.05           |
| Air Flow Rate                          | m <sup>3</sup> /min      | 859  | 859  | 888  | 888  |                |
| Noise level <sup>2</sup>               | dB(A)                    | 70   | 70   | 70   | 71   |                |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                                |  |  |  |                |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor          |  |  |  |                |
| Refrigerant Type                       |                          | R410A  |  |  |  |                |
| Gas Line                               | mm                       | Φ44.5  | Φ50.8  | Φ50.8  | Φ50.8  |                |
| Liquid Line                            | mm                       | Φ22.2  | Φ25.4  | Φ25.4  | Φ25.4  |                |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730           |
|  | W                        | mm   | 1350+1350+1350                               | 1350+1350+1350                               | 1350+1350+1350                               | 1350+1350+1350 |
|  | D                        | mm   | 750  | 750  | 750  | 750            |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930           |
|  | W                        | mm   | 1420+1420+1420                               | 1420+1420+1420                               | 1420+1420+1420                               | 1420+1420+1420 |
|  | D                        | mm   | 790  | 790  | 790  | 790            |
| Max. number of connectable IDU         |                          | 64   | 64   | 64   | 64   |                |
| Max. Fuse Current                      | A                        | 200  | 200  | 200  | 200  |                |
| Max. Running Current                   | A                        | 146.7  | 149.3  | 154.6  | 157.2  |                |
| Net Weight                             | kg                       | 1100   | 1101   | 1109   | 1110   |                |
| Gross Weight                           | kg                       | 1188   | 1189   | 1190   | 1191   |                |
| Connection Ratio                       |                          | 50% - 150%                                   |  |  |  |                |
| Compressor Quantity                    | PC                       | 6  | 6  | 6  | 6  |                |
| Condenser Fan Quantity                 | PC                       | 6  | 6  | 6  | 6  |                |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>4</sup> )                        |  |  |                |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>4</sup> )                        |  |  |                |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>                      |  |  |                |
|  | Heating                  | WB   | -25°C <sup>5</sup> ~ 16.5°C                  |  |  |                |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



| Hi-FLEXi S Series                      | HP                       | 74HP   | 76HP   | 78HP   | 80HP   |                |
|--|--------------------------|--|--|--|--|----------------|
| Model                                  |                          | AVWT-714HKSS                                 | AVWT-732HKSS                                 | AVWT-754HKSS                                 | AVWT-776HKSS                                 |                |
| Combination                            |                          | AVWT-250HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS | AVWT-250HKSS<br>AVWT-250HKSS<br>AVWT-232HKSS | AVWT-272HKSS<br>AVWT-250HKSS<br>AVWT-232HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-232HKSS |                |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                     |  |  |  |                |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 208.5  | 213.0  | 220.5  | 228.0          |
|  | Power Consumption        | kW   | 70.22  | 71.98  | 74.99  | 78.00          |
|  | EER                      |  | 2.97   | 2.96   | 2.95   | 2.92           |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 230.0  | 235.0  | 245.0  | 255.0          |
|  | Power Consumption        | kW   | 75.85  | 77.93  | 81.67  | 85.41          |
|  | COP                      |  | 3.03   | 3.02   | 3.00   | 2.98           |
| Air Flow Rate                          | m <sup>3</sup> /min      | 942  | 996  | 996  | 996  |                |
| Noise level <sup>2</sup>               | dB(A)                    | 71   | 71   | 71   | 71   |                |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                                |  |  |  |                |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor          |  |  |  |                |
| Refrigerant Type                       |                          | R410A  |  |  |  |                |
| Gas Line                               | mm                       | Φ50.8  | Φ50.8  | Φ50.8  | Φ50.8  |                |
| Liquid Line                            | mm                       | Φ25.4  | Φ25.4  | Φ25.4  | Φ25.4  |                |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730           |
|  | W                        | mm   | 1350+1350+1600                               | 1350+1600+1600                               | 1350+1600+1600                               | 1350+1600+1600 |
|  | D                        | mm   | 750  | 750  | 750  | 750            |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930           |
|  | W                        | mm   | 1420+1420+1665                               | 1420+1665+1665                               | 1420+1665+1665                               | 1420+1665+1665 |
|  | D                        | mm   | 790  | 790  | 790  | 790            |
| Max. number of connectable IDU         |                          | 64   | 64   | 64   | 64   |                |
| Max. Fuse Current                      | A                        | 200  | 200  | 200  | 200  |                |
| Max. Running Current                   | A                        | 161.7  | 166.2  | 167.5  | 168.8  |                |
| Net Weight                             | kg                       | 1154   | 1198   | 1199   | 1200   |                |
| Gross Weight                           | kg                       | 1240   | 1289   | 1290   | 1291   |                |
| Connection Ratio                       |                          | 50% - 150%                                   |  |  |  |                |
| Compressor Quantity                    | PC                       | 6  | 6  | 6  | 6  |                |
| Condenser Fan Quantity                 | PC                       | 6  | 6  | 6  | 6  |                |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>4</sup> )                        |  |  |                |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>4</sup> )                        |  |  |                |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>                      |  |  |                |
|  | Heating                  | WB   | -25°C <sup>5</sup> ~ 16.5°C                  |  |  |                |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



### Outdoor Unit Specifications



| Hi-FLEXi S Series                      | HP                       | 82HP   | 84HP   | 86HP   | 88HP   |                     |
|--|--------------------------|--|--|--|--|---------------------|
| Model                                  |                          | AVWT-794HKSS                                 | AVWT-816HKSS                                 | AVWT-824HKSS   | AVWT-844HKSS   |                     |
| Combination                            |                          | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-250HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-272HKSS | AVWT-232HKSS<br>AVWT-212HKSS<br>AVWT-190HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-190HKSS<br>AVWT-190HKSS |                     |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                     |  |  |  |                     |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 232.5  | 240.0  | 241.5  | 248.0               |
|  | Power Consumption        | kW   | 79.76  | 82.77  | 79.12  | 81.44               |
|  | EER                      |  | 2.91   | 2.90   | 3.05   | 3.05                |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 260.0  | 270.0  | 270.0  | 276.0               |
|  | Power Consumption        | kW   | 87.49  | 91.23  | 86.81  | 88.92               |
|  | COP                      |  | 2.97   | 2.96   | 3.11   | 3.10                |
| Air Flow Rate                          | m <sup>3</sup> /min      | 1050   | 1050   | 1126   | 1126   |                     |
| Noise level <sup>2</sup>               | dB(A)                    | 72   | 72   | 72   | 72   |                     |
| Cabinet Color <sup>3</sup>             |                          | Grayish White                                |  |  |  |                     |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor          |  |  |  |                     |
| Refrigerant Type                       |                          | R410A  |  |  |  |                     |
| Gas Line                               | mm                       | Φ50.8  | Φ50.8  | Φ50.8  | Φ50.8  |                     |
| Liquid Line                            | mm                       | Φ25.4  | Φ25.4  | Φ25.4  | Φ25.4  |                     |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730                |
|  | W                        | mm   | 1600+1600+1600                               | 1600+1600+1600   | 1350+1350+1350+1350  | 1350+1350+1350+1350 |
|  | D                        | mm   | 750  | 750  | 750  | 750                 |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930                |
|  | W                        | mm   | 1665+1665+1665                               | 1665+1665+1665   | 1420+1420+1420+1420  | 1420+1420+1420+1420 |
|  | D                        | mm   | 790  | 790  | 790  | 790                 |
| Max.number of connectable IDU          |                          | 64   | 64   | 64   | 64   |                     |
| Max. Fuse Current                      | A                        | 250  | 250  | 250  | 250  |                     |
| Max. Running Current                   | A                        | 173.3  | 174.6  | 191.2  | 193.8  |                     |
| Net Weight                             | kg                       | 1244   | 1245   | 1461   | 1462   |                     |
| Gross Weight                           | kg                       | 1340   | 1341   | 1583   | 1584   |                     |
| Connection Ratio                       |                          | 50% - 150%                                   |  |  |  |                     |
| Compressor Quantity                    | PC                       | 6  | 6  | 8  | 8  |                     |
| Condenser Fan Quantity                 | PC                       | 6  | 6  | 8  | 8  |                     |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>14</sup> )                       |  |  |                     |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>14</sup> )                       |  |  |                     |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                     |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>                      |  |  |                     |
|  | Heating                  | WB   | -25°C <sup>15</sup> ~ 16.5°C                 |  |  |                     |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                     |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



| Hi-FLEXi S Series                      | HP                       | 90HP   | 92HP   | 94HP   | 96HP   |                     |
|--|--------------------------|--|--|--|--|---------------------|
| Model                                  |                          | AVWT-866HKSS   | AVWT-886HKSS   | AVWT-908HKSS   | AVWT-928HKSS   |                     |
| Combination                            |                          | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-212HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-212HKSS<br>AVWT-190HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-212HKSS | AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS |                     |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                                     |  |  |  |                     |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 253.5  | 260.0  | 265.5  | 272.0               |
|  | Power Consumption        | kW   | 84.04  | 86.36  | 88.96  | 91.28               |
|  | EER                      |  | 3.02   | 3.01   | 2.98   | 2.98                |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 282.0  | 288.0  | 294.0  | 300.0               |
|  | Power Consumption        | kW   | 91.53  | 93.64  | 96.25  | 98.36               |
|  | COP                      |  | 3.08   | 3.08   | 3.05   | 3.05                |
| Air Flow Rate                          | m <sup>3</sup> /min      | 1155   | 1155   | 1184   | 1184   |                     |
| Noise level <sup>2</sup>               | dB(A)                    | 72   | 72   | 72   | 72   |                     |
| Cabinet Color <sup>3</sup>             |                          | Grayish White  |  |  |  |                     |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor                          |  |  |  |                     |
| Refrigerant Type                       |                          | R410A  |  |  |  |                     |
| Gas Line                               | mm                       | Φ50.8  | Φ50.8  | Φ50.8  | Φ50.8  |                     |
| Liquid Line                            | mm                       | Φ25.4  | Φ25.4  | Φ25.4  | Φ25.4  |                     |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730                |
|  | W                        | mm   | 1350+1350+1350+1350  | 1350+1350+1350+1350  | 1350+1350+1350+1350  | 1350+1350+1350+1350 |
|  | D                        | mm   | 750  | 750  | 750  | 750                 |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930                |
|  | W                        | mm   | 1420+1420+1420+1420  | 1420+1420+1420+1420  | 1420+1420+1420+1420  | 1420+1420+1420+1420 |
|  | D                        | mm   | 790  | 790  | 790  | 790                 |
| Max.number of connectable IDU          |                          | 64   | 64   | 64   | 64   |                     |
| Max. Fuse Current                      | A                        | 250  | 250  | 250  | 320  |                     |
| Max. Running Current                   | A                        | 199.1  | 201.7  | 207  | 209.6  |                     |
| Net Weight                             | kg                       | 1470   | 1471   | 1479   | 1480   |                     |
| Gross Weight                           | kg                       | 1585   | 1586   | 1587   | 1588   |                     |
| Connection Ratio                       |                          | 50% - 150%   |  |  |  |                     |
| Compressor Quantity                    | PC                       | 8  | 8  | 8  | 8  |                     |
| Condenser Fan Quantity                 | PC                       | 8  | 8  | 8  | 8  |                     |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>14</sup> )   |  |  |                     |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>14</sup> )   |  |  |                     |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                     |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>  |  |  |                     |
|  | Heating                  | WB   | -25°C <sup>15</sup> ~ 16.5°C   |  |  |                     |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                     |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.

### Outdoor Unit Specifications



| Hi-FLEXi S Series                      | HP                       | 98HP   | 100HP  | 102HP  | 104HP  |                     |
|--|--------------------------|--|--|--|--|---------------------|
| Model                                  |                          | AVWT-946HKSS   | AVWT-968HKSS   | AVWT-988HKSS   | AVWT-1008HKSS  |                     |
| Combination                            |                          | AVWT-250HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS | AVWT-272HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS<br>AVWT-212HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-232HKSS<br>AVWT-212HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-232HKSS<br>AVWT-232HKSS |                     |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                                     |  |  |  |                     |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 276.5  | 284.0  | 289.5  | 296.0               |
|  | Power Consumption        | kW   | 93.04  | 96.05  | 98.50  | 100.82              |
|  | EER                      |  | 2.97   | 2.96   | 2.94   | 2.94                |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 305.0  | 315.0  | 324.0  | 330.0               |
|  | Power Consumption        | kW   | 100.44   | 104.18   | 107.89   | 110.00              |
|  | COP                      |  | 3.04   | 3.02   | 3.00   | 3.00                |
| Air Flow Rate                          | m <sup>3</sup> /min      | 1238   | 1238   | 1292   | 1292   |                     |
| Noise level <sup>2</sup>               | dB(A)                    | 72   | 72   | 72   | 73   |                     |
| Cabinet Color <sup>3</sup>             |                          | Grayish White  |  |  |  |                     |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor                          |  |  |  |                     |
| Refrigerant Type                       |                          | R410A  |  |  |  |                     |
| Gas Line                               | mm                       | Φ50.8  | Φ50.8  | Φ50.8  | Φ50.8  |                     |
| Liquid Line                            | mm                       | Φ25.4  | Φ25.4  | Φ25.4  | Φ25.4  |                     |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730                |
|  | W                        | mm   | 1350+1350+1350+1600  | 1350+1350+1350+1600  | 1350+1350+1600+1600  | 1350+1350+1600+1600 |
|  | D                        | mm   | 750  | 750  | 750  | 750                 |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930                |
|  | W                        | mm   | 1420+1420+1420+1665  | 1420+1420+1420+1665  | 1420+1420+1665+1665  | 1420+1420+1665+1665 |
|  | D                        | mm   | 790  | 790  | 790  | 790                 |
| Max.number of connectable IDU          |                          | 64   | 64   | 64   | 64   |                     |
| Max. Fuse Current                      | A                        | 320  | 320  | 320  | 320  |                     |
| Max. Running Current                   | A                        | 214.1  | 215.4  | 218.6  | 221.2  |                     |
| Net Weight                             | kg                       | 1524   | 1525   | 1569   | 1570   |                     |
| Gross Weight                           | kg                       | 1637   | 1638   | 1687   | 1688   |                     |
| Connection Ratio                       |                          | 50% - 150%   |  |  |  |                     |
| Compressor Quantity                    | PC                       | 8  | 8  | 8  | 8  |                     |
| Condenser Fan Quantity                 | PC                       | 8  | 8  | 8  | 8  |                     |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>14</sup> )                                       |  |  |                     |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>14</sup> )                                       |  |  |                     |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                     |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>                                      |  |  |                     |
|  | Heating                  | WB   | -25°C <sup>15</sup> ~ 16.5°C                                 |  |  |                     |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                     |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.



| Hi-FLEXi S Series                      | HP                       | 106HP  | 108HP  | 110HP  | 112HP  |                     |
|--|--------------------------|--|--|--|--|---------------------|
| Model                                  |                          | AVWT-1026HKSS  | AVWT-1048HKSS  | AVWT-1066HKSS  | AVWT-1088HKSS  |                     |
| Combination                            |                          | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-250HKSS<br>AVWT-232HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-232HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-250HKSS | AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-272HKSS<br>AVWT-272HKSS |                     |
| Power Supply                           |                          | 380-415V 3N~ 50Hz / 60Hz                                     |  |  |  |                     |
| Cooling Operation <sup>1</sup>         | Rated Capacity           | kW   | 300.5  | 308.0  | 312.5  | 320.0               |
|  | Power Consumption        | kW   | 102.58   | 105.59   | 107.35   | 110.36              |
|  | EER                      |  | 2.93   | 2.92   | 2.91   | 2.90                |
| Heating Operation <sup>1</sup>         | Rated Capacity           | kW   | 335.0  | 345.0  | 350.0  | 360.0               |
|  | Power Consumption        | kW   | 112.08   | 115.82   | 117.9  | 121.64              |
|  | COP                      |  | 2.99   | 2.98   | 2.97   | 2.96                |
| Air Flow Rate                          | m <sup>3</sup> /min      | 1346   | 1346   | 1400   | 1400   |                     |
| Noise level <sup>2</sup>               | dB(A)                    | 73   | 73   | 73   | 73   |                     |
| Cabinet Color <sup>3</sup>             |                          | Grayish White  |  |  |  |                     |
| Compressor Type                        |                          | Enhanced Vapor Injection Compressor                          |  |  |  |                     |
| Refrigerant Type                       |                          | R410A  |  |  |  |                     |
| Gas Line                               | mm                       | Φ50.8  | Φ50.8  | Φ50.8  | Φ50.8  |                     |
| Liquid Line                            | mm                       | Φ25.4  | Φ25.4  | Φ25.4  | Φ25.4  |                     |
| Out Dimension                          | H                        | mm   | 1730   | 1730   | 1730   | 1730                |
|  | W                        | mm   | 1350+1600+1600+1600  | 1350+1600+1600+1600  | 1600+1600+1600+1600  | 1600+1600+1600+1600 |
|  | D                        | mm   | 750  | 750  | 750  | 750                 |
| Packing Dimension                      | H                        | mm   | 1930   | 1930   | 1930   | 1930                |
|  | W                        | mm   | 1420+1665+1665+1665  | 1420+1665+1665+1665  | 1665+1665+1665+1665  | 1665+1665+1665+1665 |
|  | D                        | mm   | 790  | 790  | 790  | 790                 |
| Max.number of connectable IDU          |                          | 64   | 64   | 64   | 64   |                     |
| Max. Fuse Current                      | A                        | 320  | 320  | 320  | 320  |                     |
| Max. Running Current                   | A                        | 225.7  | 227  | 231.5  | 232.8  |                     |
| Net Weight                             | kg                       | 1614   | 1615   | 1659   | 1660   |                     |
| Gross Weight                           | kg                       | 1737   | 1738   | 1787   | 1788   |                     |
| Connection Ratio                       |                          | 50% - 150%   |  |  |  |                     |
| Compressor Quantity                    | PC                       | 8  | 8  | 8  | 8  |                     |
| Condenser Fan Quantity                 | PC                       | 8  | 8  | 8  | 8  |                     |
| Height Difference Between ODU and IDUs | ODUs is Higher Than IDUs | m  | 50 (90 <sup>14</sup> )                                       |  |  |                     |
|  | ODUs is Lower Than IDUs  | m  | 40 (90 <sup>14</sup> )                                       |  |  |                     |
| Height Difference Between IDUs         | m                        | 30   |  |  |  |                     |
| Operation Range                        | Cooling                  | DB   | -5°C~ 52°C <sup>5</sup>                                      |  |  |                     |
|  | Heating                  | WB   | -25°C <sup>15</sup> ~ 16.5°C                                 |  |  |                     |
| Max. Total Piping Length               | m                        | 1000   |  |  |  |                     |

#### Notes:

- Rated cooling capacity and rated heating capacity are tested in the following conditions:  
Cooling conditions: indoor air inlet temperature: 27°C DB 19°C WB, Outdoor air inlet temperature: 35°C DB, pipe length: 7.5m, pipe height difference: 0m  
Heating conditions: indoor air inlet temperature: 20°C DB, Outdoor air inlet temperature: 7°C DB 6°C WB, pipe length: 7.5m, pipe height difference : 0m
- The above noise values are measured in the anechoic chamber without reflected echo, therefore the impact of the reflected echo must be included at the scene.
- The final appearance of outdoor units is subject to the actual products.
- For height difference between ODU&IDU more than 50(40)m, please contact our professional engineer.
- When the operation temperature is under 48°C~52°C or -25°C~-20°C, please contact our professional engineer.