



VRF System

FJM System

CAC System

ERV System

Eco Heating System

Control System



DVM S HP / HR

|                                                                                   |             |          | SINGLE |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |
|-----------------------------------------------------------------------------------|-------------|----------|--------|----|----|----|----|----|----|----|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|---|---|---|---|---|
| IMAGE                                                                             | MODEL       | CAPACITY | 8      | 10 | 12 | 14 | 16 | 18 | 20 | 22 |   | 24 | 26 | 28 | 30 | 32 | 34 | 36 | 38 | 40 | 42 | 44 | 46 | 48 | 50 | 52 |   |   |   |   |   |   |
|  | AM080FXVAGH | 8 HP     | 1      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |
|                                                                                   | AM100FXVAGH | 10 HP    | 1      |    |    |    |    |    |    |    |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   |   |   |   |   |   |
|                                                                                   | AM120FXVAGH | 12 HP    | 1      |    |    |    | 2  |    |    |    |   |    |    |    |    |    |    |    | 1  | 1  | 1  | 1  | 1  | 2  |    |    |   | 1 | 1 | 1 |   |   |
|  | AM140FXVAGH | 14 HP    | 1      |    |    |    |    | 1  |    |    |   |    |    |    |    |    |    |    |    | 1  |    |    |    | 1  |    |    |   |   |   |   |   |   |
|                                                                                   | AM160FXVAGH | 16 HP    | 1      |    |    |    |    |    | 1  |    |   |    |    |    |    |    |    |    |    |    | 1  |    |    |    | 1  |    |   |   |   |   |   |   |
|                                                                                   | AM180FXVAGH | 18 HP    | 1      |    |    |    |    |    |    | 1  |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |   |   |   |   |   |   |
|                                                                                   | AM200FXVAGH | 20 HP    | 1      |    |    |    |    |    |    |    | 1 |    |    |    |    |    |    |    |    |    |    |    | 2  |    |    |    | 1 |   |   |   |   |   |
|                                                                                   | AM220FXVAGH | 22 HP    | 1      |    |    |    |    |    |    |    |   | 1  |    |    |    |    |    |    |    |    |    |    |    | 1  | 1  | 1  | 1 |   | 2 | 1 | 1 | 1 |

\* If you wish to install outdoor unit module with capacity over 66 HP, please contact local Samsung Dealer.

DVM S HP / HR

|                                                                                     |             |          | MODULE |    |    |    |    |    |    |    |  |  |    |    |    |    |    |    |
|-------------------------------------------------------------------------------------|-------------|----------|--------|----|----|----|----|----|----|----|--|--|----|----|----|----|----|----|
| IMAGE                                                                               | MODEL       | CAPACITY | 54     | 56 | 58 | 60 | 62 | 64 | 66 | 68 |  |  | 70 | 72 | 74 | 76 | 78 | 80 |
|  | AM080FXVAGH | 8 HP     |        |    |    |    |    |    |    |    |  |  |    |    |    |    |    |    |
|                                                                                     | AM100FXVAGH | 10 HP    |        |    |    |    |    |    |    |    |  |  |    |    |    |    |    |    |
|                                                                                     | AM120FXVAGH | 12 HP    | 1      | 1  |    |    |    |    |    | 2  |  |  | 1  | 1  | 1  | 1  | 1  |    |
|  | AM140FXVAGH | 14 HP    |        |    | 1  |    |    |    |    |    |  |  | 1  |    |    |    |    | 1  |
|                                                                                     | AM160FXVAGH | 16 HP    |        |    |    | 1  |    |    |    |    |  |  |    | 1  |    |    |    |    |
|                                                                                     | AM180FXVAGH | 18 HP    |        |    |    |    |    |    |    |    |  |  |    |    | 1  |    |    |    |
|                                                                                     | AM200FXVAGH | 20 HP    | 1      |    |    |    |    | 2  | 1  |    |  |  |    |    |    |    | 1  |    |
|                                                                                     | AM220FXVAGH | 22 HP    | 1      | 2  | 2  | 2  | 1  | 2  | 3  | 2  |  |  | 2  | 2  | 2  | 2  | 3  | 3  |

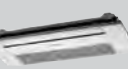
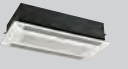
\* If you wish to install outdoor unit module with capacity over 66 HP, please contact local Samsung Dealer.

DVM S Mini

| IMAGE                                                                                 | CAPACITY |  | 4HP | 5HP | 6HP |
|---------------------------------------------------------------------------------------|----------|--|-----|-----|-----|
|                                                                                       | PHASE    |  |     |     |     |
|  | 1 Phase  |  | ●   | ●   | ●   |
|                                                                                       | 3 Phase  |  | ●   | ●   | ●   |



Cassette

| MODEL         |                                                                                                            |  |  |  |  |
|---------------|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPACITY (kW) | 2.2                                                                                                        |                                                                                   | ●                                                                                 | ●                                                                                   |                                                                                     |
|               | 2.8                                                                                                        |                                                                                   | ●                                                                                 | ●                                                                                   |                                                                                     |
|               | 3.6                                                                                                        |                                                                                   | ●                                                                                 | ●                                                                                   |                                                                                     |
|               | 4.5                                                                                                        | ●                                                                                 | ●                                                                                 |                                                                                     |                                                                                     |
|               | 5.6                                                                                                        | ●                                                                                 | ●                                                                                 |                                                                                     | ●                                                                                   |
|               | 6.0                                                                                                        |                                                                                   | ●                                                                                 |                                                                                     |                                                                                     |
|               | 7.1                                                                                                        | ●                                                                                 |                                                                                   |                                                                                     | ●                                                                                   |
|               | 9.0                                                                                                        | ●                                                                                 |                                                                                   |                                                                                     |                                                                                     |
|               | 11.2                                                                                                       | ●                                                                                 |                                                                                   |                                                                                     |                                                                                     |
|               | 12.8                                                                                                       | ●                                                                                 |                                                                                   |                                                                                     |                                                                                     |
|               | 14.0                                                                                                       | ●                                                                                 |                                                                                   |                                                                                     |                                                                                     |
| FEATURES      |  Powerful Airflow         | ●                                                                                 | ●                                                                                 | ●                                                                                   |                                                                                     |
|               |  Ceiling Dust Prevention  | ●                                                                                 | ●                                                                                 | ●                                                                                   |                                                                                     |
|               |  Fresh Air Intake         | ●                                                                                 | ●                                                                                 |                                                                                     |                                                                                     |
|               |  High Lift-up Drain Pump | ●                                                                                 | ●                                                                                 | ●                                                                                   | ●                                                                                   |
|               |  Sub Duct               | ●                                                                                 | ●                                                                                 |                                                                                     |                                                                                     |

Duct

| MODEL    |                                                                                                             |  |  |  |
|----------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CAPACITY | 1.7                                                                                                         |                                                                                     |                                                                                      | ●                                                                                     |
|          | 2.2                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 2.8                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 3.6                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 4.5                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 5.6                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 7.1                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 9.0                                                                                                         |                                                                                     | ●                                                                                    | ●                                                                                     |
|          | 11.2                                                                                                        | ●                                                                                   | ●                                                                                    | ●                                                                                     |
|          | 12.8                                                                                                        | ●                                                                                   | ●                                                                                    | ●                                                                                     |
|          | 14.0                                                                                                        | ●                                                                                   | ●                                                                                    | ●                                                                                     |
|          | 22.0                                                                                                        | ●                                                                                   |                                                                                      |                                                                                       |
|          | 28.0                                                                                                        | ●                                                                                   |                                                                                      |                                                                                       |
| FEATURES |  Pre Filter              | ●                                                                                   | ●                                                                                    | ●                                                                                     |
|          |  Easy Filter Cleaning    | ●                                                                                   | ●                                                                                    | ●                                                                                     |
|          |  High Lift-up Drain Pump | ●                                                                                   | ●                                                                                    | ●                                                                                     |
|          |  Smart Pressure Control  | ●                                                                                   | ●                                                                                    | ●                                                                                     |

Wall-mounted

| MODEL    |                                                                                                        |  |  |
|----------|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPACITY | 2.2                                                                                                    | ●                                                                                   | ●                                                                                   |
|          | 2.8                                                                                                    | ●                                                                                   | ●                                                                                   |
|          | 3.6                                                                                                    | ●                                                                                   | ●                                                                                   |
|          | 4.5                                                                                                    |                                                                                     | ●                                                                                   |
|          | 5.6                                                                                                    | ●                                                                                   | ●                                                                                   |
|          | 7.1                                                                                                    | ●                                                                                   | ●                                                                                   |
| FEATURES |  Deodorizing Filter | ●                                                                                   | ●                                                                                   |
|          |  good sleep         | ●                                                                                   | ●                                                                                   |

Console & Ceiling

| MODEL    |                                                                                                                  |  |  |
|----------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CAPACITY | 2.8                                                                                                              | ●                                                                                     |                                                                                       |
|          | 3.6                                                                                                              | ●                                                                                     |                                                                                       |
|          | 5.6                                                                                                              | ●                                                                                     | ●                                                                                     |
|          | 7.1                                                                                                              |                                                                                       | ●                                                                                     |
| FEATURES |  Virus Doctor               | ●                                                                                     |                                                                                       |
|          |  Interior Design            | ●                                                                                     | ●                                                                                     |
|          |  Anti-virus Filter          | ●                                                                                     | ●                                                                                     |
|          |  Lightweight Unit           | ●                                                                                     | ●                                                                                     |
|          |  Flexible Pipe Installation | ●                                                                                     | ●                                                                                     |

Concealed Floor Standing

| MODEL    |     |  |
|----------|-----|---------------------------------------------------------------------------------------|
| CAPACITY | 3.6 | ●                                                                                     |
|          | 5.6 | ●                                                                                     |
|          | 7.1 | ●                                                                                     |





Lineup - ERV Plus

| Model \ Air Volume (m³/hr) | 500                                                                                | 1000                                                                                |
|----------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| ERV PLUS                   |  |  |



Feature - ERV Plus

|                                     | <br>ERV PLUS |
|-------------------------------------|--------------------------------------------------------------------------------------------------|
| Damper                              | •                                                                                                |
| Direct Expansion (DX) Coil          | •                                                                                                |
| Humidifier element (Optional)       | •                                                                                                |
| Supply/Exhaust Fan                  | •                                                                                                |
| Dust Filter                         | •                                                                                                |
| Heat Exchanger Element              | •                                                                                                |
| Control Box                         | •                                                                                                |
| Temperature Sensor                  | •                                                                                                |
| CO <sub>2</sub> Sensor (Optional)   | •                                                                                                |
| BLDC Fan Motor                      | •                                                                                                |
| Energy Saving Operation (Auto Mode) | •                                                                                                |
| New Diamond Type Element            | •                                                                                                |
| Flexible Installation               |                                                                                                  |
| Slim Design                         | •                                                                                                |
| Silent Operation                    | •                                                                                                |
| S-Plasma ion (Optional)             | •                                                                                                |





## DVMS

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVM S HP / HR

| Model Name                  |                         |            |         | DVM S HP          | AM080FXVAGH        | AM100FXVAGH        | AM120FXVAGH         | AM140FXVAGH         | AM160FXVAGH         | AM180FXVAGH         |         |
|-----------------------------|-------------------------|------------|---------|-------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|---------|
| Power Supply                |                         |            |         | DVM S HR          | AM080FXVAGR        | AM100FXVAGR        | AM120FXVAGR         | AM140FXVAGR         | AM160FXVAGR         | AM180FXVAGR         |         |
| Mode                        |                         |            |         | Φ, #, V, Hz       | 3,4,380-415,50     | 3,4,380-415,50     | 3,4,380-415,50      | 3,4,380-415,50      | 3,4,380-415,50      | 3,4,380-415,50      |         |
|                             |                         |            |         | -                 | HP / HR            | HP / HR            | HP / HR             | HP / HR             | HEAT PUMP           | HEAT PUMP           |         |
| Performance                 | HP                      | Cooling    | HP      | 8.00              | 10.00              | 12.00              | 14.00               | 16.00               | 18.00               |                     |         |
|                             |                         |            | kW      | 22.40             | 28.00              | 33.60              | 40.00               | 45.00               | 50.40               |                     |         |
|                             | Capacity (Nominal)      |            | Btu/h   | 76,400            | 95,500             | 114,600            | 136,500             | 153,500             | 172,000             |                     |         |
|                             |                         |            | kW      | 25.20             | 31.50              | 37.80              | 45.00               | 50.00               | 56.70               |                     |         |
|                             |                         |            |         | Heating           | Btu/h              | 86,000             | 107,500             | 129,000             | 153,500             | 170,600             | 193,500 |
| Power                       | Power Input (Nominal)   | Cooling 1) | kW      | 5.00              | 6.80               | 8.40               | 8.90                | 11.00               | 12.88               |                     |         |
|                             |                         | Heating 2) |         | 5.10              | 6.70               | 8.70               | 9.50                | 11.50               | 11.90               |                     |         |
|                             | Current Input (Nominal) | Cooling 1) | A       | 8.00              | 10.90              | 13.50              | 14.30               | 17.60               | 20.70               |                     |         |
|                             |                         | Heating 2) |         | 8.20              | 10.70              | 14.00              | 15.20               | 18.40               | 19.10               |                     |         |
| MCA                         |                         |            |         | 22.50 (MCA)       | 29.90 (MCA)        | 31.30 (MCA)        | 31.30 (MCA)         | 40.00 (MCA)         | 48.90 (MCA)         |                     |         |
| MFA                         |                         |            |         | A                 | 30.00              | 40.00              | 40.00               | 40.00               | 40.00               | 50.00               |         |
| COP                         | Nominal Cooling         |            |         | -                 | 4.48               | 4.12               | 4.00                | 4.49                | 4.09                | 3.91                |         |
|                             | Nominal Heating         |            |         | -                 | 4.94               | 4.70               | 4.34                | 4.74                | 4.35                | 4.76                |         |
|                             | ESEER (HP)              |            |         |                   | 7.85               | 7.25               | 7.03                | 7.02                | 6.78                | 6.59                |         |
| Compressor                  | Type                    |            |         | -                 | SSC Scroll x 1     | SSC Scroll x 1     | SSC Scroll x 1      | SSC Scroll x 1      | SSC Scroll x 2      | SSC Scroll x 2      |         |
|                             | Output                  |            |         | kW x n            | (4.96)             | (6.13)             | (6.13)              | (6.13)              | (4.96x2)            | (6.13x2)            |         |
|                             | Model Name              |            |         | -                 | DS-GB052FAVASG x 1 | DS-GB066FAVASG x 1 | DS-GB066FAVASG x 1  | DS-GB066FAVASG x 1  | DS-GB052FAVASG x 2  | DS-GB066FAVASG x 2  |         |
|                             | Oil                     | Type       | -       | PVE               | PVE                | PVE                | PVE                 | PVE                 | PVE                 | PVE                 |         |
| Initial Charge              |                         | cc         | 2300    | 2300              | 2300               | 2300               | 4600                | 4600                |                     |                     |         |
| Fan                         | Type                    |            |         | -                 | Propeller          | Propeller          | Propeller           | Propeller           | Propeller           | Propeller           |         |
|                             | Output x n              |            |         | W                 | 400 x 1            | 400 x 1            | 400 x 1             | 620 x 2             | 620 x 2             | 620 x 2             |         |
|                             | Air Flow Rate           |            |         | CMM               | 145                | 145                | 190                 | 260                 | 260                 | 270                 |         |
|                             |                         |            |         | l/s               | 2,416.67           | 2,416.67           | 3,166.67            | 4,333.33            | 4,333.33            | 4,500.00            |         |
| External Static Pressure    |                         |            |         | Max.              | mmAq               | 8.00               | 8.00                | 8.00                | 8.00                | 8.00                |         |
|                             |                         |            |         |                   | Pa                 | 78.45              | 78.45               | 78.45               | 78.45               | 78.45               |         |
| Piping Connections          | Liquid Pipe             | Φ, mm      |         | 9.52              | 9.52               | 12.70              | 12.70               | 12.70               | 15.88               |                     |         |
|                             |                         | Φ, inch    |         | 3/8"              | 3/8"               | 1/2"               | 1/2"                | 1/2"                | 5/8"                |                     |         |
|                             | Gas Pipe                | Φ, mm      |         | 19.05             | 22.22              | 28.58              | 28.58               | 28.58               | 28.58               |                     |         |
|                             |                         | Φ, inch    |         | 3/4"              | 7/8"               | 1 1/8"             | 1 1/8"              | 1 1/8"              | 1 1/8"              |                     |         |
|                             | Discharge Gas Pipe      | (HR)       | Φ, mm   | 15.88             | 19.05              | 19.05              | 22.22               | 22.22               | 22.22               |                     |         |
|                             |                         |            | Φ, inch | 5/8"              | 3/4"               | 7/8"               | 7/8"                | 7/8"                | 7/8"                |                     |         |
| Installation Limitation     |                         |            |         | Max. Length       | m                  | 200(220)           | 200(220)            | 200(220)            | 200(220)            |                     |         |
|                             |                         |            |         | Max. Height       | m                  | 110(40)            | 110(40)             | 110(40)             | 110(40)             |                     |         |
| Field Wiring                | Power Source Wire       |            |         | mm2               | -                  | -                  | -                   | -                   | -                   | -                   |         |
|                             | Transmission Cable      |            |         | mm2               | 0.75 ~ 1.5         | 0.75 ~ 1.5         | 0.75 ~ 1.5          | 0.75 ~ 1.5          | 0.75 ~ 1.5          | 0.75 ~ 1.5          |         |
| Refrigerant                 | Type                    |            |         | -                 | R410A              | R410A              | R410A               | R410A               | R410A               | R410A               |         |
|                             | Factory Charging        |            |         | kg                | 5.50               | 5.20               | 5.50                | 7.70                | 8.70                | 8.70                |         |
| Sound                       | Sound Pressure          |            |         | dB(A)             | 57.0               | 58.0               | 62.0                | 61.0                | 63.0                | 64.0                |         |
|                             | Sound Power             |            |         | dB(A)             | 77.0               | 79.0               | 81.0                | 81.0                | 83.0                | 86.0                |         |
| External Dimension          | Net Weight              | DVM S HP   | 190.0   | 190.0             | 190.0              | 235.0              | 278.0               | 300.0               |                     |                     |         |
|                             |                         | DVM S HR   | 195.0   | 195.0             | 195.0              | 241.0              | 284.0               | 306.0               |                     |                     |         |
|                             | Shipping Weight         | DVM S HP   | 206.0   | 206.0             | 206.0              | 254.0              | 297.0               | 319.0               |                     |                     |         |
|                             |                         | DVM S HR   | 211.0   | 211.0             | 211.0              | 260.0              | 303.0               | 325.0               |                     |                     |         |
|                             | Net Dimensions (WxHxD)  |            |         | mm                | 880 x 1,695 x 765  | 880 x 1,695 x 765  | 880 x 1,695 x 765   | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 |         |
| Shipping Dimensions (WxHxD) |                         |            | mm      | 948 x 1,857 x 832 | 948 x 1,857 x 832  | 948 x 1,857 x 832  | 1,363 x 1,857 x 832 | 1,363 x 1,857 x 832 | 1,363 x 1,857 x 832 |                     |         |
| Operating Temp. Range       | Cooling (HP)            |            |         | •C                | -5.0 ~ 48.0        | -5.0 ~ 48.0        | -5.0 ~ 48.0         | -5.0 ~ 48.0         | -5.0 ~ 48.0         | -5.0 ~ 48.0         |         |
|                             | Heating                 |            |         | •C                | -20.0 ~ 24.0       | -20.0 ~ 24.0       | -20.0 ~ 24.0        | -20.0 ~ 24.0        | -20.0 ~ 24.0        | -20.0 ~ 24.0        |         |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.  
 \* If you wish to install an outdoor unit module with a capacity of over 66 HP, then please contact your local Samsung Dealer.  
 \* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.



# DVM S Specification - Outdoor Units



**DVM S**  
DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

| DVM S HP / HR         |                             |                |                |                     |                     |                         |                                         |                                         |  |
|-----------------------|-----------------------------|----------------|----------------|---------------------|---------------------|-------------------------|-----------------------------------------|-----------------------------------------|--|
| Model Name            |                             | DVM S HP       | AM200FXVAGH    | AM220FXVAGH         | AM240FXVAGH         | AM260FXVAGH             | AM280FXVAGH                             | AM300FXVAGH                             |  |
|                       |                             | DVM S HR       | AM200FXVAGR    | AM220FXVAGR         | AM240FXVAGR         | AM260FXVAGR             | AM280FXVAGR                             | AM300FXVAGR                             |  |
| Power Supply          |                             | Φ, #, V, Hz    | 3,4,380-415,50 | 3,4,380-415,50      | 3,4,380-415,50      | 3,4,380-415,50          | 3,4,380-415,50                          | 3,4,380-415,50                          |  |
| Mode                  |                             | -              | HEAT PUMP      | HEAT PUMP           | HEAT PUMP           | HEAT PUMP               | HEAT PUMP                               | HEAT PUMP                               |  |
| Performance           | HP                          | HP             | 20.00          | 22.00               | 24.00               | 26.00                   | 28.00                                   | 30.00                                   |  |
|                       |                             | kW             | 56.00          | 61.60               | 67.20               | 73.60                   | 78.60                                   | 84.00                                   |  |
|                       | Capacity (Nominal)          | Cooling        | Btu/h          | 191,100             | 210,200             | 229,300                 | 251,100                                 | 268,200                                 |  |
|                       |                             | Heating        | kW             | 63.00               | 69.30               | 75.60                   | 82.80                                   | 87.80                                   |  |
| Power                 | Power Input (Nominal)       | Cooling 1)     | kW             | 15.19               | 17.35               | 16.80                   | 17.30                                   | 19.40                                   |  |
|                       |                             | Heating 2)     | kW             | 13.90               | 16.70               | 17.40                   | 18.20                                   | 20.20                                   |  |
|                       | Current Input (Nominal)     | Cooling 1)     | A              | 24.40               | 27.80               | 27.00                   | 27.80                                   | 31.10                                   |  |
|                       |                             | Heating 2)     | A              | 22.30               | 26.80               | 28.00                   | 29.20                                   | 32.40                                   |  |
| COP                   | MCA                         |                | 52.50 (MCA)    | 55.60 (MCA)         | 62.60 (MCA)         | 62.60 (MCA)             | 71.30 (MCA)                             | 80.20 (MCA)                             |  |
|                       | MFA                         |                | 75.00          | 75.00               | 75.00               | 75.00                   | 75.00                                   | 90.00                                   |  |
|                       | Nominal Cooling             |                | -              | 3.69                | 3.55                | 4.00                    | 4.25                                    | 4.05                                    |  |
|                       | Nominal Heating             |                | -              | 4.53                | 4.15                | 4.34                    | 4.55                                    | 4.35                                    |  |
| Compressor            | ESEER (HP)                  |                | 6.56           | 6.25                | 7.03                | 7.03                    | 6.91                                    | 6.81                                    |  |
|                       | Type                        |                | -              | SSC Scroll x 2      | SSC Scroll x 2      | SSC Scroll x 2          | SSC Scroll x 2                          | SSC Scroll x 3                          |  |
|                       | Output                      |                | kW x n         | (6.13x2)            | (6.13)x2            | (6.13) + (4.96x2)       | (6.13) + (4.96x2)                       | (6.13) + (6.13x2)                       |  |
|                       | Model Name                  |                | -              | DS-GB066FAVASG x 2  | DS-GB066FAVASG x 2  | DS-GB066FAVASG x 2      | DS-GB066FAVASG x 2                      | DS-GB066FAVASG x 1 + DS-GB052FAVASG x 2 |  |
| Fan                   | Oil                         | Type           | -              | PVE                 | PVE                 | PVE                     | PVE                                     | PVE                                     |  |
|                       |                             | Initial Charge | cc             | 4600                | 4600                | 4600                    | 4600                                    | 6900                                    |  |
|                       | Type                        | -              | Propeller      | Propeller           | Propeller           | Propeller               | Propeller                               | Propeller                               |  |
|                       |                             | Output x n     | W              | 620 x 2             | 620 x 2             | (400 x 1) x 2           | 400 x 1 + 620 x 2                       | 400 x 1 + 620 x 2                       |  |
| Piping Connections    | Air Flow Rate               |                | CMM            | 275                 | 295                 | 190 x 2                 | 190 + 260                               | 190 + 270                               |  |
|                       | External Static Pressure    |                | l/s            | 4,583.33            | 4,916.67            | 3,166.67 x 2            | 3,166.67 + 4,333.33                     | 3,166.67 + 4,500.00                     |  |
|                       | Max.                        | mmAq           | 8.00           | 8.00                | 8.00                | 8.00                    | 8.00                                    | 8.00                                    |  |
|                       |                             | Pa             | 78.45          | 78.45               | 78.45               | 78.45                   | 78.45                                   | 78.45                                   |  |
| Field Wiring          | Liquid Pipe                 | Φ, mm          | 15.88          | 15.88               | 15.88               | 19.05                   | 19.05                                   | 19.05                                   |  |
|                       |                             | Φ, inch        | 5/8"           | 5/8"                | 5/8"                | 3/4"                    | 3/4"                                    | 3/4"                                    |  |
|                       | Gas Pipe                    | Φ, mm          | 28.58          | 28.58               | 28.58               | 34.92                   | 34.92                                   | 34.92                                   |  |
|                       |                             | Φ, inch        | 1 1/8"         | 1 1/8"              | 1 1/8"              | 1 3/8"                  | 1 3/8"                                  | 1 3/8"                                  |  |
| Refrigerant           | Discharge Gas Pipe (HR)     |                | Φ, mm          | 28.58               | 28.58               | 28.58                   | 28.58                                   | 28.58                                   |  |
|                       |                             |                | Φ, inch        | 1 1/8"              | 1 1/8"              | 1 1/8"                  | 1 1/8"                                  | 1 1/8"                                  |  |
|                       | Installation Limitation     |                | Max. Length    | 200(220)            | 200(220)            | 200(220)                | 200(220)                                | 200(220)                                |  |
|                       |                             |                | Max. Height    | 110(40)             | 110(40)             | 110(40)                 | 110(40)                                 | 110(40)                                 |  |
| Sound                 | Power Source Wire           |                | mm2            | -                   | -                   | -                       | -                                       | -                                       |  |
|                       | Transmission Cable          |                | mm2            | 0.75 ~ 1.5          | 0.75 ~ 1.5          | 0.75 ~ 1.5              | 0.75 ~ 1.5                              | 0.75 ~ 1.5                              |  |
|                       | Type                        |                | -              | R410A               | R410A               | R410A                   | R410A                                   | R410A                                   |  |
|                       | Factory Charging            |                | kg             | 8.40                | 8.40                | 11.00                   | 13.20                                   | 14.20                                   |  |
| External Dimension    | Sound Pressure              |                | dB(A)          | 65.0                | 65.0                | -                       | -                                       | -                                       |  |
|                       | Sound Power                 |                | dB(A)          | 87.0                | 87.0                | -                       | -                                       | -                                       |  |
|                       | Net Weight                  | DVM S HP       | kg             | 300.0               | 300.0               | 190.0 x 2               | 190.0 + 235.0                           | 190.0 + 278.0                           |  |
|                       |                             | DVM S HR       | kg             | 306.0               | 306.0               | 195.0 x 2               | 195.0 + 241.0                           | 195.0 + 284.0                           |  |
| Operating Temp. Range | Shipping Weight             | DVM S HP       | kg             | 319.0               | 319.0               | 206.0 x 2               | 206.0 + 254.0                           | 206.0 + 297.0                           |  |
|                       |                             | DVM S HR       | kg             | 325.0               | 325.0               | 211.0 x 2               | 211.0 + 260.0                           | 211.0 + 303.0                           |  |
|                       | Net Dimensions (WxHxD)      |                | mm             | 1,295 x 1,695 x 765 | 1,295 x 1,695 x 765 | (880 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 |  |
|                       | Shipping Dimensions (WxHxD) |                | mm             | 1,363 x 1,857 x 832 | 1,363 x 1,857 x 832 | (948 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 |  |
|                       | Cooling (HP)                |                | °C             | -5.0 ~ 48.0         | -5.0 ~ 48.0         | -5.0 ~ 48.0             | -5.0 ~ 48.0                             | -5.0 ~ 48.0                             |  |
|                       | Heating                     |                | °C             | -20.0 ~ 24.0        | -20.0 ~ 24.0        | -20.0 ~ 24.0            | -20.0 ~ 24.0                            | -20.0 ~ 24.0                            |  |

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 \* If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.  
 \* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.



## DVMS

DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVMS HP / HR

| Model Name            |                             |            |       | DVM S HP    | AM320FXVAGH                             | AM340FXVAGH                             | AM360FXVAGH               | AM380FXVAGH                             | AM400FXVAGH               | AM420FXVAGH               |
|-----------------------|-----------------------------|------------|-------|-------------|-----------------------------------------|-----------------------------------------|---------------------------|-----------------------------------------|---------------------------|---------------------------|
| Power Supply          |                             |            |       | DVM S HR    | AM320FXVAGR                             | AM340FXVAGR                             | AM360FXVAGR               | AM380FXVAGR                             | AM400FXVAGR               | AM420FXVAGR               |
| Mode                  |                             |            |       | Φ, #, V, Hz | 3,4,380-415,50                          | 3,4,380-415,50                          | 3,4,380-415,50            | 3,4,380-415,50                          | 3,4,380-415,50            | 3,4,380-415,50            |
| Performance           |                             |            |       | HP          | 32.00                                   | 34.00                                   | 36.00                     | 38.00                                   | 40.00                     | 42.00                     |
| Performance           | HP                          | Cooling    | kW    | 89.60       | 95.20                                   | 101.60                                  | 106.60                    | 112.00                                  | 117.60                    |                           |
|                       |                             |            | Btu/h | 305,700     | 324,800                                 | 346,700                                 | 363,700                   | 382,200                                 | 401,300                   |                           |
|                       |                             |            | kW    | 100.80      | 107.10                                  | 114.30                                  | 119.30                    | 126.00                                  | 132.30                    |                           |
|                       |                             |            | Btu/h | 343,900     | 365,400                                 | 390,000                                 | 407,100                   | 429,900                                 | 451,400                   |                           |
| Power                 | Power Input (Nominal)       | Cooling 1) | 23.59 | 25.75       | 26.25                                   | 28.35                                   | 30.38                     | 32.54                                   |                           |                           |
|                       |                             | Heating 2) | kW    | 22.60       | 25.40                                   | 26.20                                   | 28.20                     | 27.80                                   | 30.60                     |                           |
|                       |                             | Cooling 1) | 37.90 | 41.30       | 42.10                                   | 45.40                                   | 48.80                     | 52.20                                   |                           |                           |
|                       |                             | Heating 2) | A     | 36.30       | 40.80                                   | 42.00                                   | 45.20                     | 44.60                                   | 49.10                     |                           |
| MCA                   |                             |            |       | 83.80 (MCA) | 86.90 (MCA)                             | 86.90 (MCA)                             | 95.60 (MCA)               | 105.00 (MCA)                            | 108.10 (MCA)              |                           |
| MFA                   |                             |            |       | A           | 90.00                                   | 90.00                                   | 90.00                     | 100.00                                  | 100.00                    | 125.00                    |
| COP                   | Nominal Cooling             |            |       | -           | 3.80                                    | 3.70                                    | 3.87                      | 3.76                                    | 3.69                      | 3.61                      |
|                       | Nominal Heating             |            |       | -           | 4.46                                    | 4.22                                    | 4.36                      | 4.23                                    | 4.53                      | 4.32                      |
|                       | ESEER (HP)                  |            |       | -           | 6.80                                    | 6.64                                    | 6.64                      | 6.52                                    | 6.56                      | 6.41                      |
| Compressor            | Type                        |            |       | -           | SSC Scroll x 3                          | SSC Scroll x 3                          | SSC Scroll x 3            | SSC Scroll x 4                          | SSC Scroll x 4            | SSC Scroll x 4            |
|                       | Output                      |            |       | kW x n      | (6.13) + (6.13x2)                       | (6.13) + (6.13x2)                       | (6.13) + (6.13x2)         | (4.96x2) + (6.13x2)                     | (6.13x2)x2                | (6.13x2) + (6.13x2)       |
|                       | Model Name                  |            |       | -           | DS-GB066FAVASG x 3                      | DS-GB066FAVASG x 3                      | DS-GB066FAVASG x 3        | DS-GB052FAVASG x 2 + DS-GB066FAVASG x 2 | DS-GB066FAVASG x 4        | DS-GB066FAVASG x 4        |
|                       | Oil                         | Type       | -     | PVE         | PVE                                     | PVE                                     | PVE                       | PVE                                     | PVE                       | PVE                       |
| Initial Charge        |                             | cc         | 6900  | 6900        | 6900                                    | 9200                                    | 9200                      | 9200                                    | 9200                      |                           |
| Fan                   | Type                        |            |       | -           | Propeller                               | Propeller                               | Propeller                 | Propeller                               | Propeller                 | Propeller                 |
|                       | Output x n                  |            |       | W           | 400 x 1 + 620 x 2                       | 400 x 1 + 620 x 2                       | (620 x 2) x 2             | (620 x 2) x 2                           | (620 x 2) x 2             | (620 x 2) x 2             |
|                       | Air Flow Rate               | CMM        |       |             | 190 + 275                               | 190 + 295                               | 260 + 295                 | 260 + 295                               | 275 x 2                   | 275 + 295                 |
|                       |                             | l/s        |       |             | 3,166.67 + 4,583.33                     | 3,166.67 + 4,916.67                     | 4,333.33 + 4,916.67       | 4,333.33 + 4,916.67                     | 4,583.33 x 2              | 4,583.33 + 4,916.67       |
| Piping Connections    | External Static Pressure    |            | Max.  | mmAq        | 8.00                                    | 8.00                                    | 8.00                      | 8.00                                    | 8.00                      | 8.00                      |
|                       |                             |            |       | Pa          | 78.45                                   | 78.45                                   | 78.45                     | 78.45                                   | 78.45                     | 78.45                     |
|                       | Liquid Pipe                 |            |       | Φ, mm       | 19.05                                   | 19.05                                   | 19.05                     | 19.05                                   | 19.05                     | 19.05                     |
|                       |                             |            |       | Φ, inch     | 3/4"                                    | 3/4"                                    | 3/4"                      | 3/4"                                    | 3/4"                      | 3/4"                      |
|                       | Gas Pipe                    |            |       | Φ, mm       | 34.92                                   | 34.92                                   | 41.28                     | 41.28                                   | 41.28                     | 41.28                     |
|                       |                             |            |       | Φ, inch     | 1 3/8"                                  | 1 3/8"                                  | 1 5/8"                    | 1 5/8"                                  | 1 5/8"                    | 1 5/8"                    |
|                       | Discharge Gas Pipe (HR)     |            |       | Φ, mm       | 28.58                                   | 28.58                                   | 34.92                     | 34.92                                   | 34.92                     | 34.92                     |
|                       |                             |            |       | Φ, inch     | 1 1/8"                                  | 1 1/8"                                  | 1 3/8"                    | 1 3/8"                                  | 1 3/8"                    | 1 3/8"                    |
| Field Wiring          | Power Source Wire           |            | mm2   | -           | -                                       | -                                       | -                         | -                                       | -                         | -                         |
|                       | Transmission Cable          |            | mm2   | 0.75 ~ 1.5  | 0.75 ~ 1.5                              | 0.75 ~ 1.5                              | 0.75 ~ 1.5                | 0.75 ~ 1.5                              | 0.75 ~ 1.5                | 0.75 ~ 1.5                |
| Refrigerant           | Type                        |            |       | -           | R410A                                   | R410A                                   | R410A                     | R410A                                   | R410A                     | R410A                     |
|                       | Factory Charging            |            |       | kg          | 13.90                                   | 13.90                                   | 16.10                     | 15.80                                   | 16.80                     | 16.80                     |
| Sound                 | Sound Pressure              |            |       | dB(A)       | -                                       | -                                       | -                         | -                                       | -                         | -                         |
|                       | Sound Power                 |            |       | dB(A)       | -                                       | -                                       | -                         | -                                       | -                         | -                         |
| External Dimension    | Net Weight                  |            |       | DVM S HP    | 190.0 + 300.0                           | 190.0 + 300.0                           | 235.0 + 300.0             | 278.0 + 300.0                           | 300.0 x 2                 | 300.0 x 2                 |
|                       |                             |            |       | DVM S HR    | 195.0 + 306.0                           | 195.0 + 306.0                           | 241.0 + 306.0             | 284.0 + 306.0                           | 306.0 x 2                 | 306.0 x 2                 |
|                       | Shipping Weight             |            |       | DVM S HP    | 206.0 + 319.0                           | 206.0 + 319.0                           | 254.0 + 319.0             | 297.0 + 319.0                           | 319.0 x 2                 | 319.0 x 2                 |
|                       |                             |            |       | DVM S HR    | 211.0 + 325.0                           | 211.0 + 325.0                           | 260.0 + 325.0             | 303.0 + 325.0                           | 325.0 x 2                 | 325.0 x 2                 |
|                       | Net Dimensions (WxHxD)      |            |       | mm          | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + 1,295 x 1,695 x 765 | (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 2               | (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 2 |
|                       | Shipping Dimensions (WxHxD) |            |       | mm          | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 | 948 x 1,857 x 832 + 1,363 x 1,857 x 832 | (1,363 x 1,857 x 832) x 2 | (1,363 x 1,857 x 832) x 2               | (1,363 x 1,857 x 832) x 2 | (1,363 x 1,857 x 832) x 2 |
| Operating Temp. Range | Cooling (HP)                |            |       | •C          | -5.0 ~ 48.0                             | -5.0 ~ 48.0                             | -5.0 ~ 48.0               | -5.0 ~ 48.0                             | -5.0 ~ 48.0               | -5.0 ~ 48.0               |
|                       | Heating                     |            |       | •C          | -20.0 ~ 24.0                            | -20.0 ~ 24.0                            | -20.0 ~ 24.0              | -20.0 ~ 24.0                            | -20.0 ~ 24.0              | -20.0 ~ 24.0              |

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\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.

# DVM S Specification - Outdoor Units



**DVM S**  
DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

## DVM S HP / HR

| Model Name                  |                          |            |             | DVM S HP                  | AM440FXVAGH                                   | AM460FXVAGH                                   | AM480FXVAGH                                   | AM500FXVAGH                                   | AM520FXVAGH                                   | AM540FXVAGH                                   |
|-----------------------------|--------------------------|------------|-------------|---------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
|                             |                          |            |             | DVM S HR                  | AM440FXVAGR                                   | AM460FXVAGR                                   | AM480FXVAGR                                   | AM500FXVAGR                                   | AM520FXVAGR                                   | AM540FXVAGR                                   |
| Power Supply                |                          |            |             | Φ, #, V, Hz               | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                |
| Mode                        |                          |            |             | -                         | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     |
| Performance                 | HP                       | Cooling    | HP          | 44.00                     | 46.00                                         | 48.00                                         | 50.00                                         | 52.00                                         | 54.00                                         |                                               |
|                             |                          |            | kW          | 123.20                    | 128.80                                        | 135.20                                        | 140.20                                        | 145.60                                        | 151.20                                        |                                               |
|                             | Capacity (Nominal)       |            | Heating     | Btu/h                     | 420,400                                       | 439,500                                       | 461,300                                       | 478,400                                       | 496,800                                       | 515,900                                       |
|                             |                          |            |             | kW                        | 138.60                                        | 144.90                                        | 152.10                                        | 157.10                                        | 163.80                                        | 170.10                                        |
| Power                       | Power Input (Nominal)    | Cooling 1) | kW          | 472,900                   | 494,400                                       | 519,000                                       | 536,000                                       | 558,900                                       | 580,400                                       |                                               |
|                             |                          |            |             | Btu/h                     | 34.70                                         | 34.15                                         | 34.65                                         | 36.75                                         | 38.63                                         | 40.94                                         |
|                             | Current Input (Nominal)  | Cooling 2) | kW          | 33.40                     | 34.10                                         | 34.90                                         | 36.90                                         | 37.30                                         | 39.30                                         |                                               |
|                             |                          |            |             | Btu/h                     | 55.60                                         | 54.80                                         | 55.60                                         | 58.90                                         | 62.00                                         | 65.70                                         |
|                             | MCA                      | Heating 2) | A           | 53.60                     | 54.80                                         | 56.00                                         | 59.20                                         | 59.90                                         | 63.10                                         |                                               |
|                             |                          |            |             | 111.20 (MCA)              | 118.20 (MCA)                                  | 118.20 (MCA)                                  | 126.90 (MCA)                                  | 135.80 (MCA)                                  | 139.40 (MCA)                                  |                                               |
| COP                         | MFA                      |            |             | A                         | 125.00                                        | 125.00                                        | 125.00                                        | 125.00                                        | 150.00                                        |                                               |
|                             | Nominal Cooling          |            |             | -                         | 3.55                                          | 3.77                                          | 3.90                                          | 3.81                                          | 3.77                                          | 3.69                                          |
|                             | Nominal Heating          |            |             | -                         | 4.15                                          | 4.25                                          | 4.36                                          | 4.26                                          | 4.39                                          | 4.33                                          |
|                             | ESEER (HP)               |            |             | -                         | 6.25                                          | 6.77                                          | 6.77                                          | 6.69                                          | 6.62                                          | 6.61                                          |
| Compressor                  | Type                     |            |             | -                         | SSC Scroll x 4                                | SSC Scroll x 4                                | SSC Scroll x 4                                | SSC Scroll x 5                                | SSC Scroll x 5                                | SSC Scroll x 5                                |
|                             | Output                   |            |             | kW x n                    | (6.13x2)x2                                    | (6.13)x2 + (6.13x2)                           | (6.13) + (6.13) + (6.13x2)                    | (6.13) + (4.96x2) + (6.13x2)                  | (6.13) + (6.13x2) + (6.13x2)                  | (6.13) + (6.13x2) + (6.13x2)                  |
|                             | Model Name               |            |             | -                         | DS-GB066FAVASG x 4                            | DS-GB066FAVASG x 4                            | DS-GB066FAVASG x 4                            | DS-GB066FAVASG x 3 + DS-GB052FAVASG x 2       | DS-GB066FAVASG x 5                            | DS-GB066FAVASG x 5                            |
|                             | Oil                      |            |             | Type                      | PVE                                           | PVE                                           | PVE                                           | PVE                                           | PVE                                           | PVE                                           |
| Fan                         | Initial Charge           |            |             | cc                        | 9200                                          | 9200                                          | 9200                                          | 11500                                         | 11500                                         | 11500                                         |
|                             | Type                     |            |             | -                         | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                                     |
|                             | Output x n               |            |             | W                         | (620 x 2) x 2                                 | (400 x 1) x 2 + 620 x 2                       | 400 x 1 + (620 x 2) x 2                       | 400 x 1 + (620 x 2) x 2                       | 400 x 1 + (620 x 2) x 2                       | 400 x 1 + (620 x 2) x 2                       |
|                             | Air Flow Rate            |            |             | CMM                       | 295 x 2                                       | 190 x 2 + 295                                 | 190 + 260 + 295                               | 190 + 260 + 295                               | 190 + 270 + 295                               | 190 + 275 + 295                               |
|                             |                          |            |             | l/s                       | 4,916.67 x 2                                  | 3,166.67 x 2 + 4,916.67                       | 3,166.67 + 4,333.33 + 4,916.67                | 3,166.67 + 4,333.33 + 4,916.67                | 3,166.67 + 4,500.00 + 4,916.67                | 3,166.67 + 4,583.33 + 4,916.67                |
|                             | External Static Pressure |            | Max.        | mmAq                      | 8.00                                          | 8.00                                          | 8.00                                          | 8.00                                          | 8.00                                          | 8.00                                          |
| Piping Connections          | Liquid Pipe              |            |             | Pa                        | 78.45                                         | 78.45                                         | 78.45                                         | 78.45                                         | 78.45                                         | 78.45                                         |
|                             |                          |            |             | Φ, mm                     | 19.05                                         | 19.05                                         | 19.05                                         | 19.05                                         | 19.05                                         | 19.05                                         |
|                             |                          |            |             | Φ, inch                   | 3/4"                                          | 3/4"                                          | 3/4"                                          | 3/4"                                          | 3/4"                                          | 3/4"                                          |
|                             | Gas Pipe                 |            |             | Φ, mm                     | 41.28                                         | 41.28                                         | 41.28                                         | 41.28                                         | 41.28                                         | 41.28                                         |
|                             |                          |            |             | Φ, inch                   | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        |
|                             | Discharge Gas Pipe (HR)  |            |             | Φ, mm                     | 34.92                                         | 34.92                                         | 34.92                                         | 34.92                                         | 34.92                                         | 34.92                                         |
| Field Wiring                |                          |            |             | Φ, inch                   | 1 3/8"                                        | 1 3/8"                                        | 1 3/8"                                        | 1 3/8"                                        | 1 3/8"                                        | 1 3/8"                                        |
|                             | Installation Limitation  |            | Max. Length | m                         | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      |
|                             |                          |            | Max. Height | m                         | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       |
|                             | Power Source Wire        |            |             | mm2                       | -                                             | -                                             | -                                             | -                                             | -                                             | -                                             |
| Refrigerant                 | Transmission Cable       |            |             | mm2                       | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    |
|                             | Type                     |            |             | -                         | R410A                                         | R410A                                         | R410A                                         | R410A                                         | R410A                                         | R410A                                         |
| Sound                       | Factory Charging         |            |             | kg                        | 16.80                                         | 19.40                                         | 21.60                                         | 21.30                                         | 22.60                                         | 22.30                                         |
|                             | Sound Pressure           |            |             | dB(A)                     | -                                             | -                                             | -                                             | -                                             | -                                             | -                                             |
| External Dimension          | Sound Power              |            |             | dB(A)                     | -                                             | -                                             | -                                             | -                                             | -                                             | -                                             |
|                             | Net Weight               | DVM S HP   | kg          | 300.0 x 2                 | 190.0 x 2 + 300.0                             | 190.0 + 235.0 + 300.0                         | 190.0 + 278.0 + 300.0                         | 190.0 + 300.0 x 2                             | 190.0 + 300.0 x 2                             |                                               |
|                             |                          |            |             | 306.0 x 2                 | 195.0 x 2 + 306.0                             | 195.0 + 241.0 + 306.0                         | 195.0 + 284.0 + 306.0                         | 195.0 + 306.0 x 2                             | 195.0 + 306.0 x 2                             |                                               |
|                             | Shipping Weight          | DVM S HP   | kg          | 319.0 x 2                 | 206.0 x 2 + 319.0                             | 206.0 + 254.0 + 319.0                         | 206.0 + 297.0 + 319.0                         | 206.0 + 319.0 x 2                             | 206.0 + 319.0 x 2                             |                                               |
|                             |                          |            |             | 325.0 x 2                 | 211.0 x 2 + 325.0                             | 211.0 + 260.0 + 325.0                         | 211.0 + 303.0 + 325.0                         | 211.0 + 325.0 x 2                             | 211.0 + 325.0 x 2                             |                                               |
|                             | Net Dimensions (WxHxD)   |            |             | mm                        | (1,295 x 1,695 x 765) x 2                     | (880 x 1,695 x 765) x 2 + 1,295 x 1,695 x 765 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 |
| Shipping Dimensions (WxHxD) |                          |            | mm          | (1,363 x 1,857 x 832) x 2 | (948 x 1,857 x 832) x 2 + 1,363 x 1,857 x 832 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 |                                               |
| Operating Temp. Range       | Cooling (HP)             |            |             | •C                        | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   |
|                             | Heating                  |            |             | •C                        | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  |

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\* If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.

\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.



# DVM S Specification - Outdoor Units



**DVM S**  
DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

## DVM S HP / HR

| Model Name                  |                          |                                               | DVM S HP                  | AM560FXVAGH                                                          | AM580FXVAGH               | AM600FXVAGH                             | AM620FXVAGH               | AM640FXVAGH               | AM660FXVAGH        |
|-----------------------------|--------------------------|-----------------------------------------------|---------------------------|----------------------------------------------------------------------|---------------------------|-----------------------------------------|---------------------------|---------------------------|--------------------|
|                             |                          |                                               | DVM S HR                  | AM560FXVAGR                                                          | AM580FXVAGR               | AM600FXVAGR                             | AM620FXVAGR               | AM640FXVAGR               | AM660FXVAGR        |
| Power Supply                |                          |                                               | Φ, #, V, Hz               | 3,4,380-415,50                                                       | 3,4,380-415,50            | 3,4,380-415,50                          | 3,4,380-415,50            | 3,4,380-415,50            | 3,4,380-415,50     |
| Mode                        |                          |                                               | -                         | HEAT PUMP                                                            | HEAT PUMP                 | HEAT PUMP                               | HEAT PUMP                 | HEAT PUMP                 | HEAT PUMP          |
| Performance                 | HP                       |                                               | HP                        | 56.00                                                                | 58.00                     | 60.00                                   | 62.00                     | 64.00                     | 66.00              |
|                             |                          |                                               | kW                        | 156.80                                                               | 163.20                    | 168.20                                  | 173.60                    | 179.20                    | 184.80             |
|                             | Capacity (Nominal)       | Cooling                                       | Btu/h                     | 535,000                                                              | 556,900                   | 573,900                                 | 592,300                   | 611,500                   | 630,600            |
|                             |                          | Heating                                       | kW                        | 176.40                                                               | 183.60                    | 188.60                                  | 195.30                    | 201.60                    | 207.90             |
| Power                       |                          |                                               | Btu/h                     | 601,900                                                              | 626,500                   | 643,500                                 | 666,400                   | 687,900                   | 709,400            |
|                             | Power Input (Nominal)    | Cooling 1)                                    |                           | 43.10                                                                | 43.60                     | 45.70                                   | 47.73                     | 49.89                     | 52.05              |
|                             |                          | Heating 2)                                    | kW                        | 42.10                                                                | 42.90                     | 44.90                                   | 44.50                     | 47.30                     | 50.10              |
|                             | Current Input (Nominal)  | Cooling 1)                                    |                           | 69.10                                                                | 69.90                     | 73.20                                   | 76.60                     | 80.00                     | 83.40              |
|                             |                          | Heating 2)                                    | A                         | 67.60                                                                | 68.80                     | 72.00                                   | 71.40                     | 75.90                     | 80.40              |
|                             | MCA                      |                                               |                           | 142.50 (MCA)                                                         | 142.50 (MCA)              | 151.20 (MCA)                            | 160.60 (MCA)              | 163.70 (MCA)              | 166.80 (MCA)       |
| COP                         | MFA                      |                                               | A                         | 150.00                                                               | 150.00                    | 150.00                                  | 200.00                    | 200.00                    | 200.00             |
|                             | Nominal Cooling          | -                                             | -                         | 3.64                                                                 | 3.74                      | 3.68                                    | 3.64                      | 3.59                      | 3.55               |
|                             | Nominal Heating          | -                                             | -                         | 4.19                                                                 | 4.28                      | 4.20                                    | 4.39                      | 4.26                      | 4.15               |
|                             | ESEER (HP)               | -                                             | -                         | 6.51                                                                 | 6.51                      | 6.43                                    | 6.46                      | 6.35                      | 6.25               |
| Compressor                  | Type                     | -                                             | -                         | SSC Scroll x 5                                                       | SSC Scroll x 5            | SSC Scroll x 6                          | SSC Scroll x 6            | SSC Scroll x 6            | SSC Scroll x 6     |
|                             | Output                   | kW x n                                        | -                         | (6.13) + (6.13x2)x2                                                  | (6.13) + (6.13x2)x2       | (4.96x2) + (6.13x2)x2                   | (6.13x2)x2 + (6.13x2)     | (6.13x2) + (6.13x2)x2     | (6.13x2)x3         |
|                             | Model Name               | -                                             | -                         | DS-GB066FAVASG x 5                                                   | DS-GB066FAVASG x 5        | DS-GB052FAVASG x 2 + DS-GB066FAVASG x 4 | DS-GB066FAVASG x 6        | DS-GB066FAVASG x 6        | DS-GB066FAVASG x 6 |
|                             |                          | Type                                          | -                         | PVE <td>PVE</td> <td>PVE</td> <td>PVE</td> <td>PVE</td> <td>PVE</td> | PVE                       | PVE                                     | PVE                       | PVE                       | PVE                |
| Fan                         | Oil                      | Initial Charge                                | cc                        | 11500                                                                | 11500                     | 13800                                   | 13800                     | 13800                     | 13800              |
|                             | Type                     | -                                             | -                         | Propeller                                                            | Propeller                 | Propeller                               | Propeller                 | Propeller                 | Propeller          |
|                             | Output x n               | W                                             | -                         | 400 x 1 + (620 x 2) x 2                                              | (620 x 2) x 3             | (620 x 2) x 3                           | (620 x 2) x 3             | (620 x 2) x 3             | (620 x 2) x 3      |
|                             |                          | CMM                                           | -                         | 190 + 295 x 2                                                        | 260 + 295 x 2             | 260 + 295 x 2                           | 275 x 2 + 295             | 275 + 295 x 2             | 295 x 3            |
| Piping Connections          | Air Flow Rate            | l/s                                           | -                         | 3,166.67 + 4,916.67 x 2                                              | 4,333.33 + 4,916.67 x 2   | 4,333.33 + 4,916.67 x 2                 | 4,583.33 x 2 + 4,916.67   | 4,583.33 + 4,916.67 x 2   | 4,916.67 x 3       |
|                             | External Static Pressure | Max.                                          | mmAq                      | 8.00                                                                 | 8.00                      | 8.00                                    | 8.00                      | 8.00                      | 8.00               |
|                             |                          |                                               | Pa                        | 78.45                                                                | 78.45                     | 78.45                                   | 78.45                     | 78.45                     | 78.45              |
|                             | Field Wiring             | Liquid Pipe                                   | Φ, mm                     | 19.05                                                                | 19.05                     | 19.05                                   | 22.22                     | 22.22                     | 22.22              |
| Φ, inch                     |                          |                                               | 3/4"                      | 3/4"                                                                 | 3/4"                      | 7/8"                                    | 7/8"                      | 7/8"                      |                    |
| Gas Pipe                    |                          | Φ, mm                                         | 41.28                     | 41.28                                                                | 41.28                     | 53.98                                   | 53.98                     | 53.98                     |                    |
|                             |                          | Φ, inch                                       | 1 5/8"                    | 1 5/8"                                                               | 1 5/8"                    | 2 1/8"                                  | 2 1/8"                    | 2 1/8"                    |                    |
| Discharge Gas Pipe (HR)     |                          | Φ, mm                                         | 34.92                     | 34.92                                                                | 34.92                     | 41.28                                   | 41.28                     | 41.28                     |                    |
|                             |                          | Φ, inch                                       | 1 3/8"                    | 1 3/8"                                                               | 1 3/8"                    | 1 5/8"                                  | 1 5/8"                    | 1 5/8"                    |                    |
| Refrigerant                 | Installation Limitation  | Max. Length                                   | m                         | 200(220)                                                             | 200(220)                  | 200(220)                                | 200(220)                  | 200(220)                  | 200(220)           |
|                             |                          | Max. Height                                   | m                         | 110(40)                                                              | 110(40)                   | 110(40)                                 | 110(40)                   | 110(40)                   | 110(40)            |
| Sound                       | Power Source Wire        | mm2                                           | -                         | -                                                                    | -                         | -                                       | -                         | -                         | -                  |
|                             | Transmission Cable       | mm2                                           | 0.75 ~ 1.5                | 0.75 ~ 1.5                                                           | 0.75 ~ 1.5                | 0.75 ~ 1.5                              | 0.75 ~ 1.5                | 0.75 ~ 1.5                | 0.75 ~ 1.5         |
| Operating Temp. Range       | Type                     | -                                             | R410A                     | R410A                                                                | R410A                     | R410A                                   | R410A                     | R410A                     | R410A              |
|                             | Factory Charging         | kg                                            | 22.30                     | 24.50                                                                | 24.20                     | 25.20                                   | 25.20                     | 25.20                     | 25.20              |
| External Dimension          | Sound Pressure           | dB(A)                                         | -                         | -                                                                    | -                         | -                                       | -                         | -                         | -                  |
|                             | Sound Power              | dB(A)                                         | -                         | -                                                                    | -                         | -                                       | -                         | -                         | -                  |
|                             | Net Weight               | DVM S HP                                      | kg                        | 190.0 + 300.0 x 2                                                    | 235.0 + 300.0 x 2         | 278.0 + 300.0 x 2                       | 300.0 x 3                 | 300.0 x 3                 | 300.0 x 3          |
|                             |                          | DVM S HR                                      | kg                        | 195.0 + 306.0 x 2                                                    | 241.0 + 306.0 x 2         | 284.0 + 306.0 x 2                       | 306.0 x 3                 | 306.0 x 3                 | 306.0 x 3          |
|                             | Shipping Weight          | DVM S HP                                      | kg                        | 206.0 + 319.0 x 2                                                    | 254.0 + 319.0 x 2         | 297.0 + 319.0 x 2                       | 319.0 x 3                 | 319.0 x 3                 | 319.0 x 3          |
|                             |                          | DVM S HR                                      | kg                        | 211.0 + 325.0 x 2                                                    | 260.0 + 325.0 x 2         | 303.0 + 325.0 x 2                       | 325.0 x 3                 | 325.0 x 3                 | 325.0 x 3          |
| Shipping Dimensions (WxHxD) | mm                       | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 2 | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3                                            | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3               | (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 3 |                    |
|                             | mm                       | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 2 | (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 3                                            | (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 3               | (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 3 |                    |
| Cooling (HP)                | •C                       | -5.0 ~ 48.0                                   | -5.0 ~ 48.0               | -5.0 ~ 48.0                                                          | -5.0 ~ 48.0               | -5.0 ~ 48.0                             | -5.0 ~ 48.0               | -5.0 ~ 48.0               | -5.0 ~ 48.0        |
|                             | •C                       | -20.0 ~ 24.0                                  | -20.0 ~ 24.0              | -20.0 ~ 24.0                                                         | -20.0 ~ 24.0              | -20.0 ~ 24.0                            | -20.0 ~ 24.0              | -20.0 ~ 24.0              | -20.0 ~ 24.0       |

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\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.



## DVMS

DIGITAL VARIABLE MULTI

- DSI(Dual Smart Inverter) System
- High Efficiency
- Smart Management
- Flexible Installation
- Comfortable & Reliable Operation
- New Communication Protocol

### DVMS HP / HR

| Model Name              |                             |                |                                                                                                                         | DVM S HP                                      | AM680FXVAGH                                         | AM700FXVAGH                                   | AM720FXVAGH                                   | AM740FXVAGH                                   | AM760FXVAGH                                   | AM780FXVAGH                                   | AM800FXVAGH               |
|-------------------------|-----------------------------|----------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|---------------------------|
|                         |                             |                |                                                                                                                         | DVM S HR                                      | AM680FXVAGR                                         | AM700FXVAGR                                   | AM720FXVAGR                                   | AM740FXVAGR                                   | AM760FXVAGR                                   | AM780FXVAGR                                   | AM800FXVAGR               |
| Power Supply            |                             |                |                                                                                                                         | Φ, #, V, Hz                                   | 3,4,380-415,50                                      | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50                                | 3,4,380-415,50            |
| Mode                    |                             |                |                                                                                                                         | -                                             | HEAT PUMP                                           | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                                     | HEAT PUMP                 |
| Performance             | HP                          |                | HP                                                                                                                      | 68.00                                         | 70.00                                               | 72.00                                         | 74.00                                         | 76.00                                         | 78.00                                         | 80.00                                         |                           |
|                         |                             |                | kW                                                                                                                      | 190.40                                        | 196.80                                              | 201.80                                        | 207.20                                        | 212.80                                        | 218.40                                        | 224.80                                        |                           |
|                         | Capacity (Nominal)          | Cooling        | Btu/h                                                                                                                   | 649,700                                       | 671,500                                             | 688,600                                       | 707,000                                       | 726,100                                       | 745,200                                       | 767,000                                       |                           |
|                         |                             |                | kW                                                                                                                      | 214.20                                        | 221.40                                              | 226.40                                        | 233.10                                        | 239.40                                        | 245.70                                        | 252.90                                        |                           |
| Power                   |                             | Heating        | Btu/h                                                                                                                   | 730,900                                       | 755,400                                             | 772,500                                       | 795,400                                       | 816,900                                       | 838,400                                       | 862,900                                       |                           |
|                         |                             |                | kW                                                                                                                      | 51.50                                         | 52.00                                               | 54.10                                         | 55.98                                         | 58.29                                         | 60.45                                         | 60.95                                         |                           |
|                         | Power Input (Nominal)       | Cooling 1)     |                                                                                                                         | kW                                            | 50.80                                               | 51.60                                         | 53.60                                         | 54.00                                         | 56.00                                         | 58.80                                         | 59.60                     |
|                         |                             |                |                                                                                                                         | Cooling 1)                                    | A                                                   | 82.60                                         | 83.40                                         | 86.70                                         | 89.80                                         | 93.50                                         | 96.90                     |
| Current Input (Nominal) | Heating 2)                  |                | A                                                                                                                       |                                               |                                                     | 81.60                                         | 82.80                                         | 86.00                                         | 86.70                                         | 89.90                                         | 94.40                     |
|                         |                             |                | MCA                                                                                                                     | 173.80 (MCA)                                  | 173.80 (MCA)                                        | 182.50 (MCA)                                  | 191.40 (MCA)                                  | 195.00 (MCA)                                  | 198.10 (MCA)                                  | 198.10 (MCA)                                  |                           |
| COP                     |                             |                | MFA                                                                                                                     | A                                             | 200.00                                              | 200.00                                        | 200.00                                        | 200.00                                        | 200.00                                        | 200.00                                        | 200.00                    |
|                         |                             |                | Nominal Cooling                                                                                                         | -                                             | 3.70                                                | 3.78                                          | 3.73                                          | 3.70                                          | 3.65                                          | 3.61                                          | 3.69                      |
|                         | Nominal Heating             | -              | 4.22                                                                                                                    | 4.29                                          | 4.22                                                | 4.32                                          | 4.28                                          | 4.18                                          | 4.24                                          |                                               |                           |
|                         |                             | ESEER (HP)     |                                                                                                                         | 6.64                                          | 6.64                                                | 6.58                                          | 6.53                                          | 6.52                                          | 6.45                                          | 6.44                                          |                           |
| Compressor              | Type                        | -              | SSC Scroll x 6                                                                                                          | SSC Scroll x 6                                | SSC Scroll x 7                                      | SSC Scroll x 7                                | SSC Scroll x 7                                | SSC Scroll x 7                                | SSC Scroll x 7                                |                                               |                           |
|                         | Output                      | kW x n         | (6.13)x2 + (6.13x2)x2                                                                                                   | (6.13) + (6.13) + (6.13x2)x2                  | (6.13) + (4.96x2) + (6.13x2)x2                      | (6.13) + (6.13x2) + (6.13x2)x2                | (6.13) + (6.13x2) + (6.13x2)x2                | (6.13) + (6.13x2)x3                           | (6.13) + (6.13x2)x3                           |                                               |                           |
|                         | Model Name                  | -              | DS-GB066FAVASG x 6                                                                                                      | DS-GB066FAVASG x 6                            | DS-GB066FAVASG x 5 + DS-GB052FAVASG x 2             | DS-GB066FAVASG x 7                            | DS-GB066FAVASG x 7                            | DS-GB066FAVASG x 7                            | DS-GB066FAVASG x 7                            |                                               |                           |
|                         | Oil                         | Type           | -                                                                                                                       | PVE                                           | PVE                                                 | PVE                                           | PVE                                           | PVE                                           | PVE                                           |                                               |                           |
| Fan                     | Initial Charge              | cc             | 13800                                                                                                                   | 13800                                         | 16100                                               | 16100                                         | 16100                                         | 16100                                         | 16100                                         |                                               |                           |
|                         | Type                        | -              | Propeller                                                                                                               | Propeller                                     | Propeller                                           | Propeller                                     | Propeller                                     | Propeller                                     | Propeller                                     |                                               |                           |
|                         | Output x n                  | W              | (400 x 1) x 2 + (620 x 2) x 2                                                                                           | 400 x 1 + (620 x 2) x 3                       | 400 x 1 + (620 x 2) x 3                             | 400 x 1 + (620 x 2) x 3                       | 400 x 1 + (620 x 2) x 3                       | 400 x 1 + (620 x 2) x 3                       | (620 x 2) x 4                                 |                                               |                           |
|                         | Air Flow Rate               | CMM            | 190 x 2 + 295 x 2                                                                                                       | 190 + 260 + 295 x 2                           | 190 + 260 + 295 x 2                                 | 190 + 270 + 295 x 2                           | 190 + 275 + 295 x 2                           | 190 + 295 x 3                                 | 260 + 295 x 3                                 |                                               |                           |
| Piping Connections      |                             | Max.           | l/s                                                                                                                     | 3,166.67 x 2 + 4,916.67 x 2                   | 3,166.67 + 4,333.33 + 4,916.67 x 2                  | 3,166.67 + 4,333.33 + 4,916.67 x 2            | 3,166.67 + 4,500.00 + 4,916.67 x 2            | 3,166.67 + 4,583.33 + 4,916.67 x 2            | 3,166.67 + 4,916.67 x 3                       | 4,333.33 + 4,916.67 x 3                       |                           |
|                         |                             |                | mmAq                                                                                                                    | 8.00                                          | 8.00                                                | 8.00                                          | 8.00                                          | 8.00                                          | 8.00                                          | 8.00                                          |                           |
|                         | Liquid Pipe                 |                | Pa                                                                                                                      | 78.45                                         | 78.45                                               | 78.45                                         | 78.45                                         | 78.45                                         | 78.45                                         | 78.45                                         |                           |
|                         |                             |                | Φ, mm <td>22.22</td> <td>22.22</td> <td>22.22</td> <td>22.22</td> <td>22.22</td> <td>22.22</td> <td>22.22</td>          | 22.22                                         | 22.22                                               | 22.22                                         | 22.22                                         | 22.22                                         | 22.22                                         | 22.22                                         |                           |
| Field Wiring            | Gas Pipe                    |                | Φ, inch <td>7/8"</td> <td>7/8"</td> <td>7/8"</td> <td>7/8"</td> <td>7/8"</td> <td>7/8"</td> <td>7/8"</td>               | 7/8"                                          | 7/8"                                                | 7/8"                                          | 7/8"                                          | 7/8"                                          | 7/8"                                          | 7/8"                                          |                           |
|                         |                             |                | Φ, mm <td>53.98</td> <td>53.98</td> <td>53.98</td> <td>53.98</td> <td>53.98</td> <td>53.98</td> <td>53.98</td>          | 53.98                                         | 53.98                                               | 53.98                                         | 53.98                                         | 53.98                                         | 53.98                                         | 53.98                                         |                           |
|                         | Discharge Gas Pipe          | (HR)           | Φ, inch <td>2 1/8"</td> <td>2 1/8"</td> <td>2 1/8"</td> <td>2 1/8"</td> <td>2 1/8"</td> <td>2 1/8"</td> <td>2 1/8"</td> | 2 1/8"                                        | 2 1/8"                                              | 2 1/8"                                        | 2 1/8"                                        | 2 1/8"                                        | 2 1/8"                                        | 2 1/8"                                        |                           |
|                         |                             |                | Φ, mm <td>41.28</td> <td>41.28</td> <td>41.28</td> <td>41.28</td> <td>41.28</td> <td>41.28</td> <td>41.28</td>          | 41.28                                         | 41.28                                               | 41.28                                         | 41.28                                         | 41.28                                         | 41.28                                         | 41.28                                         |                           |
| Refrigerant             |                             |                | Φ, inch <td>1 5/8"</td> <td>1 5/8"</td> <td>1 5/8"</td> <td>1 5/8"</td> <td>1 5/8"</td> <td>1 5/8"</td> <td>1 5/8"</td> | 1 5/8"                                        | 1 5/8"                                              | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        | 1 5/8"                                        |                           |
|                         |                             |                | Installation Limitation                                                                                                 | Max. Length                                   | m                                                   | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                                      | 200(220)                  |
|                         | Power Source Wire           |                | Max. Height                                                                                                             | m                                             | 110(40)                                             | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       | 110(40)                                       |                           |
|                         |                             |                | Transmission Cable                                                                                                      | mm2                                           | -                                                   | -                                             | -                                             | -                                             | -                                             | -                                             | -                         |
| Sound                   |                             |                | mm2                                                                                                                     | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                          | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    | 0.75 ~ 1.5                                    |                           |
|                         |                             |                | Type                                                                                                                    | -                                             | R410A                                               | R410A                                         | R410A                                         | R410A                                         | R410A                                         | R410A                                         |                           |
|                         | Factory Charging            | kg             | 27.80                                                                                                                   | 30.00                                         | 29.70                                               | 31.00                                         | 30.70                                         | 30.70                                         | 32.90                                         |                                               |                           |
|                         |                             | Sound Pressure | dB(A)                                                                                                                   | -                                             | -                                                   | -                                             | -                                             | -                                             | -                                             | -                                             |                           |
| External Dimension      |                             |                | Sound Power                                                                                                             | dB(A)                                         | -                                                   | -                                             | -                                             | -                                             | -                                             | -                                             |                           |
|                         |                             |                | Net Weight                                                                                                              | DVM S HP                                      | kg                                                  | 190.0 x 2 + 300.0 x 2                         | 190.0 + 235.0 + 300.0 x 2                     | 190.0 + 278.0 + 300.0 x 2                     | 190.0 + 300.0 x 3                             | 190.0 + 300.0 x 3                             | 190.0 + 300.0 x 3         |
|                         | Shipping Weight             | DVM S HR       |                                                                                                                         | kg                                            | 195.0 x 2 + 306.0 x 2                               | 195.0 + 241.0 + 306.0 x 2                     | 195.0 + 284.0 + 306.0 x 2                     | 195.0 + 306.0 x 3                             | 195.0 + 306.0 x 3                             | 195.0 + 306.0 x 3                             | 241.0 + 306.0 x 3         |
|                         |                             |                |                                                                                                                         | DVM S HP                                      | 206.0 x 2 + 319.0 x 2                               | 206.0 + 254.0 + 319.0 x 2                     | 206.0 + 297.0 + 319.0 x 2                     | 206.0 + 319.0 x 3                             | 206.0 + 319.0 x 3                             | 206.0 + 319.0 x 3                             | 254.0 + 319.0 x 3         |
| Operating Temp. Range   |                             |                | DVM S HR                                                                                                                | kg                                            | 211.0 x 2 + 325.0 x 2                               | 211.0 + 260.0 + 325.0 x 2                     | 211.0 + 303.0 + 325.0 x 2                     | 211.0 + 325.0 x 3                             | 211.0 + 325.0 x 3                             | 211.0 + 325.0 x 3                             | 260.0 + 325.0 x 3         |
|                         |                             |                | Net Dimensions (WxHxD)                                                                                                  | mm                                            | (880 x 1,695 x 765) x 2 + (1,295 x 1,695 x 765) x 2 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | 880 x 1,695 x 765 + (1,295 x 1,695 x 765) x 3 | (1,295 x 1,695 x 765) x 4 |
|                         | Shipping Dimensions (WxHxD) | mm             | (948 x 1,857 x 832) x 2 + (1,363 x 1,857 x 832) x 2                                                                     | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3       | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | 948 x 1,857 x 832 + (1,363 x 1,857 x 832) x 3 | (1,363 x 1,857 x 832) x 4                     |                                               |                           |
|                         |                             | Cooling (HP)   | •C                                                                                                                      | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                         | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   | -5.0 ~ 48.0                                   |                           |
|                         | Heating                     | •C             | -20.0 ~ 24.0                                                                                                            | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                        | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  | -20.0 ~ 24.0                                  |                           |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

\* If you wish to install an outdoor unit module with a capacity of over 60 HP, then please contact your local Samsung Dealer.

\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.



DVM S Mini

- Top-class Energy Efficiency
- Small Footprint and Volume
- Flexible Piping Design
- Low Noise Level
- New Communication Protocol

| Model Name            |                             |             |                      | AM040FXMDEH          | AM050FXMDEH          | AM060FXMDEH          | AM040FXMDGH          | AM050FXMDGH          | AM060FXMDGH      |                |
|-----------------------|-----------------------------|-------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|------------------|----------------|
| Power Supply          |                             |             |                      | Φ, #, V, Hz          | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 3,4,380-415,50       | 3,4,380-415,50   | 3,4,380-415,50 |
| Mode                  |                             |             |                      | -                    | HEAT PUMP            | HEAT PUMP            | HEAT PUMP            | HEAT PUMP            | HEAT PUMP        | HEAT PUMP      |
| Performance           | HP                          | HP          | 4                    | 5.00                 | 6.00                 | 4                    | 5.00                 | 6.00                 |                  |                |
|                       |                             |             | kW                   | 12.1                 | 14.00                | 15.50                | 12.1                 | 14.00                | 15.50            |                |
|                       | Capacity (Nominal)          | Cooling     | Btu/h                | 41,300               | 47,800               | 52,900               | 41,300               | 47,800               | 52,900           |                |
|                       |                             |             | kW                   | 13.5                 | 16.00                | 18.00                | 13.5                 | 16.00                | 18.00            |                |
|                       |                             | Heating     | Btu/h                | 46,100               | 54,600               | 61,400               | 46,100               | 54,600               | 61,400           |                |
| Power                 | Power Input (Nominal)       | Cooling 1)  | 2.89                 | 3.68                 | 4.31                 | 2.89                 | 3.68                 | 4.31                 |                  |                |
|                       |                             | Heating 2)  | 3.02                 | 3.61                 | 4.39                 | 3.02                 | 3.61                 | 4.39                 |                  |                |
|                       | Current Input (Nominal)     | Cooling 1)  | 14                   | 17.80                | 21.00                | 4.8                  | 6.20                 | 7.30                 |                  |                |
|                       |                             | Heating 2)  | 15.1                 | 17.20                | 20.20                | 5                    | 6.00                 | 6.90                 |                  |                |
|                       | MCA                         |             | 22.00 (Max.)         | 24.00 (Max.)         | 32.00 (Max.)         | 12.00 (Max.)         | 13.00 (Max.)         | 14.00 (Max.)         |                  |                |
| COP                   | MFA                         | A           | 30.00                | 30.00                | 40.00                | 20.00                | 20.00                | 20.00                |                  |                |
|                       | Nominal Cooling             | -           | 4.186851211          | 3.80                 | 3.60                 | 4.186851211          | 3.80                 | 3.60                 |                  |                |
|                       | Nominal Heating             | -           | 4.470198675          | 4.43                 | 4.10                 | 4.470198675          | 4.43                 | 4.10                 |                  |                |
| Compressor            | Type                        | -           | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 |                  |                |
|                       | Output                      | kW x n      | (4.12)               | (4.12)               | (4.12)               | (4.12)               | (4.12)               | (4.12)               |                  |                |
|                       | Model Name                  | -           | UG5T450FUEJXSG x 1   | UG5T450FUEJXSG x 1   | UG5T450FUEJXSG x 1   | UG5T450FUEJXSG x 1   | UG5T450FUEJXSG x 1   | UG5T450FUEJXSG x 1   |                  |                |
|                       | Oil                         | Type        | -                    | POE                  | POE                  | POE                  | POE                  | POE                  |                  |                |
| Fan                   | Initial Charge              | cc          | 1700                 | 1700                 | 1700                 | 1700                 | 1700                 | 1700                 |                  |                |
|                       |                             |             | Type                 | -                    | Propeller / BLDC     | Propeller / BLDC     | Propeller / BLDC     | Propeller / BLDC     | Propeller / BLDC |                |
|                       | Output x n                  | W           | 125 x 2              | 125 x 2              | 125 x 2              | 125 x 2              | 125 x 2              | 125 x 2              |                  |                |
|                       | Air Flow Rate               | CMM         | 100                  | 100                  | 100                  | 100                  | 100                  | 100                  |                  |                |
|                       | External Static Pressure    | Max.        | mmAq                 | -                    | -                    | -                    | -                    | -                    | -                |                |
| Piping Connections    | Liquid Pipe                 | Φ, mm       | 9.52                 | 9.52                 | 9.52                 | 9.52                 | 9.52                 | 9.52                 |                  |                |
|                       |                             |             | Φ, inch              | 3/8"                 | 3/8"                 | 3/8"                 | 3/8"                 | 3/8"                 | 3/8"             |                |
|                       | Gas Pipe                    | Φ, mm       | 15.88                | 15.88                | 19.05                | 15.88                | 15.88                | 19.05                |                  |                |
|                       |                             |             | Φ, inch              | 5/8"                 | 5/8"                 | 3/4"                 | 5/8"                 | 5/8"                 | 3/4"             |                |
|                       | Discharge Gas Pipe (HR)     | Φ, mm       | -                    | -                    | -                    | -                    | -                    | -                    |                  |                |
|                       |                             |             | Φ, inch              | -                    | -                    | -                    | -                    | -                    | -                |                |
|                       | Oil Equalizing Pipe         | Φ, mm       | -                    | -                    | -                    | -                    | -                    | -                    |                  |                |
|                       |                             |             | Φ, inch              | -                    | -                    | -                    | -                    | -                    | -                |                |
|                       | Installation Limitation     | Max. Length | m                    | 150(175)             | 150(175)             | 150(175)             | 150(175)             | 150(175)             | 150(175)         |                |
|                       |                             |             | Max. Height          | m                    | 50(40)               | 50(40)               | 50(40)               | 50(40)               | 50(40)           | 50(40)         |
| Field Wiring          | Power Source Wire           | mm2         | 2.5 ~ 4.0            | 2.5 ~ 4.0            | 4.0 ~ 6.0            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |                  |                |
|                       | Transmission Cable          | mm2         | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           |                  |                |
| Refrigerant           | Type                        | -           | R410A                | R410A                | R410A                | R410A                | R410A                | R410A                |                  |                |
|                       | Factory Charging            | kg          | 3.20                 | 3.20                 | 3.30                 | 3.20                 | 3.20                 | 3.30                 |                  |                |
| Sound                 | Sound Pressure              | dB(A)       | 50.0                 | 51.0                 | 53.0                 | 50.0                 | 51.0                 | 53.0                 |                  |                |
|                       | Sound Power                 | dB(A)       | 52.0                 | 53.0                 | 55.0                 | 52.0                 | 53.0                 | 55.0                 |                  |                |
| External Dimension    | Net Weight                  | kg          | 100.0                | 100.0                | 103.0                | 100.0                | 100.0                | 103.0                |                  |                |
|                       | Shipping Weight             | kg          | 105.0                | 105.0                | 108.0                | 105.0                | 105.0                | 108.0                |                  |                |
|                       | Net Dimensions (WxHxD)      | mm          | 940 x 1,210 x 330    | 940 x 1,210 x 330    | 940 x 1,210 x 330    | 940 x 1,210 x 330    | 940 x 1,210 x 330    | 940 x 1,210 x 330    |                  |                |
| Operating Temp. Range | Shipping Dimensions (WxHxD) | mm          | 995 x 1,368 x 426    | 995 x 1,368 x 426    | 995 x 1,368 x 426    | 995 x 1,368 x 426    | 995 x 1,368 x 426    | 995 x 1,368 x 426    |                  |                |
|                       | Cooling                     | °C          | -5.0 ~ 48.0          | -5.0 ~ 48.0          | -5.0 ~ 48.0          | -5.0 ~ 48.0          | -5.0 ~ 48.0          | -5.0 ~ 48.0          |                  |                |
|                       | Heating                     | °C          | -20.0 ~ 26.0         | -20.0 ~ 26.0         | -20.0 ~ 26.0         | -20.0 ~ 26.0         | -20.0 ~ 26.0         | -20.0 ~ 26.0         |                  |                |

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\* The maximum height of installation limitation for piping connections is only allowable when using PDM kits.





4Way Cassette S

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling
- New Communication Protocol



| Model                  |                             |                                    |                    | AM045FN4DEH          | AM056FN4DEH          | AM071FN4DEH          | AM090FN4DEH          | AM112FN4DEH          | AM128FN4DEH          | AM140FN4DEH          |
|------------------------|-----------------------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -                  | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             | -                                  | -                  | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW                 | 4.50                 | 5.60                 | 7.10                 | 9.00                 | 11.20                | 12.80                | 14.00                |
|                        |                             |                                    | Btu/h              | 15,400               | 19,100               | 24,200               | 30,700               | 38,200               | 43,700               | 47,800               |
|                        |                             | Heating                            | kW                 | 5.00                 | 6.30                 | 8.00                 | 10.00                | 12.50                | 13.80                | 16.00                |
|                        |                             |                                    | Btu/h              | 17,100               | 21,500               | 27,300               | 34,100               | 42,700               | 47,100               | 54,600               |
| Power                  | Power Input (Nominal)       | Cooling                            | W                  | 32.00                | 32.00                | 45.00                | 62.00                | 78.00                | 73.00                | 89.00                |
|                        |                             | Heating                            | W                  | 32.00                | 32.00                | 45.00                | 62.00                | 78.00                | 73.00                | 89.00                |
|                        | Current Input (Nominal)     | Cooling                            | A                  | 0.22                 | 0.22                 | 0.31                 | 0.43                 | 0.55                 | 0.51                 | 0.62                 |
|                        |                             | Heating                            | A                  | 0.22                 | 0.22                 | 0.31                 | 0.43                 | 0.55                 | 0.51                 | 0.62                 |
| Fan                    | Motor                       | Type                               | -                  | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            |
|                        |                             | Output                             | W                  | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM                | 14.50/13.50/12.50    | 15.00/14.00/13.00    | 17.00/15.50/14.50    | 19.50/18.00/16.50    | 26.00/24.00/22.00    | 28.00/26.00/23.00    | 30.00/28.00/26.00    |
|                        |                             |                                    | l/s                | 241.67/225.00/208.33 | 250.00/233.33/216.67 | 283.33/258.33/241.67 | 325.00/300.00/275.00 | 433.33/400.00/366.67 | 466.67/433.33/383.33 | 500.00/466.67/433.33 |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | mmAq               | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        |                             |                                    | Pa                 | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        | Gas Pipe                    | Φ, inch                            | Φ, mm              | 6.35                 | 6.35                 | 9.52                 | 9.52                 | 9.52                 | 9.52                 | 9.52                 |
|                        |                             |                                    | Φ, mm              | 1/4"                 | 1/4"                 | 3/8"                 | 3/8"                 | 3/8"                 | 3/8"                 | 3/8"                 |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | Φ, mm              | 12.70                | 12.70                | 15.88                | 15.88                | 15.88                | 15.88                | 15.88                |
|                        |                             |                                    | Φ, inch            | 1/2"                 | 1/2"                 | 5/8"                 | 5/8"                 | 5/8"                 | 5/8"                 | 5/8"                 |
|                        | Transmission Cable          | mm <sup>2</sup>                    | VP25 (OD 32,ID 25) | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
|                        |                             |                                    | 1.5 ~ 2.5          | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
| Refrigerant            | Control Method              | -                                  | mm <sup>2</sup>    | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        |                             |                                    | Type               | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        | Sound Pressure              | High / Mid / Low                   | R410A              | R410A                | R410A                | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        |                             |                                    | -                  | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
| Sound                  | Sound Power                 | High / Mid / Low                   | EEV INCLUDED       | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         |
|                        |                             |                                    | 34.0/33.0/31.0     | 34.0/33.0/31.0       | 36.0/35.0/34.0       | 40.0/37.0/34.0       | 41.0/39.0/37.0       | 42.0/40.0/37.0       | 44.0/42.0/39.0       | 44.0/42.0/39.0       |
|                        | Net Weight                  | kg                                 | -                  | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        |                             |                                    | 15.50              | 15.50                | 15.50                | 15.50                | 17.00                | 19.00                | 19.00                | 19.00                |
| Dimensions             | Shipping Weight             | kg                                 | 19.50              | 19.50                | 19.50                | 19.50                | 20.00                | 22.50                | 22.50                | 22.50                |
|                        |                             |                                    | mm                 | 840 x 204 x 840      | 840 x 204 x 840      | 840 x 204 x 840      | 840 x 204 x 840      | 840 x 246 x 840      | 840 x 288 x 840      | 840 x 288 x 840      |
|                        | Shipping Dimensions (WxHxD) | mm                                 | 898 x 275 x 898    | 898 x 275 x 898      | 898 x 275 x 898      | 898 x 275 x 898      | 898 x 316 x 898      | 898 x 357 x 898      | 898 x 357 x 898      | 898 x 357 x 898      |
|                        |                             |                                    | mm                 | 950 x 30 x 950       | 950 x 30 x 950       | 950 x 30 x 950       | 950 x 30 x 950       | 950 x 30 x 950       | 950 x 30 x 950       | 950 x 30 x 950       |
| Panel Size             | Panel Model                 | -                                  | PC4NUSKAN          | PC4NUSKAN            | PC4NUSKAN            | PC4NUSKAN            | PC4NUSKAN            | PC4NUSKAN            | PC4NUSKAN            | PC4NUSKAN            |
|                        |                             |                                    | kg                 | 6.70                 | 6.70                 | 6.70                 | 6.70                 | 6.70                 | 6.70                 | 6.70                 |
|                        | Shipping Weight             | kg                                 | 8.90               | 8.90                 | 8.90                 | 8.90                 | 8.90                 | 8.90                 | 8.90                 | 8.90                 |
|                        |                             |                                    | mm                 | 1042 x 93 x 950      | 1042 x 93 x 950      | 1042 x 93 x 950      | 1042 x 93 x 950      | 1042 x 93 x 950      | 1042 x 93 x 950      | 1042 x 93 x 950      |
| Additional Accessories | Drain Pump                  | Max. Lifting Height / Displacement | -                  | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        |                             |                                    | mm / liter/h       | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        | Air Filter                  | -                                  | -                  | -                    | -                    | -                    | -                    | -                    | -                    | -                    |
|                        |                             |                                    | -                  | -                    | -                    | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories

Individual Controllers



MWR-WE10N



MR-DH00

Panel



PC4NUSKAN



PC4NBSKAN



PC4NUSKEN



Mini 4Way Cassette S

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water
- New Communication Protocol



| Model                  |                                    |                       |                 | AM022FNNDEH          | AM028FNNDEH          | AM036FNNDEH          | AM045FNNDEH          | AM056FNNDEH          | AM060FNNDEH          |
|------------------------|------------------------------------|-----------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                                    | Φ, #, V, Hz           |                 | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                                    |                       |                 | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)                 | Cooling               | kW              | 2.20                 | 2.80                 | 3.60                 | 4.50                 | 5.60                 | 6.00                 |
|                        |                                    |                       | Btu/h           | 7,500                | 9,600                | 12,300               | 15,400               | 19,100               | 20,500               |
|                        |                                    | Heating               | kW              | 2.50                 | 3.20                 | 4.00                 | 5.00                 | 6.30                 | 6.80                 |
|                        |                                    |                       | Btu/h           | 8,500                | 10,900               | 13,600               | 17,100               | 21,500               | 23,200               |
| Power                  | Power Input (Nominal)              | Cooling               | W               | 18.00                | 18.00                | 20.00                | 23.00                | 28.00                | 31.00                |
|                        |                                    | Heating               | W               | 18.00                | 18.00                | 20.00                | 23.00                | 28.00                | 31.00                |
|                        | Current Input (Nominal)            | Cooling               | A               | 0.17                 | 0.17                 | 0.19                 | 0.22                 | 0.27                 | 0.30                 |
|                        |                                    | Heating               | A               | 0.17                 | 0.17                 | 0.19                 | 0.22                 | 0.27                 | 0.30                 |
| Fan                    | Motor                              | Type                  | -               | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            |
|                        |                                    | Output                | W               | 65 x 1               | 65 x 1               | 65 x 1               | 65 x 1               | 65 x 1               | 65 x 1               |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM             | 9.00/7.70/6.50       | 10.00/8.50/7.50      | 10.50/9.50/8.00      | 11.50/10.20/9.00     | 13.00/11.00/9.50     | 13.50/12.00/10.20    |
|                        |                                    |                       | l/s             | 150.00/128.33/108.33 | 166.67/141.67/125.00 | 175.00/158.33/133.33 | 191.67/170.00/150.00 | 216.67/183.33/158.33 | 225.00/200.00/170.00 |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq            | -                    | -                    | -                    | -                    | -                    | -                    |
| Piping Connections     | Liquid Pipe                        |                       | Pa              | -                    | -                    | -                    | -                    | -                    | -                    |
|                        |                                    |                       | Φ, mm           | 6.35                 | 6.35                 | 6.35                 | 6.35                 | 6.35                 | 6.35                 |
|                        | Gas Pipe                           |                       | Φ, inch         | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 |
|                        |                                    |                       | Φ, mm           | 12.70                | 12.70                | 12.70                | 12.70                | 12.70                | 12.70                |
|                        |                                    |                       | Φ, inch         | 1/2"                 | 1/2"                 | 1/2"                 | 1/2"                 | 1/2"                 | 1/2"                 |
| Field Wiring           | Drain Pipe                         |                       | Φ, mm           | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
|                        | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup> | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Transmission Cable                 |                       | mm <sup>2</sup> | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
| Refrigerant            | Type                               |                       | -               | R410A                | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        | Control Method                     |                       | -               | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA             | 32.0/30.0/27.0       | 34.0/30.0/26.0       | 36.0/34.0/31.0       | 36.0/35.0/33.0       | 40.0/37.0/34.0       | 41.0/37.0/34.0       |
|                        | Sound Power                        | High / Mid / Low      | dBA             | -                    | -                    | -                    | -                    | -                    | -                    |
| Dimensions             | Net Weight                         |                       | kg              | 12.00                | 12.00                | 12.00                | 12.00                | 12.00                | 12.00                |
|                        | Shipping Weight                    |                       | kg              | 14.00                | 14.00                | 14.00                | 14.00                | 14.00                | 14.00                |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      |
| Panel Size             | Panel Model                        |                       | -               | PC4SUSMAN            | PC4SUSMAN            | PC4SUSMAN            | PC4SUSMAN            | PC4SUSMAN            | PC4SUSMAN            |
|                        | Panel Net Weight                   |                       | kg              | 2.70                 | 2.70                 | 2.70                 | 2.70                 | 2.70                 | 2.70                 |
|                        | Shipping Weight                    |                       | kg              | 4.20                 | 4.20                 | 4.20                 | 4.20                 | 4.20                 | 4.20                 |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      |
| Additional Accessories | Drain Pump                         | Drain Pump            | -               | -                    | -                    | -                    | -                    | -                    | -                    |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -               | -                    | -                    | -                    | -                    | -                    | -                    |
| Air Filter             |                                    |                       | -               | -                    | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories

Individual Controllers



MWR-WE10N



MR-DH00

Panel



PC4SUSMAN



PC4SUSMEN

## Slim 1Way Cassette



- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water
- New Communication Protocol



Wide Blade



NOI Dust



High Lift-UP

|                        |                                    |                       |                 | 50Hz               |                     |                      |
|------------------------|------------------------------------|-----------------------|-----------------|--------------------|---------------------|----------------------|
| Model                  |                                    |                       |                 | AM022FN1DEH        | AM028FN1DEH         | AM036FN1DEH          |
| Power Supply           |                                    | Φ, #, V, Hz           | -               | 1,2,220-240,50     | 1,2,220-240,50      | 1,2,220-240,50       |
| Mode                   |                                    | -                     | -               | HP/HR              | HP/HR               | HP/HR                |
| Performance            | Capacity (Nominal)                 | Cooling               | kW              | 2.20               | 2.80                | 3.60                 |
|                        |                                    |                       | Btu/h           | 7,500              | 9,600               | 12,300               |
|                        |                                    | Heating               | kW              | 2.60               | 3.20                | 4.00                 |
|                        |                                    |                       | Btu/h           | 8,900              | 10,900              | 13,600               |
| Power                  | Power Input (Nominal)              | Cooling               | W               | 50.00              | 50.00               | 50.00                |
|                        |                                    | Heating               | W               | 50.00              | 50.00               | 50.00                |
|                        | Current Input (Nominal)            | Cooling               | A               | 0.20               | 0.23                | 0.25                 |
|                        |                                    | Heating               | A               | 0.20               | 0.23                | 0.25                 |
| Fan                    | Motor                              | Type                  | -               | Crossflow Fan      | Crossflow Fan       | Crossflow Fan        |
|                        |                                    | Output                | W               | 23 x 1             | 23 x 1              | 23 x 1               |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM             | 6.00/5.00/4.00     | 7.00/6.00/5.00      | 8.00/7.00/6.00       |
|                        |                                    |                       | l/s             | 100.00/83.33/66.67 | 116.67/100.00/83.33 | 133.33/116.67/100.00 |
| Fan                    | External Static Pressure           | Min. / Std. / Max.    | mmAq            | -                  | -                   | -                    |
|                        |                                    |                       | Pa              | -                  | -                   | -                    |
| Piping Connections     | Liquid Pipe                        |                       | Φ, mm           | 6.35               | 6.35                | 6.35                 |
|                        |                                    |                       | Φ, inch         | 1/4"               | 1/4"                | 1/4"                 |
|                        | Gas Pipe                           |                       | Φ, mm           | 12.70              | 12.70               | 12.70                |
|                        |                                    |                       | Φ, inch         | 1/2"               | 1/2"                | 1/2"                 |
| Field Wiring           | Drain Pipe                         |                       | Φ, mm           | VP20 (OD 26,ID 20) | VP20 (OD 26,ID 20)  | VP20 (OD 26,ID 20)   |
|                        |                                    |                       | mm <sup>2</sup> | 1.5 ~ 2.5          | 1.5 ~ 2.5           | 1.5 ~ 2.5            |
|                        | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup> | 0.75 ~ 1.50        | 0.75 ~ 1.50         | 0.75 ~ 1.50          |
|                        |                                    |                       | mm <sup>2</sup> | 0.75 ~ 1.50        | 0.75 ~ 1.50         | 0.75 ~ 1.50          |
| Refrigerant            | Type                               | -                     | -               | R410A              | R410A               | R410A                |
|                        | Control Method                     | -                     | -               | EEV INCLUDED       | EEV INCLUDED        | EEV INCLUDED         |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA             | 27.0/25.0/23.0     | 29.0/27.0/24.0      | 35.0/31.0/27.0       |
|                        | Sound Power                        | High / Mid / Low      | dBA             | -                  | -                   | -                    |
| Dimensions             | Net Weight                         |                       | kg              | 10.50              | 10.50               | 10.50                |
|                        | Shipping Weight                    |                       | kg              | 13.00              | 13.00               | 13.00                |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 970 x 135 x 410    | 970 x 135 x 410     | 970 x 135 x 410      |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 1164 x 212 x 478   | 1164 x 212 x 478    | 1164 x 212 x 478     |
| Panel Size             | Panel Model                        | -                     | -               | PC1NUSMAN          | PC1NUSMAN           | PC1NUSMAN            |
|                        | Panel Net Weight                   |                       | kg              | 3.00               | 3.00                | 3.00                 |
|                        | Shipping Weight                    |                       | kg              | 5.00               | 5.00                | 5.00                 |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 1180 x 225 x 460   | 1180 x 225 x 460    | 1180 x 225 x 460     |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 1259 x 144 x 539   | 1259 x 144 x 539    | 1259 x 144 x 539     |
|                        | Additional Accessories             |                       | -               | -                  | -                   | -                    |
| Additional Accessories | Drain Pump                         | Drain Pump            | -               | -                  | -                   | -                    |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -               | -                  | -                   | -                    |
| Air Filter             |                                    |                       | -               | -                  | -                   | -                    |
|                        |                                    |                       | -               | -                  | -                   | -                    |

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### Optional Accessories

Individual Controllers

MWR-WE10N MR-DH00

Panel

PC1NUSMAN PC1NUPMAN

## 2Way Cassette



- Standard Formula for Easy Installation
- Twin Cross Flow Fan
- Small Size, Big Performance
- New Communication Protocol



High Lift-UP

|                        |                                    |                       |                 | 50Hz                 |                      |
|------------------------|------------------------------------|-----------------------|-----------------|----------------------|----------------------|
| Model                  |                                    |                       |                 | AM056FN2DEH          | AM071FN2DEH          |
| Power Supply           |                                    | Φ, #, V, Hz           | -               | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                                    | -                     | -               | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)                 | Cooling               | kW              | 5.60                 | 7.10                 |
|                        |                                    |                       | Btu/h           | 19,100               | 24,200               |
|                        |                                    | Heating               | kW              | 6.30                 | 8.00                 |
|                        |                                    |                       | Btu/h           | 21,500               | 27,300               |
| Power                  | Power Input (Nominal)              | Cooling               | W               | 70.00                | 75.00                |
|                        |                                    | Heating               | W               | 70.00                | 75.00                |
|                        | Current Input (Nominal)            | Cooling               | A               | 0.38                 | 0.40                 |
|                        |                                    | Heating               | A               | 0.38                 | 0.40                 |
| Fan                    | Motor                              | Type                  | -               | Crossflow Fan        | Crossflow Fan        |
|                        |                                    | Output                | W               | 14 x 2               | 14 x 2               |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM             | 14.00/13.00/12.00    | 15.00/14.00/13.00    |
|                        |                                    |                       | l/s             | 233.33/216.67/200.00 | 250.00/233.33/216.67 |
| Fan                    | External Static Pressure           | Min. / Std. / Max.    | mmAq            | -                    | -                    |
|                        |                                    |                       | Pa              | -                    | -                    |
| Piping Connections     | Liquid Pipe                        |                       | Φ, mm           | 6.35                 | 9.52                 |
|                        |                                    |                       | Φ, inch         | 1/4"                 | 3/8"                 |
|                        | Gas Pipe                           |                       | Φ, mm           | 12.70                | 15.88                |
|                        |                                    |                       | Φ, inch         | 1/2"                 | 5/8"                 |
| Field Wiring           | Drain Pipe                         |                       | Φ, mm           | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
|                        |                                    |                       | mm <sup>2</sup> | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup> | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        |                                    |                       | mm <sup>2</sup> | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
| Refrigerant            | Type                               | -                     | -               | R410A                | R410A                |
|                        | Control Method                     | -                     | -               | EEV INCLUDED         | EEV INCLUDED         |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA             | 38.0/37.0/35.0       | 41.0/39.0/37.0       |
|                        | Sound Power                        | High / Mid / Low      | dBA             | -                    | -                    |
| Dimensions             | Net Weight                         |                       | kg              | 21.00                | 22.00                |
|                        | Shipping Weight                    |                       | kg              | 25.00                | 26.00                |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 890 x 230 x 575      | 890 x 230 x 575      |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 1077 x 299 x 642     | 1077 x 299 x 642     |
| Panel Size             | Panel Model                        | -                     | -               | PC2NUSMEN            | PC2NUSMEN            |
|                        | Panel Net Weight                   |                       | kg              | 4.00                 | 4.00                 |
|                        | Shipping Weight                    |                       | kg              | 8.00                 | 8.00                 |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 1030 x 25 x 650      | 1030 x 25 x 650      |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 1103 x 151 x 727     | 1103 x 151 x 727     |
|                        | Additional Accessories             |                       | -               | -                    | -                    |
| Additional Accessories | Drain Pump                         | Drain Pump            | -               | -                    | -                    |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -               | -                    | -                    |
| Air Filter             |                                    |                       | -               | -                    | -                    |
|                        |                                    |                       | -               | -                    | -                    |

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### Optional Accessories

Individual Controllers

MWR-WE10N MR-DH00

Panel

PC2NUSMEN



HSP Duct

- High External Static Pressure
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain
- New Communication Protocol



| Model                  |                         |                                    |                 | AM112FNHDEH          | AM128FNHDEH          | AM140FNHDEH          | AM220FNHDEH          | AM280FNHDEH              |
|------------------------|-------------------------|------------------------------------|-----------------|----------------------|----------------------|----------------------|----------------------|--------------------------|
| Power Supply           |                         | Φ, #, V, Hz                        | -               | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50           |
| Mode                   |                         |                                    | -               | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                    |
| Performance            | Capacity (Nominal)      | Cooling                            | kW              | 11.20                | 12.80                | 14.00                | 22.40                | 28.00                    |
|                        |                         |                                    | Btu/h           | 38,200               | 43,700               | 47,800               | 76,400               | 95,500                   |
|                        |                         | Heating                            | kW              | 12.50                | 13.80                | 16.80                | 25.00                | 31.50                    |
|                        |                         |                                    | Btu/h           | 42,700               | 47,100               | 57,300               | 85,300               | 107,500                  |
| Power                  | Power Input (Nominal)   | Cooling                            | W               | 510.00               | 560.00               | 625.00               | 530.00               | 790.00                   |
|                        |                         | Heating                            |                 | 510.00               | 560.00               | 625.00               | 530.00               | 790.00                   |
|                        | Current Input (Nominal) | Cooling                            | A               | 3.60                 | 3.75                 | 3.90                 | 3.80                 | 5.90                     |
|                        |                         | Heating                            |                 | 3.60                 | 3.75                 | 3.90                 | 3.80                 | 5.90                     |
| Fan                    | Motor                   | Type                               | -               | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan              |
|                        |                         | Output                             | W               | 400 x 1              | 400 x 1              | -                    | 400 x 1              | 400 x 1                  |
|                        | Air Flow Rate           | High / Mid / Low (UL)              | CMM             | 32.00/27.00/23.00    | 35.00/31.00/28.00    | 39.00/33.00/28.00    | 58.00/52.00/47.00    | 72.00/65.00/58.00        |
|                        |                         |                                    | l/s             | 533.33/450.00/383.33 | 583.33/516.67/466.67 | 650.00/550.00/466.67 | 966.67/866.67/783.33 | 1,200.00/1,083.33/966.67 |
| Piping Connections     | Liquid Pipe             | Φ, mm                              | mmAq            | 5.00/10.00/20.00     | 5.00/10.00/20.00     | 5.00/10.00/20.00     | 5.00/15.00/25.00     | 5.00/15.00/28.00         |
|                        |                         |                                    | Pa              | 49.03/98.07/196.13   | 49.03/98.07/196.13   | 49.03/98.07/196.13   | 49.03/147.10/245.17  | 49.03/147.10/274.59      |
|                        | Gas Pipe                | Φ, inch                            |                 |                      |                      |                      |                      |                          |
|                        |                         |                                    |                 |                      |                      |                      |                      |                          |
| Field Wiring           | Power Source Wire       | Below 20m / Over 20m               | mm              | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)       |
|                        |                         |                                    | mm <sup>2</sup> | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5                |
|                        | Transmission Cable      |                                    | mm <sup>2</sup> | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50              |
|                        |                         |                                    |                 |                      |                      |                      |                      |                          |
| Refrigerant            | Type                    |                                    |                 | R410A                | R410A                | R410A                | R410A                | R410A                    |
|                        |                         |                                    |                 |                      |                      |                      |                      |                          |
|                        | Control Method          |                                    |                 | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED             |
|                        |                         |                                    |                 |                      |                      |                      |                      |                          |
| Sound                  | Sound Pressure          | High / Mid / Low                   | dBA             | 43.0/41.0/39.0       | 44.0/42.0/40.0       | 45.0/43.0/41.0       | 45.0/43.0/41.0       | 48.0/46.0/43.0           |
|                        |                         |                                    |                 |                      |                      |                      |                      |                          |
|                        | Sound Power             | High / Mid / Low                   | dBA             | -                    | -                    | -                    | -                    | -                        |
|                        |                         |                                    |                 |                      |                      |                      |                      |                          |
| Dimensions             | Net Weight              |                                    | kg              | 62.00                | 70.00                | 62.00                | 89.00                | 89.00                    |
|                        |                         |                                    | kg              | 70.00                | 75.00                | 70.00                | 99.00                | 99.00                    |
|                        | Net Dimensions (WxHxD)  |                                    | mm              | 1200 x 360 x 650     | 1200 x 360 x 650     | 1200 x 360 x 650     | 1240 x 470 x 1040    | 1240 x 470 x 1040        |
|                        |                         |                                    | mm              | 1447 x 425 x 769     | 1447 x 425 x 769     | 1447 x 425 x 769     | 1507 x 558 x 1155    | 1507 x 558 x 1155        |
| Panel Size             | Panel Model             |                                    |                 | -                    | -                    | -                    | -                    | -                        |
|                        |                         |                                    | kg              | -                    | -                    | -                    | -                    | -                        |
|                        | Shipping Weight         |                                    | kg              | -                    | -                    | -                    | -                    | -                        |
|                        |                         |                                    | mm              | -                    | -                    | -                    | -                    | -                        |
| Additional Accessories | Drain Pump              | Max. Lifting Height / Displacement | mm / liter/h    | MDP-M075SGU1D        | MDP-M075SGU2D        | MDP-M075SGU2D        | MDP-N047SNC1D        | MDP-N047SNC1D            |
|                        |                         |                                    |                 | -                    | -                    | -                    | -                    | -                        |
|                        | Air Filter              |                                    |                 | -                    | -                    | -                    | -                    | -                        |
|                        |                         |                                    |                 | -                    | -                    | -                    | -                    | -                        |

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Optional Accessories





MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain
- New Communication Protocol



| Model                  |                             |                                    |                    | AM022FNMDEH          | AM028FNMDEH          | AM036FNMDEH          | AM045FNMDEH          | AM056FNMDEH          |
|------------------------|-----------------------------|------------------------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -                  | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             | -                                  | -                  | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW                 | 2.20                 | 2.80                 | 3.60                 | 4.50                 | 5.60                 |
|                        |                             |                                    | Btu/h              | 7,500                | 9,600                | 12,300               | 15,400               | 19,100               |
|                        |                             | Heating                            | kW                 | 2.50                 | 3.20                 | 4.00                 | 5.00                 | 6.30                 |
|                        |                             |                                    | Btu/h              | 8,500                | 10,900               | 13,600               | 17,100               | 21,500               |
| Power                  | Power Input (Nominal)       | Cooling                            | W                  | 80.00                | 80.00                | 85.00                | 125.00               | 130.00               |
|                        |                             | Heating                            | W                  | 80.00                | 80.00                | 85.00                | 125.00               | 130.00               |
|                        | Current Input (Nominal)     | Cooling                            | A                  | 0.40                 | 0.40                 | 0.55                 | 1.15                 | 1.10                 |
|                        |                             | Heating                            | A                  | 0.40                 | 0.40                 | 0.55                 | 1.15                 | 1.10                 |
| Fan                    | Motor                       | Type                               | -                  | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          |
|                        |                             | Output                             | W                  | 69 x 1               | 69 x 1               | 112 x 1              | 219 x 1              | 124 x 1              |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM                | 8.50/7.50/6.30       | 10.00/9.20/7.50      | 12.00/10.20/8.80     | 14.00/12.00/10.50    | 14.50/13.00/11.50    |
|                        |                             |                                    | l/s                | 141.67/125.00/105.00 | 166.67/153.33/125.00 | 200.00/170.00/146.67 | 233.33/200.00/175.00 | 241.67/216.67/191.67 |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq               | 0.00/2.00/6.00       | 0.00/2.00/6.00       | 0.00/2.00/6.00       | 0.00/4.00/8.00       | 0.00/4.00/8.00       |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | Pa                 | 0.00/19.61/58.84     | 0.00/19.61/58.84     | 0.00/19.61/58.84     | 0.00/39.23/78.45     | 0.00/39.23/78.45     |
|                        |                             |                                    | Φ, inch            | 6.35                 | 6.35                 | 6.35                 | 6.35                 | 6.35                 |
|                        | Gas Pipe                    | Φ, mm                              | Φ, inch            | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 |
|                        |                             |                                    | Φ, mm              | 12.70                | 12.70                | 12.70                | 12.70                | 12.70                |
|                        | Drain Pipe                  | Φ, mm                              | Φ, inch            | 1/2"                 | 1/2"                 | 1/2"                 | 1/2"                 | 1/2"                 |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | VP25 (OD 32,ID 25) | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
|                        |                             |                                    | mm <sup>2</sup>    | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Transmission Cable          |                                    | mm <sup>2</sup>    | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
| Refrigerant            | Type                        | -                                  | -                  | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        | Control Method              | -                                  | -                  | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA                | 23.0/21.0/19.0       | 24.0/22.0/19.0       | 29.0/27.0/24.0       | 32.0/30.0/28.0       | 35.0/33.0/31.0       |
|                        | Sound Power                 | High / Mid / Low                   | dBA                | -                    | -                    | -                    | -                    | -                    |
| Dimensions             | Net Weight                  |                                    | kg                 | 23.50                | 23.50                | 23.50                | 29.00                | 29.00                |
|                        | Shipping Weight             |                                    | kg                 | 28.00                | 28.00                | 28.00                | 33.00                | 33.00                |
|                        | Net Dimensions (WxHxD)      |                                    | mm                 | 900 x 199 x 600      | 900 x 199 x 600      | 900 x 199 x 600      | 900 x 260 x 480      | 900 x 260 x 480      |
|                        | Shipping Dimensions (WxHxD) |                                    | mm                 | 1150 x 280 x 710     | 1150 x 280 x 710     | 1150 x 280 x 710     | 1170 x 340 x 595     | 1170 x 340 x 595     |
| Panel Size             | Panel Model                 | -                                  | -                  | -                    | -                    | -                    | -                    | -                    |
|                        | Panel Net Weight            |                                    | kg                 | -                    | -                    | -                    | -                    | -                    |
|                        | Shipping Weight             |                                    | kg                 | -                    | -                    | -                    | -                    | -                    |
|                        | Net Dimensions (WxHxD)      |                                    | mm                 | -                    | -                    | -                    | -                    | -                    |
|                        | Shipping Dimensions (WxHxD) |                                    | mm                 | -                    | -                    | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -                  | MDP-E075SEE3D        | MDP-E075SEE3D        | MDP-E075SEE3D        | MDP-M075SGU3D        | MDP-M075SGU3D        |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h       | -                    | -                    | -                    | -                    | -                    |
|                        | Air Filter                  |                                    | -                  | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories

Individual Controllers



MWR-WE10N



MR-DH00



MRK-A10N

Drain Pump

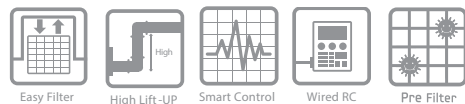


MDP-E075SEE3D  
MDP-M075SGU1D  
MDP-M075SGU2D  
MDP-M075SGU3D

MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain
- New Communication Protocol



| Model                  |                                    |                       |                    | AM071FNMDEH          | AM090FNMDEH          | AM112FNMDEH          | AM128FNMDEH          | AM140FNMDEH          |
|------------------------|------------------------------------|-----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                                    | Φ, #, V, Hz           | -                  | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                                    |                       | -                  | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)                 | Cooling               | kW                 | 7.10                 | 9.00                 | 11.20                | 12.80                | 14.00                |
|                        |                                    |                       | Btu/h              | 24,200               | 30,700               | 38,200               | 43,700               | 47,800               |
|                        |                                    | Heating               | kW                 | 8.00                 | 10.00                | 12.50                | 13.80                | 16.00                |
|                        |                                    |                       | Btu/h              | 27,300               | 34,100               | 42,700               | 47,100               | 54,600               |
| Power                  | Power Input (Nominal)              | Cooling               | W                  | 190.00               | 240.00               | 260.00               | 370.00               | 410.00               |
|                        |                                    | Heating               | W                  | 190.00               | 240.00               | 260.00               | 370.00               | 410.00               |
|                        | Current Input (Nominal)            | Cooling               | A                  | 1.25                 | 1.30                 | 1.17                 | 1.67                 | 1.86                 |
|                        |                                    | Heating               | A                  | 1.25                 | 1.30                 | 1.17                 | 1.67                 | 1.86                 |
| Fan                    | Motor                              | Type                  | -                  | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          |
|                        |                                    | Output                | W                  | 124 x 1              | 130 x 1              | 130 x 1              | 218 x 1              | 218 x 1              |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM                | 18.50/17.00/15.50    | 19.50/18.00/16.50    | 27.00/25.00/23.00    | 32.00/30.00/28.00    | 37.00/34.00/31.00    |
|                        |                                    |                       | l/s                | 308.33/283.33/258.33 | 325.00/300.00/275.00 | 450.00/416.67/383.33 | 533.33/500.00/466.67 | 616.67/566.67/516.67 |
| Piping Connections     | Liquid Pipe                        | Φ, mm                 | mmAq               | 0.00/4.00/8.00       | 4.00/6.00/8.00       | 4.00/8.00/12.00      | 4.00/8.00/14.00      | 4.00/8.00/14.00      |
|                        |                                    |                       | Pa                 | 0.00/39.23/78.45     | 39.23/58.84/78.45    | 39.23/78.45/117.68   | 39.23/78.45/137.29   | 39.23/78.45/137.29   |
|                        | Gas Pipe                           | Φ, inch               | VP25 (OD 32,ID 25) | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
|                        |                                    |                       | mm <sup>2</sup>    | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
| Field Wiring           | Transmission Cable                 | mm <sup>2</sup>       | mm <sup>2</sup>    | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        |                                    |                       | mm <sup>2</sup>    | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
| Refrigerant            | Type                               | -                     | -                  | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        | Control Method                     | -                     | -                  | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA                | 39.0/35.0/31.0       | 40.0/37.0/34.0       | 41.0/40.0/38.0       | 41.0/40.0/38.0       | 42.0/39.0/36.0       |
|                        | Sound Power                        | High / Mid / Low      | dBA                | -                    | -                    | -                    | -                    | -                    |
| Dimensions             | Net Weight                         | -                     | kg                 | 29.00                | 34.00                | 36.00                | 52.00                | 52.00                |
|                        | Shipping Weight                    | -                     | kg                 | 33.00                | 39.00                | 42.00                | 59.00                | 59.00                |
|                        | Net Dimensions (WxHxD)             | -                     | mm                 | 900 x 260 x 480      | 1150 x 260 x 480     | 1150 x 320 x 480     | 1200 x 360 x 650     | 1200 x 360 x 650     |
|                        | Shipping Dimensions (WxHxD)        | -                     | mm                 | 1170 x 340 x 595     | 1420 x 340 x 595     | 1420 x 400 x 595     | 1480 x 420 x 790     | 1480 x 420 x 790     |
| Panel Size             | Panel Model                        | -                     | -                  | -                    | -                    | -                    | -                    | -                    |
|                        | Panel Net Weight                   | -                     | kg                 | -                    | -                    | -                    | -                    | -                    |
|                        | Shipping Weight                    | -                     | kg                 | -                    | -                    | -                    | -                    | -                    |
|                        | Net Dimensions (WxHxD)             | -                     | mm                 | -                    | -                    | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                         | Drain Pump            | -                  | MDP-M075SGU3D        | MDP-M075SGU1D        | MDP-M075SGU1D        | MDP-M075SGU2D        | MDP-M075SGU2D        |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -                  | -                    | -                    | -                    | -                    | -                    |
| Air Filter             | -                                  | -                     | -                  | -                    | -                    | -                    | -                    | -                    |
|                        |                                    |                       |                    |                      |                      |                      |                      |                      |

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Optional Accessories

Individual Controllers



MWR-WE10N



MR-DH00



MRK-A10N

Drain Pump



MDP-E075SEE3D  
MDP-M075SGU1D  
MDP-M075SGU2D  
MDP-M075SGU3D

Slim Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol



| Model                  |                             |                                    |                 | AM017FNLDEH | AM022FNLDEH                     | AM028FNLDEH                     | AM036FNLDEH                     | AM045FNLDEH                     | AM056FNLDEH                     |
|------------------------|-----------------------------|------------------------------------|-----------------|-------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Power Supply           |                             | Φ, #, V, Hz                        |                 |             | 1,2,220-240,50                  | 1,2,220-240,50                  | 1,2,220-240,50                  | 1,2,220-240,50                  | 1,2,220-240,50                  |
| Mode                   |                             |                                    |                 |             | HP/HR                           | HP/HR                           | HP/HR                           | HP/HR                           | HP/HR                           |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 1.70        | 2.20                            | 2.80                            | 3.60                            | 4.50                            | 5.60                            |
|                        |                             |                                    | Btu/h           |             | 7,500                           | 9,600                           | 12,300                          | 15,400                          | 19,100                          |
|                        |                             | Heating                            | kW              | 1.90        | 2.50                            | 3.20                            | 4.00                            | 5.00                            | 6.30                            |
|                        |                             |                                    | Btu/h           |             | 8,500                           | 10,900                          | 13,600                          | 17,100                          | 21,500                          |
| Power                  | Power Input (Nominal)       | Cooling                            | W               |             | 55.00                           | 60.00                           | 65.00                           | 90.00                           | 95.00                           |
|                        |                             | Heating                            |                 |             | 55.00                           | 60.00                           | 65.00                           | 90.00                           | 95.00                           |
|                        | Current Input (Nominal)     | Cooling                            | A               |             | 0.30                            | 0.32                            | 0.33                            | 0.52                            | 0.53                            |
|                        |                             | Heating                            |                 |             | 0.30                            | 0.32                            | 0.33                            | 0.52                            | 0.53                            |
| Fan                    | Motor                       | Type                               | -               |             | Sirocco Fan                     | Sirocco Fan                     | Sirocco Fan                     | Sirocco Fan                     | Sirocco Fan                     |
|                        |                             | Output                             | W               |             | 69 x 1                          | -                               | -                               | -                               | -                               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             |             | 7.00/6.10/5.30                  | 7.50/6.60/5.60                  | 7.50/6.60/5.60                  | 11.00/9.60/8.30                 | 12.00/10.50/9.00                |
|                        |                             |                                    | l/s             |             | 116.67/101.67/88.33             | 125.00/110.00/93.33             | 125.00/110.00/93.33             | 183.33/160.00/138.33            | 200.00/175.00/150.00            |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq            |             | 0.00/1.00/3.00                  | 0.00/1.00/3.00                  | 0.00/1.00/3.00                  | 0.00/2.00/4.00                  | 0.00/2.00/4.00                  |
| Piping Connections     | Liquid Pipe                 |                                    | Φ, mm           |             | 6.35                            | 6.35                            | 6.35                            | 6.35                            | 6.35                            |
|                        |                             |                                    | Φ, inch         |             | 1/4"                            | 1/4"                            | 1/4"                            | 1/4"                            | 1/4"                            |
|                        | Gas Pipe                    |                                    | Φ, mm           |             | 12.70                           | 12.70                           | 12.70                           | 12.70                           | 12.70                           |
|                        |                             |                                    | Φ, inch         | TBD         | 1/2"                            | 1/2"                            | 1/2"                            | 1/2"                            | 1/2"                            |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> |             | VP25 (OD 32,ID 25)<br>1.5 ~ 2.5 | VP25 (OD 32,ID 25)<br>1.5 ~ 2.5 | VP25 (OD 32,ID 25)<br>1.5 ~ 2.5 | VP25 (OD 32,ID 25)<br>1.5 ~ 2.5 | VP25 (OD 32,ID 25)<br>1.5 ~ 2.5 |
|                        |                             |                                    | mm <sup>2</sup> |             | 0.75 ~ 1.50                     | 0.75 ~ 1.50                     | 0.75 ~ 1.50                     | 0.75 ~ 1.50                     | 0.75 ~ 1.50                     |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> |             |                                 |                                 |                                 |                                 |                                 |
| Refrigerant            | Type                        |                                    | -               |             | R410A                           | R410A                           | R410A                           | R410A                           | R410A                           |
|                        | Control Method              |                                    | -               |             | EEV INCLUDED                    | EEV INCLUDED                    | EEV INCLUDED                    | EEV INCLUDED                    | EEV INCLUDED                    |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             |             | 26.0/24.0/21.0                  | 28.0/26.0/23.0                  | 32.0/30.0/27.0                  | 35.0/31.0/26.0                  | 36.0/34.0/31.0                  |
|                        | Sound Power                 | High / Mid / Low                   | dBA             |             | -                               | -                               | -                               | -                               | -                               |
| Dimensions             | Net Weight                  |                                    | kg              |             | 19.00                           | 19.00                           | 19.50                           | 23.50                           | 23.50                           |
|                        | Shipping Weight             |                                    | kg              |             | 23.00                           | 23.00                           | 23.50                           | 28.00                           | 28.00                           |
|                        | Net Dimensions (WxHxD)      |                                    | mm              |             | 700 x 199 x 600                 | 700 x 199 x 600                 | 700 x 199 x 600                 | 900 x 199 x 600                 | 900 x 199 x 600                 |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              |             | 950 x 270 x 710                 | 950 x 270 x 710                 | 950 x 270 x 710                 | 1150 x 280 x 710                | 1150 x 280 x 710                |
| Panel Size             | Panel Model                 |                                    | -               |             | -                               | -                               | -                               | -                               | -                               |
|                        | Panel Net Weight            |                                    | kg              |             | -                               | -                               | -                               | -                               | -                               |
|                        | Shipping Weight             |                                    | kg              |             | -                               | -                               | -                               | -                               | -                               |
|                        | Net Dimensions (WxHxD)      |                                    | mm              |             | -                               | -                               | -                               | -                               | -                               |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              |             | -                               | -                               | -                               | -                               | -                               |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               |             | MDP-E075SEE3D                   | MDP-E075SEE3D                   | MDP-E075SEE3D                   | MDP-E075SEE3D                   | MDP-E075SEE3D                   |
|                        | Air Filter                  | Max. Lifting Height / Displacement | mm / liter/h    |             | -                               | -                               | -                               | -                               | -                               |

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Optional Accessories



Slim Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain
- New Communication Protocol



| Model              |                         |                                    |                             | AM071FNLDEH          | AM090FNLDEH          | AM112FNLDEH          | AM128FNLDEH          | AM140FNLDEH          |
|--------------------|-------------------------|------------------------------------|-----------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply       |                         | Φ, #, V, Hz                        | -                           | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode               |                         |                                    | -                           | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance        | Capacity (Nominal)      | Cooling                            | kW                          | 7.10                 | 9.00                 | 11.20                | 12.80                | 14.00                |
|                    |                         |                                    | Btu/h                       | 24,200               | 30,700               | 38,200               | 43,700               | 47,800               |
|                    |                         | Heating                            | kW                          | 8.00                 | 10.00                | 12.50                | 13.80                | 16.00                |
|                    |                         |                                    | Btu/h                       | 27,300               | 34,100               | 42,700               | 47,100               | 54,600               |
| Power              | Power Input (Nominal)   | Cooling                            | W                           | 120.00               | 170.00               | 170.00               | 200.00               | 220.00               |
|                    |                         | Heating                            | W                           | 120.00               | 170.00               | 170.00               | 200.00               | 220.00               |
|                    | Current Input (Nominal) | Cooling                            | A                           | 0.60                 | 0.96                 | 0.96                 | 1.28                 | 1.43                 |
|                    |                         | Heating                            | A                           | 0.60                 | 0.96                 | 0.96                 | 1.28                 | 1.43                 |
| Fan                | Motor                   | Type                               | -                           | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          | Sirocco Fan          |
|                    |                         | Output                             | W                           | -                    | -                    | -                    | -                    | -                    |
|                    | Air Flow Rate           | High / Mid / Low (UL)              | CMM                         | 16.50/15.00/13.50    | 29.00/27.00/25.00    | 31.20/29.00/27.00    | 34.00/32.00/30.00    | 36.00/34.00/32.00    |
|                    |                         |                                    | l/s                         | 275.00/250.00/225.00 | 483.33/450.00/416.67 | 520.00/483.33/450.00 | 566.67/533.33/500.00 | 600.00/566.67/533.33 |
| Piping Connections | Liquid Pipe             | Φ, mm                              | mmAq                        | 0.00/2.00/4.00       | 0.00/3.00/6.00       | 0.00/3.00/6.00       | 0.00/3.00/6.00       | 0.00/3.00/6.00       |
|                    |                         |                                    | Pa                          | 0.00/19.61/39.23     | 0.00/29.42/58.84     | 0.00/29.42/58.84     | 0.00/29.42/58.84     | 0.00/29.42/58.84     |
|                    | Gas Pipe                | Φ, inch                            | Φ, mm                       | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
|                    |                         |                                    | mm <sup>2</sup>             | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
| Field Wiring       | Transmission Cable      | mm <sup>2</sup>                    | Type                        | -                    | -                    | -                    | -                    | -                    |
|                    |                         |                                    | Control Method              | -                    | -                    | -                    | -                    | -                    |
| Sound              | Sound Pressure          | High / Mid / Low                   | dBA                         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         |
|                    |                         |                                    | dBA                         | 38.0/36.0/33.0       | 37.0/36.0/34.0       | 37.0/36.0/34.0       | 37.0/36.0/34.0       | 39.0/38.0/34.0       |
|                    | Sound Power             | High / Mid / Low                   | kg                          | -                    | -                    | -                    | -                    | -                    |
|                    |                         |                                    | kg                          | -                    | -                    | -                    | -                    | -                    |
| Dimensions         | Net Weight              | mm                                 | Shipping Weight             | 1100 x 199 x 600     | 1300 x 295 x 690     | 1300 x 295 x 690     | 1300 x 295 x 690     | 1300 x 295 x 690     |
|                    |                         |                                    | Shipping Dimensions (WxHxD) | 1350 x 280 x 710     | 1575 x 370 x 835     | 1575 x 370 x 835     | 1575 x 370 x 835     | 1575 x 370 x 835     |
|                    | Panel Model             | kg                                 | Panel Net Weight            | -                    | -                    | -                    | -                    | -                    |
|                    |                         |                                    | Shipping Weight             | -                    | -                    | -                    | -                    | -                    |
| Panel Size         | Net Dimensions (WxHxD)  | mm                                 | Net Dimensions (WxHxD)      | -                    | -                    | -                    | -                    | -                    |
|                    |                         |                                    | Shipping Dimensions (WxHxD) | -                    | -                    | -                    | -                    | -                    |
|                    | Additional Accessories  | Max. Lifting Height / Displacement | mm / liter/h                | MDP-E075SEE3D        | MDP-E075SEE3D        | MDP-E075SEE3D        | MDP-E075SEE3D        | MDP-E075SEE3D        |
|                    |                         |                                    | Air Filter                  | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories







Neo Forte

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel
- New Communication Protocol



| Model                  |                             |                                    |                 | AM022FNTDEH         | AM028FNTDEH         | AM036FNTDEH          | AM056FNTDEH          | AM071FNTDEH          |
|------------------------|-----------------------------|------------------------------------|-----------------|---------------------|---------------------|----------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -               | 1,2,220-240,50      | 1,2,220-240,50      | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             |                                    | -               | HP/HR               | HP/HR               | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 2.20                | 2.80                | 3.60                 | 5.60                 | 6.80                 |
|                        |                             |                                    | Btu/h           | 7,500               | 9,600               | 12,300               | 19,100               | 23,200               |
|                        |                             | Heating                            | kW              | 2.50                | 3.20                | 4.00                 | 6.30                 | 7.00                 |
|                        |                             |                                    | Btu/h           | 8,500               | 10,900              | 13,600               | 21,500               | 23,900               |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 25.00               | 25.00               | 30.00                | 45.00                | 50.00                |
|                        |                             | Heating                            |                 | 25.00               | 25.00               | 30.00                | 45.00                | 50.00                |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.16                | 0.16                | 0.18                 | 0.27                 | 0.30                 |
|                        |                             | Heating                            |                 | 0.16                | 0.16                | 0.18                 | 0.27                 | 0.30                 |
| Fan                    | Motor                       | Type                               | -               | Crossflow Fan       | Crossflow Fan       | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        |
|                        |                             | Output                             | W               | 23 x 1              | 23 x 1              | 23 x 1               | 40 x 1               | 40 x 1               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 7.80/6.80/5.80      | 7.80/6.80/5.80      | 9.30/8.30/7.30       | 12.00/10.50/9.00     | 14.00/12.50/11.00    |
|                        |                             |                                    | l/s             | 130.00/113.33/96.67 | 130.00/113.33/96.67 | 155.00/138.33/121.67 | 200.00/175.00/150.00 | 233.33/208.33/183.33 |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq            | -                   | -                   | -                    | -                    | -                    |
|                        |                             |                                    | Pa              | -                   | -                   | -                    | -                    | -                    |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | 6.35            | 6.35                | 6.35                | 6.35                 | 9.52                 |                      |
|                        |                             | Φ, inch                            | 1/4"            | 1/4"                | 1/4"                | 1/4"                 | 3/8"                 |                      |
|                        | Gas Pipe                    | Φ, mm                              | 12.70           | 12.70               | 12.70               | 12.70                | 15.88                |                      |
|                        |                             | Φ, inch                            | 1/2"            | 1/2"                | 1/2"                | 1/2"                 | 5/8"                 |                      |
| Field Wiring           | Drain Pipe                  | Φ, mm                              | ID 18 HOSE      | ID 18 HOSE          | ID 18 HOSE          | ID 18 HOSE           | ID 18 HOSE           |                      |
|                        | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> | 1.5 ~ 2.5           | 1.5 ~ 2.5           | 1.5 ~ 2.5            | 1.5 ~ 2.5            |                      |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> | 0.75 ~ 1.50         | 0.75 ~ 1.50         | 0.75 ~ 1.50          | 0.75 ~ 1.50          |                      |
| Refrigerant            | Type                        |                                    | -               | R410A               | R410A               | R410A                | R410A                |                      |
|                        | Control Method              |                                    | -               | EEV NOT INCLUDED    | EEV NOT INCLUDED    | EEV NOT INCLUDED     | EEV NOT INCLUDED     |                      |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 31.0/29.0/27.0      | 31.0/29.0/27.0      | 31.0/29.0/27.0       | 44.0/41.0/38.0       | 45.0/42.0/38.0       |
|                        | Sound Power                 | High / Mid / Low                   | dBA             | -                   | -                   | -                    | -                    | -                    |
| Dimensions             | Net Weight                  |                                    | kg              | 8.00                | 8.00                | 8.00                 | 13.00                | 13.00                |
|                        | Shipping Weight             |                                    | kg              | 11.00               | 11.00               | 11.00                | 16.00                | 16.00                |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | 825 x 285 x 189     | 825 x 285 x 189     | 825 x 285 x 189      | 1065 x 298 x 218     | 1065 x 298 x 218     |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 904 x 353 x 263     | 904 x 353 x 263     | 904 x 353 x 263      | 1137 x 377 x 299     | 1137 x 377 x 299     |
| Panel Size             | Panel Model                 |                                    | -               | -                   | -                   | -                    | -                    | -                    |
|                        | Panel Net Weight            |                                    | kg              | -                   | -                   | -                    | -                    | -                    |
|                        | Shipping Weight             |                                    | kg              | -                   | -                   | -                    | -                    | -                    |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | -                   | -                   | -                    | -                    | -                    |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | -                   | -                   | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               | -                   | -                   | -                    | -                    | -                    |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h    | -                   | -                   | -                    | -                    | -                    |
| Air Filter             |                             |                                    | -               | -                   | -                   | -                    | -                    |                      |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Optional Accessories

Individual Controllers



MWR-WE10NMR-DH00

Standard Accessories

Wireless Remote Controller





Neo Forte - E

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel
- Internal EEV
- New Communication Protocol



| Model                  |                             |                                    |                 | AM022FNQDEH         | AM028FNQDEH         | AM036FNQDEH          | AM045FNQDEH          | AM056FNQDEH          | AM071FNQDEH          |
|------------------------|-----------------------------|------------------------------------|-----------------|---------------------|---------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        |                 | 1,2,220-240,50      | 1,2,220-240,50      | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             | -                                  |                 | HP/HR               | HP/HR               | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 2.20                | 2.80                | 3.60                 | 4.50                 | 5.60                 | 6.80                 |
|                        |                             |                                    | Btu/h           | 7,500               | 9,600               | 12,300               | 15,400               | 19,100               | 23,200               |
|                        |                             | Heating                            | kW              | 2.50                | 3.20                | 4.00                 | 5.00                 | 6.30                 | 7.00                 |
|                        |                             |                                    | Btu/h           | 8,500               | 10,900              | 13,600               | 17,100               | 21,500               | 23,900               |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 25.00               | 25.00               | 30.00                | 40.00                | 45.00                | 50.00                |
|                        |                             | Heating                            | W               | 25.00               | 25.00               | 30.00                | 40.00                | 45.00                | 50.00                |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.16                | 0.16                | 0.18                 | 0.24                 | 0.27                 | 0.30                 |
|                        |                             | Heating                            | A               | 0.16                | 0.16                | 0.18                 | 0.24                 | 0.27                 | 0.30                 |
| Fan                    | Motor                       | Type                               | -               | Crossflow Fan       | Crossflow Fan       | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        |
|                        |                             | Output                             | W               | 23 x 1              | 23 x 1              | 40 x 1               | 40 x 1               | 40 x 1               | 40 x 1               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 7.80/6.80/5.80      | 7.80/6.80/5.80      | 9.30/8.30/7.30       | 11.70/10.20/8.70     | 13.00/10.50/9.00     | 14.00/12.50/11.00    |
|                        |                             |                                    | l/s             | 130.00/113.33/96.67 | 130.00/113.33/96.67 | 155.00/138.33/121.67 | 195.00/170.00/145.00 | 216.67/175.00/150.00 | 233.33/208.33/183.33 |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq            | -                   | -                   | -                    | -                    | -                    | -                    |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | Pa              | -                   | -                   | -                    | -                    | -                    | -                    |
|                        |                             |                                    | Φ, mm           | 6.35                | 6.35                | 6.35                 | 6.35                 | 6.35                 | 9.52                 |
|                        | Gas Pipe                    | Φ, mm                              | Φ, inch         | 1/4"                | 1/4"                | 1/4"                 | 1/4"                 | 1/4"                 | 3/8"                 |
|                        |                             |                                    | Φ, mm           | 12.70               | 12.70               | 12.70                | 12.70                | 12.70                | 15.88                |
|                        | Drain Pipe                  | Φ, mm                              | Φ, inch         | 1/2"                | 1/2"                | 1/2"                 | 1/2"                 | 1/2"                 | 5/8"                 |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | Φ, mm           | ID 18 HOSE          | ID 18 HOSE          | ID 18 HOSE           | ID 18 HOSE           | ID 18 HOSE           | ID 18 HOSE           |
|                        |                             |                                    | mm <sup>2</sup> | 1.5 ~ 2.5           | 1.5 ~ 2.5           | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> | 0.75 ~ 1.50         | 0.75 ~ 1.50         | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
| Refrigerant            | Type                        |                                    | -               | R410A               | R410A               | R410A                | R410A                | R410A                | R410A                |
|                        | Control Method              |                                    | -               | EEV INCLUDED        | EEV INCLUDED        | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         | EEV INCLUDED         |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 30.0/28.0/26.0      | 30.0/28.0/26.0      | 37.0/33.0/29.0       | 39.0/37.0/35.0       | 41.0/38.0/35.0       | 44.0/40.0/35.0       |
|                        | Sound Power                 | High / Mid / Low                   | dBA             | -                   | -                   | -                    | -                    | -                    | -                    |
| Dimensions             | Net Weight                  |                                    | kg              | 8.30                | 8.30                | 8.30                 | 13.50                | 13.50                | 13.50                |
|                        | Shipping Weight             |                                    | kg              | 11.30               | 11.30               | 11.30                | 16.50                | 16.50                | 16.50                |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | 825 x 285 x 189     | 825 x 285 x 189     | 825 x 285 x 189      | 1065 x 298 x 218     | 1065 x 298 x 218     | 1065 x 298 x 218     |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 904 x 353 x 263     | 904 x 353 x 263     | 904 x 353 x 263      | 1137 x 377 x 299     | 1137 x 377 x 299     | 1137 x 377 x 299     |
| Panel Size             | Panel Model                 |                                    | -               | -                   | -                   | -                    | -                    | -                    | -                    |
|                        | Panel Net Weight            |                                    | kg              | -                   | -                   | -                    | -                    | -                    | -                    |
|                        | Shipping Weight             |                                    | kg              | -                   | -                   | -                    | -                    | -                    | -                    |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | -                   | -                   | -                    | -                    | -                    | -                    |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | -                   | -                   | -                    | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               | -                   | -                   | -                    | -                    | -                    | -                    |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h    | -                   | -                   | -                    | -                    | -                    | -                    |
|                        | Air Filter                  |                                    | -               | -                   | -                   | -                    | -                    | -                    | -                    |

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\* The concept of Neo Forte(EEV included) is for commercial application only.

Optional Accessories

Individual Controllers



MWR-WE10NMR-DH00

Standard Accessories

Wireless Remote Controller





## Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation
- New Communication Protocol



Virus Doctor

Interior Design

Anti-Virus Filter

Light Weight

Flexible

| Model                  |                             |                                    |                 | AM028FNJDEH         | AM036FNJDEH          | AM056FNJDEH          |
|------------------------|-----------------------------|------------------------------------|-----------------|---------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -               | 1,2,220-240,50      | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             | -                                  | -               | HP/HR               | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 2.80                | 3.60                 | 5.60                 |
|                        |                             |                                    | Btu/h           | 9,600               | 12,300               | 19,100               |
|                        |                             | Heating                            | kW              | 3.20                | 4.00                 | 6.30                 |
|                        |                             |                                    | Btu/h           | 10,900              | 13,600               | 21,500               |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 30.00               | 35.00                | 62.00                |
|                        |                             | Heating                            | W               | 30.00               | 35.00                | 62.00                |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.25                | 0.29                 | 0.49                 |
|                        |                             | Heating                            | A               | 0.25                | 0.29                 | 0.49                 |
| Fan                    | Motor                       | Type                               | -               | Turbo Fan           | Turbo Fan            | Turbo Fan            |
|                        |                             | Output                             | W               | 37 x 1              | 37 x 1               | 37 x 1               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 7.00/6.00/5.00      | 8.50/7.50/6.50       | 13.00/11.50/10.00    |
|                        |                             |                                    | l/s             | 116.67/100.00/83.33 | 141.67/125.00/108.33 | 216.67/191.67/166.67 |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | mmAq            | -                   | -                    | -                    |
|                        |                             |                                    | Pa              | -                   | -                    | -                    |
|                        | Gas Pipe                    | Φ, inch                            | Φ, mm           | 6.35                | 6.35                 | 6.35                 |
|                        |                             |                                    | Φ, inch         | 1/4"                | 1/4"                 | 1/4"                 |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | Φ, mm           | 12.70               | 12.70                | 12.70                |
|                        |                             |                                    | Φ, inch         | 1/2"                | 1/2"                 | 1/2"                 |
|                        | Transmission Cable          | mm <sup>2</sup>                    | Φ, mm           | ID 18 HOSE          | ID 18 HOSE           | ID 18 HOSE           |
|                        |                             |                                    | mm <sup>2</sup> | 1.5 ~ 2.5           | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
| Refrigerant            | Type                        | -                                  | mm <sup>2</sup> | 0.75 ~ 1.50         | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        |                             |                                    | mm <sup>2</sup> | 0.75 ~ 1.50         | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        | Control Method              | -                                  | -               | R410A               | R410A                | R410A                |
|                        |                             |                                    | -               | EEV INCLUDED        | EEV INCLUDED         | EEV INCLUDED         |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 38.0/36.0/34.0      | 39.0/37.0/34.0       | 43.0/40.0/37.0       |
|                        |                             |                                    | dBA             | -                   | -                    | -                    |
|                        | Sound Power                 | High / Mid / Low                   | kg              | 16.00               | 16.00                | 16.00                |
|                        |                             |                                    | kg              | 21.00               | 21.00                | 21.00                |
| Dimensions             | Net Dimensions (WxHxD)      | mm                                 | mm              | 720 x 620 x 199     | 720 x 620 x 199      | 720 x 620 x 199      |
|                        |                             |                                    | mm              | 810 x 710 x 295     | 810 x 710 x 295      | 810 x 710 x 295      |
|                        | Shipping Dimensions (WxHxD) | mm                                 | -               | -                   | -                    | -                    |
|                        |                             |                                    | -               | -                   | -                    | -                    |
| Panel Size             | Panel Model                 | -                                  | kg              | -                   | -                    | -                    |
|                        |                             |                                    | kg              | -                   | -                    | -                    |
|                        | Shipping Weight             | -                                  | kg              | -                   | -                    | -                    |
|                        |                             |                                    | kg              | -                   | -                    | -                    |
| Additional Accessories | Drain Pump                  | Max. Lifting Height / Displacement | mm              | -                   | -                    | -                    |
|                        |                             |                                    | mm / liter/h    | -                   | -                    | -                    |
|                        | Air Filter                  | -                                  | -               | -                   | -                    | -                    |
|                        |                             |                                    | -               | -                   | -                    | -                    |

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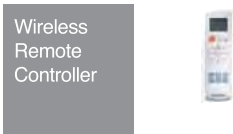
### Optional Accessories



MWR-WE10N

MR-DH00

### Standard Accessories



Wireless Remote Controller



## Ceiling

- 2Way Installation
- Compact but Powerful
- New Communication Protocol



Interior Design

Anti-Virus Filter

Light Weight

Flexible

| Model                  |                             |                                    |                 | AM056FNCDEH          | AM071FNCDEH          |
|------------------------|-----------------------------|------------------------------------|-----------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -               | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             | -                                  | -               | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 5.60                 | 7.10                 |
|                        |                             |                                    | Btu/h           | 19,100               | 24,200               |
|                        |                             | Heating                            | kW              | 6.30                 | 8.00                 |
|                        |                             |                                    | Btu/h           | 21,500               | 27,300               |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 72.00                | 80.00                |
|                        |                             | Heating                            | W               | 72.00                | 77.00                |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.33                 | 0.35                 |
|                        |                             | Heating                            | A               | 0.28                 | 0.29                 |
| Fan                    | Motor                       | Type                               | -               | Sirocco Fan          | Sirocco Fan          |
|                        |                             | Output                             | W               | 60 x 1               | 120 x 1              |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 14.00/13.00/12.00    | 18.00/16.50/15.00    |
|                        |                             |                                    | l/s             | 233.33/216.67/200.00 | 300.00/275.00/250.00 |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | mmAq            | -                    | -                    |
|                        |                             |                                    | Pa              | -                    | -                    |
|                        | Gas Pipe                    | Φ, inch                            | Φ, mm           | 6.35                 | 9.52                 |
|                        |                             |                                    | Φ, inch         | 1/4"                 | 3/8"                 |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | Φ, mm           | 12.70                | 15.88                |
|                        |                             |                                    | Φ, inch         | 1/2"                 | 5/8"                 |
|                        | Transmission Cable          | mm <sup>2</sup>                    | Φ, mm           | ID 18 HOSE           | ID 18 HOSE           |
|                        |                             |                                    | mm <sup>2</sup> | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
| Refrigerant            | Type                        | -                                  | mm <sup>2</sup> | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        |                             |                                    | mm <sup>2</sup> | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
|                        | Control Method              | -                                  | -               | R410A                | R410A                |
|                        |                             |                                    | -               | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 40.0/37.0/34.0       | 44.0/42.0/40.0       |
|                        |                             |                                    | dBA             | -                    | -                    |
|                        | Sound Power                 | High / Mid / Low                   | kg              | 21.00                | 21.00                |
|                        |                             |                                    | kg              | 25.50                | 25.50                |
| Dimensions             | Net Dimensions (WxHxD)      | mm                                 | mm              | 1000 x 650 x 200     | 1000 x 650 x 200     |
|                        |                             |                                    | mm              | 1080 x 730 x 300     | 1080 x 730 x 300     |
|                        | Shipping Dimensions (WxHxD) | mm                                 | -               | -                    | -                    |
|                        |                             |                                    | -               | -                    | -                    |
| Panel Size             | Panel Model                 | -                                  | kg              | -                    | -                    |
|                        |                             |                                    | kg              | -                    | -                    |
|                        | Shipping Weight             | -                                  | kg              | -                    | -                    |
|                        |                             |                                    | kg              | -                    | -                    |
| Additional Accessories | Drain Pump                  | Max. Lifting Height / Displacement | mm              | -                    | -                    |
|                        |                             |                                    | mm / liter/h    | -                    | -                    |
|                        | Air Filter                  | -                                  | -               | -                    | -                    |
|                        |                             |                                    | -               | -                    | -                    |

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### Optional Accessories



MWR-WE10N

MR-DH00



Concealed Floor Standing

- Ideal for installation beneath a window
- Ideal for perimeter refurbishments
- New Communication Protocol



Pre Filter



ERV PLUS

- Humidifier element (Optional)
- CO<sub>2</sub> Sensor (Optional)
- Slim Design
- Virus Doctor (Optional)
- Direct Expansion (DX) Coil
- New Diamond Type Element
- New Communication Protocol

| Model                  |                                    |                       |                 | AM036FNFDEH      | AM056FNFDEH      | AM071FNFDEH      |
|------------------------|------------------------------------|-----------------------|-----------------|------------------|------------------|------------------|
| Power Supply           |                                    | Φ, #, V, Hz           |                 | 1,2,220-240,50   | 1,2,220-240,50   | 1,2,220-240,50   |
| Mode                   |                                    |                       |                 | HP/HR            | HP/HR            | HP/HR            |
| Performance            | Capacity (Nominal)                 | Cooling               | kW              | 3.60             | 5.60             | 7.10             |
|                        |                                    |                       | Btu/h           | 12,300           | 19,100           | 24,200           |
|                        |                                    | Heating               | kW              | 4.00             | 6.30             | 8.00             |
|                        |                                    |                       | Btu/h           | 13,600           | 21,500           | 27,300           |
| Power                  | Power Input (Nominal)              | Cooling               | W               | 50.00            | 110.00           | 110.00           |
|                        |                                    | Heating               |                 | 50.00            | 110.00           | 110.00           |
|                        | Current Input (Nominal)            | Cooling               | A               | 0.24             | 0.53             | 0.53             |
|                        |                                    | Heating               |                 | 0.24             | 0.53             | 0.53             |
| Fan                    | Motor                              | Type                  | -               | Sirocco Fan      | Sirocco Fan      | Sirocco Fan      |
|                        |                                    | Output                | W               | -                | -                | -                |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM             | 11.00/-          | 16.50/-          | 19.00/-          |
|                        |                                    |                       | l/s             | 183.33/-         | 275.00/-         | 316.67/-         |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq            | -                | -                | -                |
|                        |                                    |                       | Pa              | -                | -                | -                |
| Piping Connections     | Liquid Pipe                        |                       | Φ, mm           | 6.35             | 6.35             | 9.52             |
|                        |                                    |                       | Φ, inch         | 1/4"             | 1/4"             | 3/8"             |
|                        | Gas Pipe                           |                       | Φ, mm           | 12.70            | 12.70            | 15.88            |
|                        |                                    |                       | Φ, inch         | 1/2"             | 1/2"             | 5/8"             |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | Φ, mm           | ID 18 HOSE       | ID 18 HOSE       | ID 18 HOSE       |
|                        |                                    |                       | mm <sup>2</sup> | 1.5 ~ 2.5        | 1.5 ~ 2.5        | 1.5 ~ 2.5        |
|                        | Transmission Cable                 |                       | mm <sup>2</sup> | 0.75 ~ 1.50      | 0.75 ~ 1.50      | 0.75 ~ 1.50      |
|                        |                                    |                       |                 |                  |                  |                  |
| Refrigerant            | Type                               |                       | -               | R410A            | R410A            | R410A            |
|                        | Control Method                     |                       | -               | EEV INCLUDED     | EEV INCLUDED     | EEV INCLUDED     |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA             | 37.0/32.0/27.0   | 40.0/36.0/32.0   | 40.0/36.0/32.0   |
|                        | Sound Power                        | High / Mid / Low      | dBA             | -                | -                | -                |
| Dimensions             | Net Weight                         |                       | kg              | 23.00            | 28.50            | 28.50            |
|                        | Shipping Weight                    |                       | kg              | 27.00            | 33.30            | 33.30            |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 945 x 600 x 220  | 1225 x 600 x 220 | 1225 x 600 x 220 |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 1035 x 690 x 310 | 1335 x 690 x 310 | 1335 x 690 x 310 |
| Panel Size             | Panel Model                        |                       | -               | -                | -                | -                |
|                        | Panel Net Weight                   |                       | kg              | -                | -                | -                |
|                        | Shipping Weight                    |                       | kg              | -                | -                | -                |
|                        | Net Dimensions (WxHxD)             |                       | mm              | -                | -                | -                |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | -                | -                | -                |
| Additional Accessories | Drain Pump                         | Drain Pump            | -               | -                | -                | -                |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -               | -                | -                | -                |
| Air Filter             |                                    |                       | -               | -                | -                | -                |

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Optional Accessories



| Model                  |                                    |                       |                 | AM050FNKDEH        | AM100FNKDEH        |
|------------------------|------------------------------------|-----------------------|-----------------|--------------------|--------------------|
| Power Supply           |                                    | Φ, #, V, Hz           |                 | 1,2,220-240,50     | 1,2,220-240,50     |
| Mode                   |                                    |                       |                 | HP/HR              | HP/HR              |
| Performance            | Capacity (Nominal)                 | Cooling               | kW              | 5.10               | 10.50              |
|                        |                                    |                       | Btu/h           | 17,400             | 35,800             |
|                        |                                    | Heating               | kW              | 6.50               | 13.20              |
|                        |                                    |                       | Btu/h           | 22,200             | 45,000             |
| Power                  | Power Input (Nominal)              | Cooling               | W               | 220.00             | 510.00             |
|                        |                                    | Heating               |                 | 220.00             | 510.00             |
|                        | Current Input (Nominal)            | Cooling               | A               | 1.70               | 3.70               |
|                        |                                    | Heating               |                 | 1.70               | 3.70               |
| Fan                    | Motor                              | Type                  | -               | Sirocco Fan / BLDC | Sirocco Fan / BLDC |
|                        |                                    | Output                | W               | 60 x 2             | 100 x 2            |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM             | 8.33/-             | 16.67/-            |
|                        |                                    |                       | l/s             | 138.89/-           | 277.78/-           |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq            | 0.00/-/15.00       | 0.00/-/15.00       |
|                        |                                    |                       | Pa              | 0.00/-/147.10      | 0.00/-/147.10      |
| Piping Connections     | Liquid Pipe                        |                       | Φ, mm           | 6.35               | 6.35               |
|                        |                                    |                       | Φ, inch         | 1/4"               | 1/4"               |
|                        | Gas Pipe                           |                       | Φ, mm           | 12.70              | 12.70              |
|                        |                                    |                       | Φ, inch         | 1/2"               | 1/2"               |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | Φ, mm           | VP25 (OD 32,ID 25) | VP25 (OD 32,ID 25) |
|                        |                                    |                       | mm <sup>2</sup> | 1.5 ~ 2.5          | 1.5 ~ 2.5          |
|                        | Transmission Cable                 |                       | mm <sup>2</sup> | 0.75 ~ 1.50        | 0.75 ~ 1.50        |
|                        |                                    |                       |                 |                    |                    |
| Refrigerant            | Type                               |                       | -               | R410A              | R410A              |
|                        | Control Method                     |                       | -               | EEV INCLUDED       | EEV INCLUDED       |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA             | 38.5/-             | 40.5/-             |
|                        | Sound Power                        | High / Mid / Low      | dBA             | -                  | -                  |
| Dimensions             | Net Weight                         |                       | kg              | 61.00              | 90.00              |
|                        | Shipping Weight                    |                       | kg              | 75.20              | 107.50             |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 1553 x 270 x 1000  | 1763 x 340 x 1135  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | 1847 x 349 x 1300  | 2027 x 428 x 1424  |
| Panel Size             | Panel Model                        |                       | -               | -                  | -                  |
|                        | Panel Net Weight                   |                       | kg              | -                  | -                  |
|                        | Shipping Weight                    |                       | kg              | -                  | -                  |
|                        | Net Dimensions (WxHxD)             |                       | mm              | -                  | -                  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | -                  | -                  |
| Additional Accessories | Drain Pump                         | Drain Pump            | -               | -                  | -                  |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -               | -                  | -                  |
| Air Filter             |                                    |                       | -               | -                  | -                  |

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Optional Accessories







### DVM Hydro

- 50°C Hot Water Supply
- Integrated Control System

| Model                  |                             |                                    |                 | ADN160BDEHA     | ADN320BDEHA     | ADN500BDEHA     |
|------------------------|-----------------------------|------------------------------------|-----------------|-----------------|-----------------|-----------------|
| Power Supply           |                             |                                    | Φ, #, V, Hz     | 1,2,220-240,50  | 1,2,220-240,50  | 1,2,220-240,50  |
| Mode                   |                             |                                    | -               | HP/HR           | HP/HR           | HP/HR           |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 14.00           | 28.00           | 44.80           |
|                        |                             |                                    | Btu/h           | 47,800          | 95,500          | 152,900         |
|                        |                             | Heating                            | kW              | 16.00           | 31.00           | 50.40           |
|                        |                             |                                    | Btu/h           | 54,600          | 105,800         | 172,000         |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | -               | -               | -               |
|                        |                             | Heating                            | W               | -               | -               | -               |
|                        | Current Input (Nominal)     | Cooling                            | A               | -               | -               | -               |
|                        |                             | Heating                            | A               | -               | -               | -               |
| Fan                    | Motor                       | Type                               | -               | -               | -               | -               |
|                        |                             | Output                             | W               | -               | -               | -               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | -               | -               | -               |
|                        |                             |                                    | l/s             | -               | -               | -               |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq            | -               | -               | -               |
|                        |                             |                                    | Pa              | -               | -               | -               |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | 9.52            | 9.52            | 12.70           |                 |
|                        |                             | Φ, inch                            | 3/8"            | 3/8"            | 1/2"            |                 |
|                        | Gas Pipe                    | Φ, mm                              | 15.88           | 22.23           | 28.58           |                 |
|                        |                             | Φ, inch                            | 5/8"            | 7/8"            | 1 1/8"          |                 |
| Field Wiring           | Drain Pipe                  | Φ, mm                              | -               | -               | -               |                 |
|                        | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> | -               | -               | -               |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> | -               | -               | -               |
| Refrigerant            | Type                        | -                                  | R410A           | R410A           | R410A           |                 |
|                        | Control Method              | -                                  | EEV INCLUDED    | EEV INCLUDED    | EEV INCLUDED    |                 |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | -               | -               | -               |
|                        | Sound Power                 | High / Mid / Low                   | dBA             | -               | -               | -               |
| Dimensions             | Net Weight                  |                                    | kg              | 33.00           | 35.00           | 45.00           |
|                        | Shipping Weight             |                                    | kg              | 38.00           | 40.00           | 50.00           |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | 518 x 626 x 333 | 518 x 626 x 333 | 518 x 626 x 333 |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 615 x 667 x 380 | 615 x 667 x 380 | 615 x 667 x 380 |
| Panel Size             | Panel Model                 |                                    | -               | -               | -               | -               |
|                        | Panel Net Weight            |                                    | kg              | -               | -               | -               |
|                        | Shipping Weight             |                                    | kg              | -               | -               | -               |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | -               | -               | -               |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | -               | -               | -               |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               | -               | -               | -               |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h    | -               | -               | -               |
|                        | Air Filter                  |                                    | -               | -               | -               | -               |

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#### Optional Accessories

Individual Controllers



MWR-WW00



### Concealed Floor Standing(DVM Plus IV)

- Ideal for installation beneath a window
- Ideal for perimeter refurbishments



| Model                  |                             |                                    |                 | AM036BFDEH       | AM056BFDEH       | AM071BFDEH       |
|------------------------|-----------------------------|------------------------------------|-----------------|------------------|------------------|------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -               | 1,2,220-240,50   | 1,2,220-240,50   | 1,2,220-240,50   |
| Mode                   |                             |                                    | -               | HP/HR            | HP/HR            | HP/HR            |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 3.60             | 5.60             | 7.10             |
|                        |                             |                                    | Btu/h           | 12,300           | 19,100           | 24,200           |
|                        |                             | Heating                            | kW              | 4.00             | 6.30             | 8.00             |
|                        |                             |                                    | Btu/h           | 13,600           | 21,500           | 27,300           |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 50.00            | 110.00           | 110.00           |
|                        |                             | Heating                            |                 | 50.00            | 110.00           | 110.00           |
|                        | Current Input (Nominal)     | Cooling                            |                 | 0.24             | 0.53             | 0.53             |
|                        |                             | Heating                            | A               | 0.24             | 0.53             | 0.53             |
| Fan                    | Motor                       | Type                               | -               | Sirocco Fan      | Sirocco Fan      | Sirocco Fan      |
|                        |                             | Output                             | W               | -                | -                | -                |
|                        | Air Flow Rate               |                                    | CMM             | 11.00/-/-        | 16.50/-/-        | 19.00/-/-        |
|                        |                             |                                    | l/s             | 183.33/-/-       | 275.00/-/-       | 316.67/-/-       |
|                        | External Static Pressure    |                                    | mmAq            | -                | -                | -                |
|                        |                             |                                    | Pa              | -                | -                | -                |
| Piping Connections     | Liquid Pipe                 |                                    | Φ, mm           | 6.35             | 6.35             | 9.52             |
|                        |                             |                                    | Φ, inch         | 1/4"             | 1/4"             | 3/8"             |
|                        | Gas Pipe                    |                                    | Φ, mm           | 12.70            | 12.70            | 15.88            |
|                        |                             |                                    | Φ, inch         | 1/2"             | 1/2"             | 5/8"             |
|                        | Drain Pipe                  |                                    | Φ, mm           | ID 18 HOSE       | ID 18 HOSE       | ID 18 HOSE       |
|                        |                             |                                    |                 |                  |                  |                  |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> | 1.5 ~ 2.5        | 1.5 ~ 2.5        | 1.5 ~ 2.5        |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> | 0.75 ~ 1.50      | 0.75 ~ 1.50      | 0.75 ~ 1.50      |
| Refrigerant            | Type                        |                                    | -               | R410A            | R410A            | R410A            |
|                        | Control Method              |                                    | -               | EEV INCLUDED     | EEV INCLUDED     | EEV INCLUDED     |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 37.0/32.0/27.0   | 40.0/36.0/32.0   | 40.0/36.0/32.0   |
|                        | Sound Power                 | High / Mid / Low                   | dBA             | -                | -                | -                |
| Dimensions             | Net Weight                  |                                    | kg              | 23.00            | 28.50            | 28.50            |
|                        | Shipping Weight             |                                    | kg              | 27.00            | 33.30            | 33.30            |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | 945 x 600 x 220  | 1225 x 600 x 220 | 1225 x 600 x 220 |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 1035 x 690 x 310 | 1335 x 690 x 310 | 1335 x 690 x 310 |
| Panel Size             | Panel Model                 |                                    | -               | -                | -                | -                |
|                        | Panel Net Weight            |                                    | kg              | -                | -                | -                |
|                        | Shipping Weight             |                                    | kg              | -                | -                | -                |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | -                | -                | -                |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | -                | -                | -                |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               | -                | -                | -                |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h    | -                | -                | -                |
|                        | Air Filter                  |                                    | -               | -                | -                | -                |

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#### Optional Accessories

Individual Controllers



MWR-WE10



MR-DH00



MRK-A00



MRW-10A

FREE JOINT MULTI

4kW

5kW

5.2kW



6.8kW

7kW

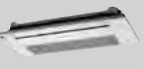
8kW



10kW



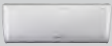
Cassette

| MODEL    |                                                                                                             |  |  |
|----------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPACITY | 1.6                                                                                                         | ●                                                                                   |                                                                                     |
|          | 2.0                                                                                                         | ●                                                                                   |                                                                                     |
|          | 2.6                                                                                                         | ●                                                                                   | ●                                                                                   |
|          | 3.0                                                                                                         |                                                                                     |                                                                                     |
|          | 3.5                                                                                                         | ●                                                                                   | ●                                                                                   |
|          | 5.2                                                                                                         | ●                                                                                   |                                                                                     |
| FEATURES |  Powerful Airflow        | ●                                                                                   | ●                                                                                   |
|          |  Ceiling Dust Prevention | ●                                                                                   | ●                                                                                   |
|          |  High Lift-up Drain Pump | ●                                                                                   | ●                                                                                   |
|          |  Sub Duct               | ●                                                                                   |                                                                                     |
|          |  Fresh Air Intake      | ●                                                                                   |                                                                                     |

Duct

| MODEL    |                                                                                                               |  |  |
|----------|---------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CAPACITY | 2.6                                                                                                           |                                                                                       | ●                                                                                     |
|          | 3.5                                                                                                           |                                                                                       | ●                                                                                     |
|          | 5.2                                                                                                           | ●                                                                                     |                                                                                       |
| FEATURES |  Pre Filter              | ●                                                                                     | ●                                                                                     |
|          |  Easy Filter Cleaning    | ●                                                                                     | ●                                                                                     |
|          |  High Lift-Up Drain Pump | ●                                                                                     | ●                                                                                     |
|          |  Smart Pressure Control  | ●                                                                                     | ●                                                                                     |

Wall-mounted

| MODEL    |                                                                                                      |  |  |  |  |  |  |
|----------|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPACITY | 2.0                                                                                                  |                                                                                   | ●                                                                                 | ●                                                                                 | ●                                                                                  |                                                                                     | ●                                                                                   |
|          | 2.6                                                                                                  | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          | 3.5                                                                                                  | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          | 5.2                                                                                                  | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          | 7.0                                                                                                  |                                                                                   | ●                                                                                 | ●                                                                                 |                                                                                    | ●                                                                                   |                                                                                     |
| FEATURES |  Virus Doctor       | ●                                                                                 |                                                                                   |                                                                                   | ●                                                                                  | ●                                                                                   |                                                                                     |
|          |  Full HD Filter     | ●                                                                                 | ●                                                                                 | ●                                                                                 |                                                                                    | ●                                                                                   |                                                                                     |
|          |  Deodorizing Filter |                                                                                   |                                                                                   |                                                                                   | ●                                                                                  |                                                                                     | ●                                                                                   |
|          |  Catechin Filter    |                                                                                   |                                                                                   |                                                                                   | ●                                                                                  |                                                                                     |                                                                                     |
|          |  Smart Inverter    | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          |  d'light Cool     | ●                                                                                 |                                                                                   |                                                                                   | ●                                                                                  | ●                                                                                   |                                                                                     |
|          |  good'sleep       | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          |  Wide Twin Blade  | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|          |  3D Wind          | ●                                                                                 |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
|          |  Turbo Cooling    | ●                                                                                 | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   |                                                                                     |

Console

| MODEL    |                                                                                                                |  |
|----------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPACITY | 2.6                                                                                                            | ●                                                                                   |
|          | 3.5                                                                                                            | ●                                                                                   |
|          | 5.2                                                                                                            | ●                                                                                   |
| FEATURES |  Virus Doctor               | ●                                                                                   |
|          |  Interior Design            | ●                                                                                   |
|          |  Anti-virus Filter          | ●                                                                                   |
|          |  Lightweight Unit           | ●                                                                                   |
|          |  Flexible Pipe Installation | ●                                                                                   |



Free Joint Multi

- One Outdoor Unit, Multiple Indoor Units
- Universal Indoor Units
- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

| Model Name            |                             |              |        | AJ040FCJ2EH          | AJ050FCJ2EH          | AJ052FCJ3EH          | AJ068FCJ3EH          |
|-----------------------|-----------------------------|--------------|--------|----------------------|----------------------|----------------------|----------------------|
| Power Supply          |                             |              |        | Φ, #, V, Hz          | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                  |                             |              |        | -                    | HEAT PUMP            | HEAT PUMP            | HEAT PUMP            |
| Performance           | HP                          |              | HP     | 1.50                 | 1.80                 | 2.00                 | 2.50                 |
|                       | Capacity (Nominal)          | Cooling      | kW     | 4.00                 | 5.00                 | 5.20                 | 6.80                 |
|                       |                             |              | Btu/h  | 13,600               | 17,100               | 17,700               | 23,200               |
|                       |                             | Heating      | kW     | 4.40                 | 5.70                 | 6.30                 | 8.00                 |
| Btu/h                 |                             |              | 15,000 | 19,400               | 21,500               | 27,300               |                      |
| Power                 | Power Input (Nominal)       | Cooling      | kW     | 1.02                 | 1.32                 | 1.35                 | 2.00                 |
|                       |                             | Heating      |        | 0.99                 | 1.35                 | 1.40                 | 1.91                 |
|                       | Current Input (Nominal)     | Cooling      |        | 4.70                 | 6.00                 | 6.20                 | 9.20                 |
|                       |                             | Heating      | A      | 4.50                 | 6.20                 | 6.40                 | 8.70                 |
|                       | MCA                         |              |        | 9.80 (MCA)           | 11.80 (MCA)          | 12.20 (MCA)          | 15.44 (MCA)          |
|                       | MFA                         | A            |        | 11.25                | 13.75                | 13.75                | 17.50                |
| COP                   | Nominal Cooling             | -            |        | 3.92                 | 3.79                 | 3.85                 | 3.40                 |
|                       | Nominal Heating             | -            |        | 4.44                 | 4.22                 | 4.50                 | 4.19                 |
| Compressor            | Type                        | -            |        | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 | Twin BLDC Rotary x 1 |
|                       | Output                      | kW x n       |        | (4.45)               | (4.45)               | (1.79)               | (1.79)               |
|                       | Model Name                  | -            |        | UG4T150FUDJQSS x 1   | UG4T150FUDJQSS x 1   | UG4T200FUAE4SS x 1   | UG4T200FUAE4SS x 1   |
|                       | Oil                         | Type         | -      | POE                  | POE                  | POE                  | POE                  |
| Fan                   | Initial Charge              | cc           |        | 650                  | 650                  | 650                  | 650                  |
|                       |                             | -            |        | Propeller Fan/BLDC   | Propeller Fan/BLDC   | Propeller Fan/BLDC   | Propeller Fan/BLDC   |
|                       | Type                        | -            |        | 35 x 1               | 35 x 1               | 45 x 1               | 124 x 1              |
|                       | Output x n                  | W            |        | 30                   | 33                   | 38                   | 48                   |
|                       | Air Flow Rate               | CMM          |        | 506.67               | 551.67               | 633.33               | 791.67               |
|                       | External Static Pressure    | Max.         | mmAq   | -                    | -                    | -                    | -                    |
| Pa                    |                             |              | -      | -                    | -                    | -                    |                      |
| Piping Connections    | Liquid Pipe                 | Φ, mm x EA   |        | 6.35 x 2             | 6.35 x 2             | 6.35 x 3             | 6.35 x 3             |
|                       |                             | Φ, inch x EA |        | 1/4" x 2             | 1/4" x 2             | 1/4" x 3             | 1/4" x 3             |
|                       | Gas Pipe                    | Φ, mm x EA   |        | 9.52 x 2             | 9.52 + 12.70         | 9.52 x 2 + 12.70     | 9.52 + 12.70 x 2     |
|                       |                             | Φ, inch x EA |        | 3/8" x 2             | 3/8" + 1/2"          | 3/8" x 2 + 1/2"      | 3/8" + 1/2" x 2      |
|                       | Installation Limitation     | Max. Length  | m      | 20(25)               | 20(25)               | 20(25)               | 20(25)               |
|                       |                             | Max. Height  | m      | 15(15)               | 15(15)               | 15(15)               | 15(15)               |
| Field Wiring          | Power Source Wire           | mm2          |        | 2.5 ~ 2.5            | 2.5 ~ 2.5            | 2.5 ~ 2.5            | 2.5 ~ 2.5            |
|                       | Transmission Cable          | mm2          |        | 0.75 ~ 1.0           | 0.75 ~ 1.0           | 0.75 ~ 1.0           | 0.75 ~ 1.0           |
| Refrigerant           | Type                        | -            |        | R410A                | R410A                | R410A                | R410A                |
|                       | Factory Charging            | kg           |        | 1.30                 | 1.60                 | 2.20                 | 2.20                 |
| Sound                 | Sound Pressure              | dB(A)        |        | 61.0                 | 61.0                 | 61.0                 | 63.0                 |
|                       | Sound Power                 | dB(A)        |        | -                    | -                    | -                    | -                    |
| External Dimension    | Net Weight                  | kg           |        | 37.0                 | 40.0                 | 49.0                 | 57.0                 |
|                       | Shipping Weight             | kg           |        | 40.0                 | 43.0                 | 53.0                 | 61.0                 |
|                       | Net Dimensions (WxHxD)      | mm           |        | 790 x 545 x 285      | 790 x 545 x 285      | 880 x 638 x 310      | 880 x 798 x 310      |
|                       | Shipping Dimensions (WxHxD) | mm           |        | 926 x 599 x 382      | 926 x 599 x 382      | 1,053 x 695 x 413    | 1,023 x 889 x 413    |
| Operating Temp. Range | Cooling                     | °C           |        | -5.0 ~ 46.0          | -5.0 ~ 46.0          | -5.0 ~ 46.0          | -5.0 ~ 46.0          |
|                       | Heating                     | °C           |        | -15.0 ~ 24.0         | -15.0 ~ 24.0         | -15.0 ~ 24.0         | -15.0 ~ 24.0         |

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Free Joint Multi

- One Outdoor Unit, Multiple Indoor Units
- Universal Indoor Units
- Twin BLDC Compressor
- Sine Wave Controller
- Sound Insulator for the Compressor
- Easy Installation

| Model Name            |                             |                |                      | AJ070FCJ4EH          |                      | AJ080FCJ4EH          |                      | AJ100FCJ5EH          |  |
|-----------------------|-----------------------------|----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| Power Supply          |                             |                |                      | Φ, #, V, Hz          |                      | 1,2,220-240,50       |                      | 1,2,220-240,50       |  |
| Mode                  |                             |                |                      | -                    |                      | HEAT PUMP            |                      | HEAT PUMP            |  |
| Performance           | HP                          |                | HP                   | 2.50                 |                      | 3.00                 |                      | 3.50                 |  |
|                       |                             |                | kW                   | 7.00                 |                      | 8.00                 |                      | 10.00                |  |
|                       | Capacity (Nominal)          | Cooling        | Btu/h                | 23,900               |                      | 27,300               |                      | 34,100               |  |
|                       |                             | Heating        | kW                   | 8.60                 |                      | 9.30                 |                      | 12.00                |  |
|                       |                             |                | Btu/h                | 29,300               |                      | 31,700               |                      | 40,900               |  |
| Power                 | Power Input (Nominal)       | Cooling        | kW                   | 1.90                 |                      | 2.30                 |                      | 2.90                 |  |
|                       |                             | Heating        | kW                   | 2.00                 |                      | 2.20                 |                      | 2.93                 |  |
|                       | Current Input (Nominal)     | Cooling        |                      | 8.70                 |                      | 10.50                |                      | 13.30                |  |
|                       |                             | Heating        | A                    | 9.20                 |                      | 10.10                |                      | 13.40                |  |
|                       | MCA                         |                |                      | 18.68 (MCA)          |                      | 18.68 (MCA)          |                      | 26.12 (MCA)          |  |
|                       | MFA                         |                | A                    | 20.75                |                      | 20.75                |                      | 28.75                |  |
| COP                   | Nominal Cooling             |                | -                    | 3.68                 |                      | 3.48                 |                      | 3.45                 |  |
|                       | Nominal Heating             |                | -                    | 4.30                 |                      | 4.23                 |                      | 4.10                 |  |
| Compressor            | Type                        |                | -                    | Twin BLDC Rotary x 1 |                      | Twin BLDC Rotary x 1 |                      | Twin BLDC Rotary x 1 |  |
|                       | Output                      |                | kW x n               | (7.77)               |                      | (7.77)               |                      | (11.37)              |  |
|                       | Model Name                  |                | -                    | G8T260FUAEW-SS x 1   |                      | G8T260FUAEW-SS x 1   |                      | UG8T300FUBJUSG x 1   |  |
|                       | Oil                         | Type           | -                    | POE                  |                      | POE                  |                      | POE                  |  |
|                       |                             | Initial Charge | cc                   | 700                  |                      | 700                  |                      | 1200                 |  |
| Fan                   | Type                        |                | -                    | Propeller Fan/BLDC   |                      | Propeller Fan/BLDC   |                      | Propeller Fan/BLDC   |  |
|                       | Output x n                  |                | W                    | 124 x 1              |                      | 124 x 1              |                      | 150 x 1              |  |
|                       | Air Flow Rate               |                | CMM                  | 46                   |                      | 47                   |                      | 71                   |  |
|                       |                             |                | l/s                  | 770.00               |                      | 781.67               |                      | 1,176.67             |  |
|                       | External Static Pressure    | Max.           | mmAq                 | -                    |                      | -                    |                      | -                    |  |
| Pa                    |                             |                | -                    |                      | -                    |                      | -                    |                      |  |
| Piping Connections    | Liquid Pipe                 | Φ, mm x EA     | 6.35 x 4             |                      | 6.35 x 4             |                      | 6.35 x 5             |                      |  |
|                       |                             | Φ, inch x EA   | 1/4" x 4             |                      | 1/4" x 4             |                      | 1/4" x 5             |                      |  |
|                       | Gas Pipe                    | Φ, mm x EA     | 9.52 x 2 + 12.70 x 2 |                      | 9.52 x 2 + 12.70 x 2 |                      | 9.52 x 2 + 12.70 x 3 |                      |  |
|                       |                             | Φ, inch x EA   | 3/8" x 2 + 1/2" x 2  |                      | 3/8" x 2 + 1/2" x 2  |                      | 3/8" x 2 + 1/2" x 3  |                      |  |
|                       | Installation Limitation     | Max. Length    | m                    | 25(30)               |                      | 25(30)               |                      | 25(30)               |  |
|                       |                             | Max. Height    | m                    | 15(15)               |                      | 15(15)               |                      | 15(15)               |  |
| Field Wiring          | Power Source Wire           |                | mm2                  | 2.5 ~ 2.5            |                      | 2.5 ~ 2.5            |                      | 4.0 ~ 4.0            |  |
|                       | Transmission Cable          |                | mm2                  | 0.75 ~ 1.0           |                      | 0.75 ~ 1.0           |                      | 0.75 ~ 1.0           |  |
| Refrigerant           | Type                        |                | -                    | R410A                |                      | R410A                |                      | R410A                |  |
|                       | Factory Charging            |                | kg                   | 2.80                 |                      | 2.80                 |                      | 3.30                 |  |
| Sound                 | Sound Pressure              |                | dB(A)                | 63.0                 |                      | 63.0                 |                      | 70.0                 |  |
|                       | Sound Power                 |                | dB(A)                | -                    |                      | -                    |                      | -                    |  |
| External Dimension    | Net Weight                  |                | kg                   | 65.0                 |                      | 65.0                 |                      | 74.5                 |  |
|                       | Shipping Weight             |                | kg                   | 70.0                 |                      | 70.0                 |                      | 80.0                 |  |
|                       | Net Dimensions (WxHxD)      |                | mm                   | 880 x 798 x 310      |                      | 880 x 798 x 310      |                      | 940 x 998 x 330      |  |
|                       | Shipping Dimensions (WxHxD) |                | mm                   | 1,023 x 889 x 413    |                      | 1,023 x 889 x 413    |                      | 995 x 1,096 x 426    |  |
| Operating Temp. Range | Cooling                     |                | °C                   | -5.0 ~ 46.0          |                      | -5.0 ~ 46.0          |                      | -10.0 ~ 46.0         |  |
|                       | Heating                     |                | °C                   | -15.0 ~ 24.0         |                      | -15.0 ~ 24.0         |                      | -15.0 ~ 24.0         |  |

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Mini 4Way Cassette S

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water



| Model                  |                             |                                    |                 | AJN016NDEHA          | AJN020NDEHA          | AJN026NDEHA          | AJN035NDEHA          | AJN052NDEHA          |
|------------------------|-----------------------------|------------------------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -               | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                             |                                    | -               | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 1.60                 | 2.00                 | 2.60                 | 3.50                 | 5.20                 |
|                        |                             |                                    | Btu/h           | 5,500                | 6,800                | 8,900                | 11,900               | 17,700               |
|                        |                             | Heating                            | kW              | 2.00                 | 2.20                 | 2.90                 | 3.80                 | 5.60                 |
|                        |                             |                                    | Btu/h           | 6,800                | 7,500                | 9,900                | 13,000               | 19,100               |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 19.00                | 19.00                | 19.00                | 22.00                | 28.00                |
|                        |                             | Heating                            | W               | 19.00                | 19.00                | 19.00                | 22.00                | 28.00                |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.51                 | 0.51                 | 0.51                 | 0.52                 | 0.53                 |
|                        |                             | Heating                            | A               | 0.51                 | 0.51                 | 0.51                 | 0.52                 | 0.53                 |
| Fan                    | Motor                       | Type                               | -               | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            | Turbo Fan            |
|                        |                             | Output                             | W               | 65 x 1               | 65 x 1               | 65 x 1               | 65 x 1               | 65 x 1               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 9.90/8.20/6.90       | 9.90/8.20/6.90       | 9.90/8.20/6.90       | 10.70/9.00/7.40      | 12.40/10.70/9.00     |
|                        |                             |                                    | l/s             | 165.00/136.67/115.00 | 165.00/136.67/115.00 | 165.00/136.67/115.00 | 178.33/150.00/123.33 | 206.67/178.33/150.00 |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq            | -                    | -                    | -                    | -                    | -                    |
|                        |                             |                                    | Pa              | -                    | -                    | -                    | -                    | -                    |
| Piping Connections     | Liquid Pipe                 |                                    | Φ, mm           | 6.35                 | 6.35                 | 6.35                 | 6.35                 | 6.35                 |
|                        |                             |                                    | Φ, inch         | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 |
|                        | Gas Pipe                    |                                    | Φ, mm           | 9.52                 | 9.52                 | 9.52                 | 9.52                 | 12.70                |
|                        |                             |                                    | Φ, inch         | 3/8"                 | 3/8"                 | 3/8"                 | 3/8"                 | 1/2"                 |
|                        | Drain Pipe                  |                                    | Φ, mm           | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   | VP25 (OD 32,ID 25)   |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> | 1                    | 1                    | 1                    | 1                    | 1                    |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> | 0.75 ~ 1             | 0.75 ~ 1             | 0.75 ~ 1             | 0.75 ~ 1             | 0.75 ~ 1             |
| Refrigerant            |                             | Type                               | -               | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        |                             | Control Method                     | -               | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 34.0/29.0/27.0       | 34.0/29.0/27.0       | 34.0/29.0/27.0       | 36.0/32.0/28.0       | 40.0/36.0/33.0       |
|                        | Sound Power                 | High / Mid / Low                   | dBA             | -                    | -                    | -                    | -                    | -                    |
| Dimensions             | Net Weight                  |                                    | kg              | 11.00                | 11.00                | 11.00                | 11.00                | 11.70                |
|                        | Shipping Weight             |                                    | kg              | 13.00                | 13.00                | 13.00                | 13.00                | 13.70                |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      | 575 x 250 x 575      |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      | 623 x 298 x 653      |
| Panel Size             | Panel Model                 |                                    | -               | PC4SUSMB             | PC4SUSMB             | PC4SUSMB             | PC4SUSMB             | PC4SUSMB             |
|                        | Panel Net Weight            |                                    | kg              | 2.70                 | 2.70                 | 2.70                 | 2.70                 | 2.70                 |
|                        | Shipping Weight             |                                    | kg              | 4.20                 | 4.20                 | 4.20                 | 4.20                 | 4.20                 |
|                        | Net Dimensions (WxHxD)      |                                    | mm              | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       | 670 x 45 x 670       |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      | 714 x 106 x 724      |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               | -                    | -                    | -                    | -                    | -                    |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h    | -                    | -                    | -                    | -                    | -                    |
|                        |                             | Air Filter                         | -               | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Panel



PC4SUSMB



PC4SUSMF

Slim 1Way Cassette



- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



| Model                  |                             |                                    |                    | MH026FSEA          | MH035FSEA           |
|------------------------|-----------------------------|------------------------------------|--------------------|--------------------|---------------------|
| Power Supply           |                             | Φ, #, V, Hz                        |                    | 1,2,220-240,50     | 1,2,220-240,50      |
| Mode                   |                             |                                    |                    | HP/HR              | HP/HR               |
| Performance            | Capacity (Nominal)          | Cooling                            | kW                 | 2.60               | 3.50                |
|                        |                             |                                    | Btu/h              | 8,900              | 11,900              |
|                        |                             | Heating                            | kW                 | 2.90               | 3.80                |
|                        |                             |                                    | Btu/h              | 9,900              | 13,000              |
| Power                  | Power Input (Nominal)       | Cooling                            | W                  | 45.00              | 50.00               |
|                        |                             | Heating                            |                    | 45.00              | 50.00               |
|                        | Current Input (Nominal)     | Cooling                            | A                  | 0.23               | 0.25                |
|                        |                             | Heating                            |                    | 0.23               | 0.25                |
| Fan                    | Motor                       | Type                               | -                  | Crossflow Fan      | Crossflow Fan       |
|                        |                             | Output                             | W                  | 80 x 1             | 80 x 1              |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM                | 6.20/5.20/4.20     | 7.60/6.60/5.60      |
|                        |                             |                                    | l/s                | 103.33/86.67/70.00 | 126.67/110.00/93.33 |
|                        | External Static Pressure    | Min. / Std. / Max.                 | mmAq               | -                  | -                   |
|                        |                             |                                    | Pa                 | -                  | -                   |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | 6.35               | 6.35               |                     |
|                        |                             | Φ, inch                            | 1/4"               | 1/4"               |                     |
|                        | Gas Pipe                    | Φ, mm                              | 9.52               | 9.52               |                     |
|                        |                             | Φ, inch                            | 3/8"               | 3/8"               |                     |
| Field Wiring           | Drain Pipe                  | Φ, mm                              | VP20 (OD 26,ID 20) | VP20 (OD 26,ID 20) |                     |
|                        | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup>    | 1.5 ~ 2.5          | 1.5 ~ 2.5           |
|                        | Transmission Cable          |                                    | mm <sup>2</sup>    | 0.75 ~ 1.50        | 0.75 ~ 1.50         |
| Refrigerant            | Type                        |                                    | -                  | R410A              | R410A               |
|                        | Control Method              |                                    | -                  | EEV NOT INCLUDED   | EEV NOT INCLUDED    |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA                | 30.0/28.0/25.0     | 32.0/30.0/27.0      |
|                        | Sound Power                 | High / Mid / Low                   | dBA                | -                  | -                   |
| Dimensions             | Net Weight                  |                                    | kg                 | 11.00              | 11.00               |
|                        | Shipping Weight             |                                    | kg                 | 14.00              | 14.00               |
|                        | Net Dimensions (WxHxD)      |                                    | mm                 | 970 x 135 x 410    | 970 x 135 x 410     |
|                        | Shipping Dimensions (WxHxD) |                                    | mm                 | 1164 x 212 x 478   | 1164 x 212 x 478    |
| Panel Size             | Panel Model                 |                                    | -                  | PSSMA              | PSSMA               |
|                        | Panel Net Weight            |                                    | kg                 | 3.10               | 3.10                |
|                        | Shipping Weight             |                                    | kg                 | 4.50               | 4.50                |
|                        | Net Dimensions (WxHxD)      |                                    | mm                 | 1180 x 25 x 460    | 1180 x 25 x 460     |
|                        | Shipping Dimensions (WxHxD) |                                    | mm                 | 1259 x 144 x 539   | 1259 x 144 x 539    |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -                  | -                  | -                   |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h       | -                  | -                   |
|                        | Air Filter                  |                                    | -                  | -                  | -                   |

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Optional Accessories

Individual Controllers

MWR-WE10

MWR-WH00

MWR-SH00

MR-DH00

Panel

PSSMA

PC1NUPMA

MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



|                        |                             |                                    |                  |
|------------------------|-----------------------------|------------------------------------|------------------|
| Model                  |                             | MH052FUEA                          |                  |
| Power Supply           |                             | Φ, #, V, Hz                        | 1,2,220-240,50   |
| Mode                   |                             | -                                  | HP/HR            |
| Performance            | Capacity (Nominal)          | Cooling                            | kW               |
|                        |                             |                                    | Btu/h            |
|                        |                             | Heating                            | kW               |
|                        |                             |                                    | Btu/h            |
| Power                  | Power Input (Nominal)       | Cooling                            | W                |
|                        |                             | Heating                            | W                |
|                        | Current Input (Nominal)     | Cooling                            | A                |
|                        |                             | Heating                            | A                |
| Fan                    | Motor                       | Type                               | -                |
|                        |                             | Output                             | W                |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM              |
|                        |                             |                                    | l/s              |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | 6.35             |
|                        |                             | Φ, inch                            | 1/4"             |
|                        | Gas Pipe                    | Φ, mm                              | 12.70            |
|                        |                             | Φ, inch                            | 1/2"             |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup>  |
|                        |                             |                                    | mm <sup>2</sup>  |
|                        | Transmission Cable          |                                    | mm <sup>2</sup>  |
|                        |                             |                                    | mm <sup>2</sup>  |
| Refrigerant            | Type                        |                                    | -                |
|                        |                             |                                    | R410A            |
|                        | Control Method              |                                    | -                |
|                        |                             |                                    | EEV NOT INCLUDED |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA              |
|                        |                             |                                    | dBA              |
|                        | Sound Power                 | High / Mid / Low                   | dBA              |
|                        |                             |                                    | dBA              |
| Dimensions             | Net Weight                  |                                    | kg               |
|                        |                             |                                    | kg               |
|                        | Shipping Weight             |                                    | kg               |
|                        |                             |                                    | kg               |
| Panel Size             | Net Dimensions (WxHxD)      |                                    | mm               |
|                        |                             |                                    | mm               |
|                        | Shipping Dimensions (WxHxD) |                                    | mm               |
|                        |                             |                                    | mm               |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -                |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h     |
|                        | Air Filter                  |                                    | -                |
|                        |                             |                                    | -                |

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Optional Accessories



Standard Accessories



Slim Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



|                        |                             |                                    |                 |                      |  |
|------------------------|-----------------------------|------------------------------------|-----------------|----------------------|--|
| Model                  |                             | NJ026LHXEA                         |                 | NJ035LHXEA           |  |
| Power Supply           |                             | Φ, #, V, Hz                        | 1,2,220-240,50  | 1,2,220-240,50       |  |
| Mode                   |                             | -                                  | HP/HR           | HP/HR                |  |
| Performance            | Capacity (Nominal)          | Cooling                            | kW              | 2.60                 |  |
|                        |                             |                                    | Btu/h           | 8,900                |  |
|                        |                             | Heating                            | kW              | 2.90                 |  |
|                        |                             |                                    | Btu/h           | 9,900                |  |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 80.00                |  |
|                        |                             | Heating                            | W               | 80.00                |  |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.40                 |  |
|                        |                             | Heating                            | A               | 0.40                 |  |
| Fan                    | Motor                       | Type                               | -               | Sirocco Fan          |  |
|                        |                             | Output                             | W               | 80 x 1               |  |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 8.60/7.60/6.60       |  |
|                        |                             |                                    | l/s             | 143.33/126.67/110.00 |  |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | 6.35            | 6.35                 |  |
|                        |                             | Φ, inch                            | 1/4"            | 1/4"                 |  |
|                        | Gas Pipe                    | Φ, mm                              | 9.52            | 9.52                 |  |
|                        |                             | Φ, inch                            | 3/8"            | 3/8"                 |  |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> | 1.5 ~ 2.5            |  |
|                        |                             |                                    | mm <sup>2</sup> | 0.75 ~ 1.50          |  |
|                        | Transmission Cable          |                                    | mm <sup>2</sup> | 0.75 ~ 1.50          |  |
|                        |                             |                                    | mm <sup>2</sup> | 0.75 ~ 1.50          |  |
| Refrigerant            | Type                        |                                    | -               | R410A                |  |
|                        |                             |                                    | -               | R410A                |  |
|                        | Control Method              |                                    | -               | EEV NOT INCLUDED     |  |
|                        |                             |                                    | -               | EEV NOT INCLUDED     |  |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 30.0/28.0/25.0       |  |
|                        |                             |                                    | dBA             | 30.0/28.0/25.0       |  |
|                        | Sound Power                 | High / Mid / Low                   | dBA             | -                    |  |
|                        |                             |                                    | dBA             | -                    |  |
| Dimensions             | Net Weight                  |                                    | kg              | 26.00                |  |
|                        |                             |                                    | kg              | 26.00                |  |
|                        | Shipping Weight             |                                    | kg              | 31.00                |  |
|                        |                             |                                    | kg              | 31.00                |  |
| Panel Size             | Net Dimensions (WxHxD)      |                                    | mm              | 900 x 199 x 600      |  |
|                        |                             |                                    | mm              | 900 x 199 x 600      |  |
|                        | Shipping Dimensions (WxHxD) |                                    | mm              | 1133 x 330 x 730     |  |
|                        |                             |                                    | mm              | 1133 x 330 x 730     |  |
| Additional Accessories | Drain Pump                  | Drain Pump                         | -               | MDP-E075SEE3         |  |
|                        |                             | Max. Lifting Height / Displacement | mm / liter/h    | -                    |  |
|                        | Air Filter                  |                                    | -               | -                    |  |
|                        |                             |                                    | -               | -                    |  |

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Optional Accessories



Standard Accessories



Y Series (Jungfrau Premium)



- Virus Doctor
  - Smart Inverter
  - good' sleep
  - Wide Twin Blade
- Full HD Filter
  - d'light cool
  - 3D Wind
  - Turbo Cooling
- Wifi



| Model                  |                             |                                    |                      | AR09FSSYAWTNEU            |  |  |  | AR12FSSYAWTNEU            |  |  |  | AR18FSSYAWTNEU            |  |  |  |
|------------------------|-----------------------------|------------------------------------|----------------------|---------------------------|--|--|--|---------------------------|--|--|--|---------------------------|--|--|--|
| Power Supply           |                             |                                    |                      | Φ, #, V, Hz               |  |  |  | 1,2,220-240,50            |  |  |  | 1,2,220-240,50            |  |  |  |
| Mode                   |                             |                                    |                      | -                         |  |  |  | HP/HR                     |  |  |  | HP/HR                     |  |  |  |
| Performance            | Capacity (Nominal)          | Cooling                            | kW                   | 2.50                      |  |  |  | 3.50                      |  |  |  | 5.00                      |  |  |  |
|                        |                             |                                    | Btu/h                | 8,500                     |  |  |  | 11,900                    |  |  |  | 17,100                    |  |  |  |
|                        |                             | Heating                            | kW                   | 3.20                      |  |  |  | 4.00                      |  |  |  | 6.00                      |  |  |  |
|                        |                             |                                    | Btu/h                | 10,900                    |  |  |  | 13,600                    |  |  |  | 20,500                    |  |  |  |
| Power                  | Power Input (Nominal)       | Cooling                            | W                    | 50.00                     |  |  |  | 50.00                     |  |  |  | 50.00                     |  |  |  |
|                        |                             | Heating                            | W                    | 50.00                     |  |  |  | 50.00                     |  |  |  | 50.00                     |  |  |  |
|                        | Current Input (Nominal)     | Cooling                            | A                    | 0.40                      |  |  |  | 0.40                      |  |  |  | 0.40                      |  |  |  |
|                        |                             | Heating                            | A                    | 0.40                      |  |  |  | 0.40                      |  |  |  | 0.40                      |  |  |  |
| Fan                    | Motor                       | Type                               | -                    | Crossflow Fan             |  |  |  | Crossflow Fan             |  |  |  | Crossflow Fan             |  |  |  |
|                        |                             | Output                             | W                    | 27 x 1                    |  |  |  | 27 x 1                    |  |  |  | 27 x 1                    |  |  |  |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM                  | 11.60/10.30/9.00          |  |  |  | 13.80/11.40/9.00          |  |  |  | 14.50/12.80/11.00         |  |  |  |
|                        |                             | High / Mid / Low (UL)              | l/s                  | 193.33/171.67/150.00      |  |  |  | 230.00/190.00/150.00      |  |  |  | 241.67/213.33/183.33      |  |  |  |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | mm                   | 6.35                      |  |  |  | 6.35                      |  |  |  | 6.35                      |  |  |  |
|                        |                             | Φ, inch                            | inch                 | 1/4"                      |  |  |  | 1/4"                      |  |  |  | 1/4"                      |  |  |  |
|                        | Gas Pipe                    | Φ, mm                              | mm                   | 9.52                      |  |  |  | 9.52                      |  |  |  | 12.70                     |  |  |  |
|                        |                             | Φ, inch                            | inch                 | 3/8"                      |  |  |  | 3/8"                      |  |  |  | 1/2"                      |  |  |  |
| Field Wiring           | Drain Pipe                  | Φ, mm                              | mm                   | VP18 (OD 19,ID 16)        |  |  |  | VP18 (OD 19,ID 16)        |  |  |  | VP18 (OD 19,ID 16)        |  |  |  |
|                        |                             | Power Source Wire                  | Below 20m / Over 20m | mm <sup>2</sup> 1.5 ~ 2.5 |  |  |  | mm <sup>2</sup> 1.5 ~ 2.5 |  |  |  | mm <sup>2</sup> 1.5 ~ 2.5 |  |  |  |
|                        | Transmission Cable          | mm <sup>2</sup>                    | mm <sup>2</sup>      | 0.75 ~ 1.5                |  |  |  | 0.75 ~ 1.5                |  |  |  | 0.75 ~ 1.5                |  |  |  |
|                        |                             | Type                               | -                    | R410A                     |  |  |  | R410A                     |  |  |  | R410A                     |  |  |  |
| Refrigerant            | Control Method              | -                                  | -                    | EEV NOT INCLUDED          |  |  |  | EEV NOT INCLUDED          |  |  |  | EEV NOT INCLUDED          |  |  |  |
|                        |                             | Sound Pressure                     | High / Mid / Low     | dBA 39.0/30.0/21.0        |  |  |  | dBA 41.0/31.0/21.0        |  |  |  | dBA 44.0/35.0/26.0        |  |  |  |
|                        | Sound Power                 | High / Mid / Low                   | dBA                  | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
|                        |                             | Net Weight                         | kg                   | 10.50                     |  |  |  | 10.50                     |  |  |  | 11.20                     |  |  |  |
| Dimensions             | Shipping Weight             | kg                                 | kg                   | 13.00                     |  |  |  | 13.00                     |  |  |  | 14.00                     |  |  |  |
|                        |                             | Net Dimensions (WxHxD)             | mm                   | 880 x 313 x 237           |  |  |  | 880 x 313 x 237           |  |  |  | 880 x 313 x 237           |  |  |  |
|                        | Shipping Dimensions (WxHxD) | mm                                 | mm                   | 954 x 381 x 317           |  |  |  | 954 x 381 x 317           |  |  |  | 954 x 381 x 317           |  |  |  |
|                        |                             | Panel Model                        | -                    | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
| Panel Size             | Panel Net Weight            | kg                                 | kg                   | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
|                        |                             | Shipping Weight                    | kg                   | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
|                        | Net Dimensions (WxHxD)      | mm                                 | mm                   | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
|                        |                             | Shipping Dimensions (WxHxD)        | mm                   | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
| Additional Accessories | Drain Pump                  | Max. Lifting Height / Displacement | mm / liter/h         | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |
|                        |                             | Air Filter                         | -                    | -                         |  |  |  | -                         |  |  |  | -                         |  |  |  |

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Optional Accessories

Individual Controllers

MWR-WE10

MWR-WH00

MWR-SH00

MR-DH00

MIM-A00

Standard Accessories

Wireless Remote Controller





P Series (Maldives)

- Full HD Filter
- Smart Saver
- Turbo Cooling
- Smart Inverter



| Model                  |                             |                                    |                 | AR07FSFPDGMNEU       | AR09FSFPK(D)GMNET    | AR12FSFPK(D)GMNET    | AR18FSFPDGMNEU       | AR24FSFPDGMNEU       |
|------------------------|-----------------------------|------------------------------------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                             | Φ, #, V, Hz                        | -               | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Performance            | Capacity (Nominal)          | Cooling                            | HP/HR           | 2.00                 | 2.50                 | 3.50                 | 5.00                 | 6.80                 |
|                        |                             |                                    | kW              | 6,800                | 8,500                | 11,900               | 17,100               | 23,200               |
|                        |                             | Heating                            | Btu/h           | 2.20                 | 3.30                 | 4.00                 | 6.00                 | 7.80                 |
|                        |                             |                                    | kW              | 7,500                | 11,300               | 13,600               | 20,500               | 26,600               |
| Power                  | Power Input (Nominal)       | Cooling                            | W               | 30.00                | 35.00                | 40.00                | 35.00                | 53.00                |
|                        |                             | Heating                            | W               | 30.00                | 35.00                | 40.00                | 35.00                | 53.00                |
|                        | Current Input (Nominal)     | Cooling                            | A               | 0.18                 | 0.19                 | 0.20                 | 0.30                 | 0.46                 |
|                        |                             | Heating                            | A               | 0.18                 | 0.19                 | 0.20                 | 0.30                 | 0.46                 |
| Fan                    | Motor                       | Type                               | -               | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        |
|                        |                             | Output                             | W               | 23 x 1               | 23 x 1               | 23 x 1               | 27 x 1               | 27 x 1               |
|                        | Air Flow Rate               | High / Mid / Low (UL)              | CMM             | 7.90/7.00/6.10       | 9.40/8.70/7.90       | 10.10/9.00/7.90      | 14.20/12.30/11.20    | 17.80/14.30/10.60    |
|                        |                             | l/s                                | mmAq            | 131.67/116.67/101.67 | 156.67/145.00/131.67 | 168.33/150.00/131.67 | 236.67/205.00/186.67 | 296.67/238.33/176.67 |
| Piping Connections     | Liquid Pipe                 | Φ, mm                              | Pa              | -                    | -                    | -                    | -                    | -                    |
|                        |                             | Φ, inch                            | Pa              | -                    | -                    | -                    | -                    | -                    |
|                        | Gas Pipe                    | Φ, mm                              | Pa              | -                    | -                    | -                    | -                    | -                    |
|                        |                             | Φ, inch                            | Pa              | -                    | -                    | -                    | -                    | -                    |
| Field Wiring           | Power Source Wire           | Below 20m / Over 20m               | mm <sup>2</sup> | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   |
|                        |                             | mm <sup>2</sup>                    | mm <sup>2</sup> | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Transmission Cable          | mm <sup>2</sup>                    | mm <sup>2</sup> | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           |
|                        |                             | mm <sup>2</sup>                    | mm <sup>2</sup> | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           |
| Refrigerant            | Type                        | -                                  | -               | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        |                             | -                                  | -               | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
|                        | Control Method              | -                                  | -               | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
|                        |                             | -                                  | -               | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
| Sound                  | Sound Pressure              | High / Mid / Low                   | dBA             | 36.0/29.0/21.0       | 37.0/-/25.0          | 38.0/-/25.0          | 39.0/-/26.0          | 44.0/-/28.0          |
|                        |                             | dBA                                | dBA             | -                    | -                    | -                    | -                    | -                    |
|                        | Sound Power                 | High / Mid / Low                   | kg              | 9.00                 | 9.00                 | 9.00                 | 13.00                | 13.00                |
|                        |                             | kg                                 | kg              | 11.00                | 11.00                | 11.00                | 16.00                | 16.00                |
| Dimensions             | Net Dimensions (WxHxD)      | mm                                 | mm              | 820 x 286 x 205      | 820 x 285 x 205      | 820 x 285 x 205      | 1065 x 298 x 230     | 1065 x 298 x 230     |
|                        |                             | mm                                 | mm              | 892 x 355 x 263      | 892 x 355 x 263      | 892 x 355 x 263      | 1137 x 377 x 299     | 1137 x 377 x 299     |
|                        | Shipping Dimensions (WxHxD) | mm                                 | mm              | -                    | -                    | -                    | -                    | -                    |
|                        |                             | mm                                 | mm              | -                    | -                    | -                    | -                    | -                    |
| Panel Size             | Panel Model                 | -                                  | kg              | -                    | -                    | -                    | -                    | -                    |
|                        |                             | -                                  | kg              | -                    | -                    | -                    | -                    | -                    |
|                        | Shipping Weight             | -                                  | kg              | -                    | -                    | -                    | -                    | -                    |
|                        |                             | -                                  | kg              | -                    | -                    | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                  | Max. Lifting Height / Displacement | mm / liter/h    | -                    | -                    | -                    | -                    | -                    |
|                        |                             | mm / liter/h                       | mm / liter/h    | -                    | -                    | -                    | -                    | -                    |
|                        | Air Filter                  | -                                  | -               | -                    | -                    | -                    | -                    | -                    |
|                        |                             | -                                  | -               | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories

Standard Accessories

Individual Controllers



MWR-WE10MWR-WH00MWR-SH00MR-DH00MIM-A00

Wireless Remote Controller





P Plus Series

- Full HD Filter
- Smart Saver
- Turbo Cooling
- Smart Inverter



| Model                  |                                    |                       |                    | AR07FSFPESNNEU       | AR09FSFPESNNEU       | AR12FSFPESNNEU       | AR18FSFPESNNEU       | AR24FSFPESNNEU       |
|------------------------|------------------------------------|-----------------------|--------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Power Supply           |                                    | Φ, #, V, Hz           |                    | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                                    | -                     |                    | HP/HR                | HP/HR                | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)                 | Cooling               | kW                 | 2.00                 | 2.50                 | 3.50                 | 5.00                 | 6.80                 |
|                        |                                    |                       | Btu/h              | 6,800                | 8,500                | 11,900               | 17,100               | 23,200               |
|                        |                                    | Heating               | kW                 | 2.20                 | 3.30                 | 4.00                 | 6.00                 | 7.80                 |
|                        |                                    |                       | Btu/h              | 7,500                | 11,300               | 13,600               | 20,500               | 26,600               |
| Power                  | Power Input (Nominal)              | Cooling               | W                  | 30.00                | 35.00                | 40.00                | 35.00                | 53.00                |
|                        |                                    | Heating               | W                  | 30.00                | 35.00                | 40.00                | 35.00                | 53.00                |
|                        | Current Input (Nominal)            | Cooling               | A                  | 0.18                 | 0.19                 | 0.20                 | 0.30                 | 0.46                 |
|                        |                                    | Heating               | A                  | 0.18                 | 0.19                 | 0.20                 | 0.30                 | 0.46                 |
| Fan                    | Motor                              | Type                  | -                  | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        |
|                        |                                    | Output                | W                  | 23 x 1               | 23 x 1               | 23 x 1               | 27 x 1               | 27 x 1               |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM                | 7.90/7.00/6.10       | 9.40/8.70/7.90       | 10.10/9.00/7.90      | 14.20/12.30/11.20    | 17.80/14.30/10.60    |
|                        |                                    |                       | l/s                | 131.67/116.67/101.67 | 156.67/145.00/131.67 | 168.33/150.00/131.67 | 236.67/205.00/186.67 | 296.67/238.33/176.67 |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq               | -                    | -                    | -                    | -                    | -                    |
|                        |                                    |                       | Pa                 | -                    | -                    | -                    | -                    | -                    |
| Piping Connections     | Liquid Pipe                        | Φ, mm                 | 6.35               | 6.35                 | 6.35                 | 6.35                 | 6.35                 |                      |
|                        |                                    | Φ, inch               | 1/4"               | 1/4"                 | 1/4"                 | 1/4"                 | 1/4"                 |                      |
|                        | Gas Pipe                           | Φ, mm                 | 9.52               | 9.52                 | 9.52                 | 12.70                | 15.88                |                      |
|                        |                                    | Φ, inch               | 3/8"               | 3/8"                 | 3/8"                 | 1/2"                 | 5/8"                 |                      |
|                        | Drain Pipe                         | Φ, mm                 | VP18 (OD 19,ID 16) | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   |                      |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup>    | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Transmission Cable                 |                       | mm <sup>2</sup>    | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           | 0.75 ~ 1.5           |
| Refrigerant            | Type                               |                       | -                  | R410A                | R410A                | R410A                | R410A                | R410A                |
|                        | Control Method                     |                       | -                  | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA                | 36.0/29.0/21.0       | 36.0/-/25.0          | 38.0/-/25.0          | 39.0/-/26.0          | 44.0/-/28.0          |
|                        | Sound Power                        | High / Mid / Low      | dBA                | -                    | -                    | -                    | -                    | -                    |
| Dimensions             | Net Weight                         |                       | kg                 | 9.00                 | 9.00                 | 9.00                 | 13.00                | 13.00                |
|                        | Shipping Weight                    |                       | kg                 | 11.00                | 11.00                | 11.00                | 16.00                | 16.00                |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | 820 x 285 x 205      | 820 x 285 x 205      | 820 x 285 x 205      | 1065 x 298 x 230     | 1065 x 298 x 230     |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | 892 x 355 x 263      | 892 x 355 x 263      | 892 x 355 x 263      | 1137 x 377 x 299     | 1137 x 377 x 299     |
| Panel Size             | Panel Model                        |                       | -                  | -                    | -                    | -                    | -                    | -                    |
|                        | Panel Net Weight                   |                       | kg                 | -                    | -                    | -                    | -                    | -                    |
|                        | Shipping Weight                    |                       | kg                 | -                    | -                    | -                    | -                    | -                    |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | -                    | -                    | -                    | -                    | -                    |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | -                    | -                    | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                         | Drain Pump            | -                  | -                    | -                    | -                    | -                    | -                    |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -                  | -                    | -                    | -                    | -                    | -                    |
|                        | Air Filter                         |                       | -                  | -                    | -                    | -                    | -                    | -                    |

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Optional Accessories

Individual Controllers

MWR-WE10MWR-WH00MWR-SH00MR-DH00MIM-A00

Standard Accessories

Wireless Remote Controller

Crystal



- Catechin Filter
- good'sleep
- Filter Cleaning Indicator
- Smart Inverter
- Turbo Cooling
- Deodorizing Filter



| Model                  |                                    |                       |                    | MH020FAEA           | MH026FAEA            | MH035FAEA            | MH052FAEA            |
|------------------------|------------------------------------|-----------------------|--------------------|---------------------|----------------------|----------------------|----------------------|
| Power Supply           |                                    | Φ, #, V, Hz           |                    | 1,2,220-240,50      | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       |
| Mode                   |                                    |                       | -                  | HP/HR               | HP/HR                | HP/HR                | HP/HR                |
| Performance            | Capacity (Nominal)                 | Cooling               | kW                 | 2.00                | 2.60                 | 3.50                 | 5.20                 |
|                        |                                    |                       | Btu/h              | 6,800               | 8,900                | 11,900               | 17,700               |
|                        |                                    | Heating               | kW                 | 2.20                | 2.90                 | 3.80                 | 5.60                 |
|                        |                                    |                       | Btu/h              | 7,500               | 9,900                | 13,000               | 19,100               |
| Power                  | Power Input (Nominal)              | Cooling               | W                  | 30.00               | 30.00                | 35.00                | 50.00                |
|                        |                                    | Heating               |                    | 30.00               | 30.00                | 35.00                | 50.00                |
|                        | Current Input (Nominal)            | Cooling               | A                  | 0.18                | 0.18                 | 0.19                 | 0.30                 |
|                        |                                    | Heating               |                    | 0.18                | 0.18                 | 0.19                 | 0.30                 |
| Fan                    | Motor                              | Type                  | -                  | Crossflow Fan       | Crossflow Fan        | Crossflow Fan        | Crossflow Fan        |
|                        |                                    | Output                | W                  | 23 x 1              | 23 x 1               | 23 x 1               | 40 x 1               |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM                | 7.90/6.90/5.90      | 9.10/8.10/7.10       | 9.80/8.80/7.80       | 14.20/12.50/10.70    |
|                        |                                    |                       | l/s                | 131.67/115.00/98.33 | 151.67/135.00/118.33 | 163.33/146.67/130.00 | 236.67/208.33/178.33 |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq               | -                   | -                    | -                    | -                    |
| Piping Connections     | Liquid Pipe                        | Φ, mm                 | 6.35               | 6.35                | 6.35                 | 6.35                 |                      |
|                        |                                    | Φ, inch               | 1/4"               | 1/4"                | 1/4"                 | 1/4"                 |                      |
|                        | Gas Pipe                           | Φ, mm                 | 9.52               | 9.52                | 9.52                 | 12.70                |                      |
|                        |                                    | Φ, inch               | 3/8"               | 3/8"                | 3/8"                 | 1/2"                 |                      |
|                        | Drain Pipe                         | Φ, mm                 | VP18 (OD 19,ID 16) | VP18 (OD 19,ID 16)  | VP18 (OD 19,ID 16)   | VP18 (OD 19,ID 16)   |                      |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup>    | 1.5 ~ 2.5           | 1.5 ~ 2.5            | 1.5 ~ 2.5            | 1.5 ~ 2.5            |
|                        | Transmission Cable                 |                       | mm <sup>2</sup>    | 0.75 ~ 1.50         | 0.75 ~ 1.50          | 0.75 ~ 1.50          | 0.75 ~ 1.50          |
| Refrigerant            | Type                               |                       | -                  | R410A               | R410A                | R410A                | R410A                |
|                        | Control Method                     |                       | -                  | EEV NOT INCLUDED    | EEV NOT INCLUDED     | EEV NOT INCLUDED     | EEV NOT INCLUDED     |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA                | 31.0/26.0/21.0      | 31.0/26.0/21.0       | 35.0/28.0/21.0       | 40.0/35.0/30.0       |
|                        | Sound Power                        | High / Mid / Low      | dBA                | -                   | -                    | -                    | -                    |
| Dimensions             | Net Weight                         |                       | kg                 | 9.00                | 9.00                 | 9.00                 | 13.00                |
|                        | Shipping Weight                    |                       | kg                 | 11.00               | 11.00                | 11.00                | 16.00                |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | 820 x 286 x 190     | 820 x 286 x 190      | 820 x 286 x 190      | 1099 x 315 x 217     |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | 892 x 355 x 263     | 892 x 355 x 263      | 892 x 355 x 263      | 1137 x 377 x 399     |
| Panel Size             | Panel Model                        |                       | -                  | -                   | -                    | -                    | -                    |
|                        | Panel Net Weight                   |                       | kg                 | -                   | -                    | -                    | -                    |
|                        | Shipping Weight                    |                       | kg                 | -                   | -                    | -                    | -                    |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | -                   | -                    | -                    | -                    |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | -                   | -                    | -                    | -                    |
| Additional Accessories | Drain Pump                         | Drain Pump            | -                  | -                   | -                    | -                    | -                    |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | -                  | -                   | -                    | -                    | -                    |
| Air Filter             |                                    |                       | -                  | -                   | -                    | -                    | -                    |

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Optional Accessories

Individual Controllers

MWR-WE10

MWR-WH00

MWR-SH00

MR-DH00

Standard Accessories

Wireless Remote Controller

New Crystal



- good'sleep
- Filter Cleaning Indicator
- Full HD Filter
- Smart Inverter
- Turbo Cooling
- Wifi



Virus Doctor



Full HD Filter



Smart Inverter



d'light Cool



good'sleep



Turbo Cooling



Wi-Fi

| Model                  |                                    |                       |                 | AR09FSSSEDWUNEU    |  |                    |  | AR12FSSSEDWUNEU    |  |                    |  | AR18FSSSEDWUNEU    |  |                    |  | AR24FSSSEDWUNEU    |  |                    |  |
|------------------------|------------------------------------|-----------------------|-----------------|--------------------|--|--------------------|--|--------------------|--|--------------------|--|--------------------|--|--------------------|--|--------------------|--|--------------------|--|
| Power Supply           |                                    | Φ, #, V, Hz           |                 | 1,2,220-240,50     |  | 1,2,220-240,50     |  | 1,2,220-240,50     |  | 1,2,220-240,50     |  | 1,2,220-240,50     |  | 1,2,220-240,50     |  | 1,2,220-240,50     |  | 1,2,220-240,50     |  |
| Mode                   |                                    | -                     |                 | HP/HR              |  | HP/HR              |  | HP/HR              |  | HP/HR              |  | HP/HR              |  | HP/HR              |  | HP/HR              |  | HP/HR              |  |
| Performance            | Capacity (Nominal)                 | Cooling               | kW              | 2.50               |  | 3.50               |  | 5.00               |  | 6.80               |  | 9.00               |  | 12.50              |  | 17.00              |  | 23.00              |  |
|                        |                                    |                       | Btu/h           | 8,500              |  | 11,900             |  | 17,100             |  | 23,200             |  | 30,800             |  | 41,900             |  | 57,900             |  | 78,200             |  |
|                        |                                    | Heating               | kW              | 3.20               |  | 4.00               |  | 6.00               |  | 7.80               |  | 10.50              |  | 14.00              |  | 18.50              |  | 25.50              |  |
|                        |                                    |                       | Btu/h           | 10,900             |  | 13,600             |  | 20,500             |  | 26,600             |  | 35,800             |  | 48,400             |  | 63,800             |  | 87,200             |  |
| Power                  | Power Input (Nominal)              | Cooling               | W               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        |                                    | Heating               | W               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Current Input (Nominal)            | Cooling               | A               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        |                                    | Heating               | A               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
| Fan                    | Motor                              | Type                  | -               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        |                                    | Output                | W               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM             | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        |                                    |                       | l/s             | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq            | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        |                                    |                       | Pa              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
| Piping Connections     | Liquid Pipe                        | Φ, mm                 |                 | 6.35               |  | 6.35               |  | 6.35               |  | 6.35               |  | 6.35               |  | 6.35               |  | 6.35               |  | 6.35               |  |
|                        |                                    | Φ, inch               |                 | 1/4"               |  | 1/4"               |  | 1/4"               |  | 1/4"               |  | 1/4"               |  | 1/4"               |  | 1/4"               |  | 1/4"               |  |
|                        | Gas Pipe                           | Φ, mm                 |                 | 9.52               |  | 9.52               |  | 9.52               |  | 9.52               |  | 9.52               |  | 9.52               |  | 9.52               |  | 9.52               |  |
|                        |                                    | Φ, inch               |                 | 3/8"               |  | 3/8"               |  | 3/8"               |  | 3/8"               |  | 3/8"               |  | 3/8"               |  | 3/8"               |  | 3/8"               |  |
|                        | Drain Pipe                         | Φ, mm                 |                 | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  | VP18 (OD 19,ID 16) |  |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup> | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  | 1.5 ~ 2.5          |  |
|                        | Transmission Cable                 |                       | mm <sup>2</sup> | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  | 0.75 ~ 1.50        |  |
| Refrigerant            | Type                               |                       | -               | R410A              |  | R410A              |  | R410A              |  | R410A              |  | R410A              |  | R410A              |  | R410A              |  | R410A              |  |
|                        | Control Method                     |                       | -               | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  | EEV NOT INCLUDED   |  |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA             | 37.0/-25.0         |  | 38.0/-25.0         |  | 39.0/-26.0         |  | 44.0/-29.0         |  | 44.0/-29.0         |  | 44.0/-29.0         |  | 44.0/-29.0         |  | 44.0/-29.0         |  |
|                        | Sound Power                        | High / Mid / Low      | dBA             | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
| Dimensions             | Net Weight                         |                       | kg              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Shipping Weight                    |                       | kg              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Net Dimensions (WxHxD)             |                       | mm              | 890 x 285 x 190    |  | 890 x 285 x 190    |  | 1065 x 298 x 230   |  | 1065 x 298 x 230   |  | 1065 x 298 x 230   |  | 1065 x 298 x 230   |  | 1065 x 298 x 230   |  | 1065 x 298 x 230   |  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
| Panel Size             | Panel Model                        |                       | -               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Panel Net Weight                   |                       | kg              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Shipping Weight                    |                       | kg              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Net Dimensions (WxHxD)             |                       | mm              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm              | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
| Additional Accessories | Drain Pump                         | Drain Pump            | -               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
|                        | Max. Lifting Height / Displacement | mm / liter/h          |                 | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |
| Air Filter             |                                    |                       | -               | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  | -                  |  |

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Standard Accessories

Wireless Remote Controller



Neo Forte



- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel



| Model                  |                                    | MH020FNEA             |                    | MH026FNEA           |  | MH035FNEA            |  | MH052FNEA            |  |
|------------------------|------------------------------------|-----------------------|--------------------|---------------------|--|----------------------|--|----------------------|--|
| Power Supply           |                                    | Φ, #, V, Hz           |                    | 1,2,220-240,50      |  | 1,2,220-240,50       |  | 1,2,220-240,50       |  |
| Mode                   |                                    | -                     |                    | HP/HR               |  | HP/HR                |  | HP/HR                |  |
| Performance            | Capacity (Nominal)                 | Cooling               | kW                 | 2.00                |  | 2.60                 |  | 3.50                 |  |
|                        |                                    |                       | Btu/h              | 6,800               |  | 8,900                |  | 11,900               |  |
|                        |                                    | Heating               | kW                 | 2.20                |  | 2.90                 |  | 3.80                 |  |
|                        |                                    |                       | Btu/h              | 7,500               |  | 9,900                |  | 13,000               |  |
| Power                  | Power Input (Nominal)              | Cooling               | W                  | 30.00               |  | 30.00                |  | 35.00                |  |
|                        |                                    | Heating               | W                  | 30.00               |  | 30.00                |  | 35.00                |  |
|                        | Current Input (Nominal)            | Cooling               | A                  | 0.18                |  | 0.18                 |  | 0.19                 |  |
|                        |                                    | Heating               | A                  | 0.18                |  | 0.18                 |  | 0.19                 |  |
| Fan                    | Motor                              | Type                  | -                  | Crossflow Fan       |  | Crossflow Fan        |  | Crossflow Fan        |  |
|                        |                                    | Output                | W                  | 23 x 1              |  | 23 x 1               |  | 40 x 1               |  |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM                | 7.70/6.70/5.70      |  | 8.30/7.30/6.30       |  | 9.50/8.50/7.50       |  |
|                        |                                    |                       | l/s                | 128.33/111.67/95.00 |  | 138.33/121.67/105.00 |  | 158.33/141.67/125.00 |  |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq               | -                   |  | -                    |  | -                    |  |
|                        |                                    |                       | Pa                 | -                   |  | -                    |  | -                    |  |
| Piping Connections     | Liquid Pipe                        | Φ, mm                 | 6.35               | 6.35                |  | 6.35                 |  | 6.35                 |  |
|                        |                                    | Φ, inch               | 1/4"               | 1/4"                |  | 1/4"                 |  | 1/4"                 |  |
|                        | Gas Pipe                           | Φ, mm                 | 9.52               | 9.52                |  | 9.52                 |  | 12.70                |  |
|                        |                                    | Φ, inch               | 3/8"               | 3/8"                |  | 3/8"                 |  | 1/2"                 |  |
|                        | Drain Pipe                         | Φ, mm                 | VP18 (OD 19,ID 16) | VP18 (OD 19,ID 16)  |  | VP18 (OD 19,ID 16)   |  | VP18 (OD 19,ID 16)   |  |
|                        |                                    |                       |                    |                     |  |                      |  |                      |  |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup>    | 1.5 ~ 2.5           |  | 1.5 ~ 2.5            |  | 1.5 ~ 2.5            |  |
|                        | Transmission Cable                 |                       | mm <sup>2</sup>    | 0.75 ~ 1.50         |  | 0.75 ~ 1.50          |  | 0.75 ~ 1.50          |  |
| Refrigerant            | Type                               | -                     | -                  | R410A               |  | R410A                |  | R410A                |  |
|                        | Control Method                     | -                     | -                  | EEV NOT INCLUDED    |  | EEV NOT INCLUDED     |  | EEV NOT INCLUDED     |  |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA                | 32.0/28.0/23.0      |  | 32.0/28.0/23.0       |  | 36.0/30.0/23.0       |  |
|                        | Sound Power                        | High / Mid / Low      | dBA                | -                   |  | -                    |  | -                    |  |
| Dimensions             | Net Weight                         |                       | kg                 | 7.80                |  | 7.80                 |  | 13.00                |  |
|                        | Shipping Weight                    |                       | kg                 | 9.40                |  | 9.40                 |  | 16.00                |  |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | 825 x 285 x 189     |  | 825 x 285 x 189      |  | 1065 x 298 x 218     |  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | 900 x 349 x 252     |  | 900 x 349 x 252      |  | 1137 x 377 x 299     |  |
| Panel Size             | Panel Model                        |                       | -                  | -                   |  | -                    |  | -                    |  |
|                        | Panel Net Weight                   |                       | kg                 | -                   |  | -                    |  | -                    |  |
|                        | Shipping Weight                    |                       | kg                 | -                   |  | -                    |  | -                    |  |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | -                   |  | -                    |  | -                    |  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | -                   |  | -                    |  | -                    |  |
| Additional Accessories | Drain Pump                         | Drain Pump            | -                  | -                   |  | -                    |  | -                    |  |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | mm / liter/h       | -                   |  | -                    |  | -                    |  |
| Air Filter             |                                    |                       | -                  | -                   |  | -                    |  | -                    |  |

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Wireless Remote Controller



Console



- Slim & Smart Design
- 2Way Outlets
- Silent Operation



| Model                  |                                    | MH026FJEA             |                    | MH035FJEA            |  | MH052FJEA            |  |
|------------------------|------------------------------------|-----------------------|--------------------|----------------------|--|----------------------|--|
| Power Supply           |                                    | Φ, #, V, Hz           |                    | 1,2,220-240,50       |  | 1,2,220-240,50       |  |
| Mode                   |                                    | -                     |                    | HP/HR                |  | HP/HR                |  |
| Performance            | Capacity (Nominal)                 | Cooling               | kW                 | 2.60                 |  | 3.50                 |  |
|                        |                                    |                       | Btu/h              | 8,900                |  | 11,900               |  |
|                        |                                    | Heating               | kW                 | 2.90                 |  | 3.80                 |  |
|                        |                                    |                       | Btu/h              | 9,900                |  | 13,000               |  |
| Power                  | Power Input (Nominal)              | Cooling               | W                  | 30.00                |  | 35.00                |  |
|                        |                                    | Heating               | W                  | 30.00                |  | 35.00                |  |
|                        | Current Input (Nominal)            | Cooling               | A                  | 0.25                 |  | 0.29                 |  |
|                        |                                    | Heating               | A                  | 0.25                 |  | 0.29                 |  |
| Fan                    | Motor                              | Type                  | -                  | Turbo Fan            |  | Turbo Fan            |  |
|                        |                                    | Output                | W                  | 37 x 1               |  | 37 x 1               |  |
|                        | Air Flow Rate                      | High / Mid / Low (UL) | CMM                | 9.00/7.80/6.70       |  | 10.50/9.30/8.20      |  |
|                        |                                    |                       | l/s                | 150.00/130.00/111.67 |  | 175.00/155.00/136.67 |  |
|                        | External Static Pressure           | Min. / Std. / Max.    | mmAq               | -                    |  | -                    |  |
|                        |                                    |                       | Pa                 | -                    |  | -                    |  |
| Piping Connections     | Liquid Pipe                        | Φ, mm                 | 6.35               | 6.35                 |  | 6.35                 |  |
|                        |                                    | Φ, inch               | 1/4"               | 1/4"                 |  | 1/4"                 |  |
|                        | Gas Pipe                           | Φ, mm                 | 9.52               | 9.52                 |  | 12.70                |  |
|                        |                                    | Φ, inch               | 3/8"               | 3/8"                 |  | 1/2"                 |  |
|                        | Drain Pipe                         | Φ, mm                 | VP18 (OD 19,ID 16) | VP18 (OD 19,ID 16)   |  | VP18 (OD 19,ID 16)   |  |
|                        |                                    |                       |                    |                      |  |                      |  |
| Field Wiring           | Power Source Wire                  | Below 20m / Over 20m  | mm <sup>2</sup>    | 1.5 ~ 2.5            |  | 1.5 ~ 2.5            |  |
|                        | Transmission Cable                 |                       | mm <sup>2</sup>    | 0.75 ~ 1.50          |  | 0.75 ~ 1.50          |  |
| Refrigerant            | Type                               | -                     | -                  | R410A                |  | R410A                |  |
|                        | Control Method                     | -                     | -                  | EEV NOT INCLUDED     |  | EEV NOT INCLUDED     |  |
| Sound                  | Sound Pressure                     | High / Mid / Low      | dBA                | 28.0/26.0/23.0       |  | 39.0/32.0/24.0       |  |
|                        | Sound Power                        | High / Mid / Low      | dBA                | -                    |  | -                    |  |
| Dimensions             | Net Weight                         |                       | kg                 | 15.00                |  | 15.00                |  |
|                        | Shipping Weight                    |                       | kg                 | 19.00                |  | 19.00                |  |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | 720 x 620 x 199      |  | 720 x 620 x 199      |  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | 810 x 710 x 295      |  | 810 x 710 x 295      |  |
| Panel Size             | Panel Model                        |                       | -                  | -                    |  | -                    |  |
|                        | Panel Net Weight                   |                       | kg                 | -                    |  | -                    |  |
|                        | Shipping Weight                    |                       | kg                 | -                    |  | -                    |  |
|                        | Net Dimensions (WxHxD)             |                       | mm                 | -                    |  | -                    |  |
|                        | Shipping Dimensions (WxHxD)        |                       | mm                 | -                    |  | -                    |  |
| Additional Accessories | Drain Pump                         | Drain Pump            | -                  | -                    |  | -                    |  |
|                        | Max. Lifting Height / Displacement | mm / liter/h          | mm / liter/h       | -                    |  | -                    |  |
| Air Filter             |                                    |                       | -                  | -                    |  | -                    |  |

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Optional Accessories

Individual Controllers



MWR-WE10



MWR-WH00



MWR-SH00



MR-DH00

Wireless Remote Controller





# FJM Capacity Combination



| COOLING      |        |                         |      |   |   |       |                      |      |   |   |       |          |      |      |                   |      |      |         |     |     |      |
|--------------|--------|-------------------------|------|---|---|-------|----------------------|------|---|---|-------|----------|------|------|-------------------|------|------|---------|-----|-----|------|
| Outdoor Unit |        | Indoor Unit Combination |      |   |   |       | Cooling Capacity (W) |      |   |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |     | EER  |
|              |        | A                       | B    | C | D | Total | A                    | B    | C | D | Total | W        |      |      | W                 |      |      | A       |     |     |      |
|              |        |                         |      |   |   |       |                      |      |   |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX |      |
| AJ040FXJ2EH  | 1 Unit | 2000                    |      |   |   | 2000  | 2100                 |      |   |   | 2100  | 1250     | 2100 | 2520 | 300               | 540  | 630  | 1.7     | 2.5 | 2.9 | 3.89 |
|              |        | 2500                    |      |   |   | 2500  | 2500                 |      |   |   | 2500  | 1250     | 2500 | 3120 | 300               | 750  | 880  | 1.7     | 3.4 | 4.0 | 3.33 |
|              |        | 3500                    |      |   |   | 3500  | 3500                 |      |   |   | 3500  | 1250     | 3500 | 4200 | 300               | 1060 | 1240 | 1.7     | 4.9 | 5.7 | 3.30 |
|              | 2 Unit | 2000                    | 2000 |   |   | 4000  | 2000                 | 2000 |   |   | 4000  | 1250     | 4000 | 4500 | 300               | 1180 | 1330 | 1.7     | 5.4 | 6.1 | 3.39 |
|              |        | 2000                    | 2500 |   |   | 4500  | 1780                 | 2220 |   |   | 4000  | 1300     | 4000 | 4500 | 350               | 1180 | 1330 | 1.9     | 5.4 | 6.1 | 3.39 |
|              |        | 2000                    | 3500 |   |   | 5500  | 1450                 | 2550 |   |   | 4000  | 1300     | 4000 | 4500 | 350               | 1180 | 1330 | 1.9     | 5.4 | 6.1 | 3.39 |
|              |        | 2500                    | 2500 |   |   | 5000  | 2000                 | 2000 |   |   | 4000  | 1300     | 4000 | 4500 | 350               | 1180 | 1330 | 1.9     | 5.4 | 6.1 | 3.39 |
|              |        | 2500                    | 3500 |   |   | 6000  | 1670                 | 2330 |   |   | 4000  | 1300     | 4000 | 4500 | 350               | 1020 | 1330 | 1.9     | 4.7 | 6.1 | 3.92 |

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 6.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

| COOLING      |        |                         |      |   |   |       |                      |      |   |   |       |          |      |      |                   |      |      |         |     |     |      |
|--------------|--------|-------------------------|------|---|---|-------|----------------------|------|---|---|-------|----------|------|------|-------------------|------|------|---------|-----|-----|------|
| Outdoor Unit |        | Indoor Unit Combination |      |   |   |       | Cooling Capacity (W) |      |   |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |     | EER  |
|              |        | A                       | B    | C | D | Total | A                    | B    | C | D | Total | W        |      |      | W                 |      |      | A       |     |     |      |
|              |        |                         |      |   |   |       |                      |      |   |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX |      |
| AJ050FCJ2EH  | 1 Unit | 2000                    |      |   |   | 2000  | 2400                 |      |   |   | 2400  | 1250     | 2400 | 2880 | 300               | 730  | 880  | 1.7     | 3.3 | 4.0 | 3.29 |
|              |        | 2500                    |      |   |   | 2500  | 2500                 |      |   |   | 2500  | 1250     | 2500 | 3120 | 300               | 800  | 960  | 1.7     | 3.7 | 4.4 | 3.13 |
|              |        | 3500                    |      |   |   | 3500  | 3500                 |      |   |   | 3500  | 1250     | 3500 | 4200 | 300               | 1090 | 1310 | 1.7     | 5.0 | 6.0 | 3.21 |
|              |        | 5000                    |      |   |   | 5000  | 5000                 |      |   |   | 5000  | 1250     | 5000 | 5200 | 300               | 1600 | 1740 | 1.7     | 7.3 | 8.0 | 3.13 |
|              | 2 Unit | 2000                    | 2000 |   |   | 4000  | 2000                 | 2000 |   |   | 4000  | 1300     | 4000 | 4800 | 350               | 1245 | 1490 | 1.9     | 5.7 | 6.8 | 3.21 |
|              |        | 2000                    | 2500 |   |   | 4500  | 2040                 | 2560 |   |   | 4600  | 1300     | 4600 | 5200 | 350               | 1430 | 1720 | 1.9     | 6.5 | 7.9 | 3.22 |
|              |        | 2000                    | 3500 |   |   | 5500  | 1820                 | 3180 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1490 | 1780 | 1.9     | 6.8 | 8.1 | 3.36 |
|              |        | 2000                    | 5000 |   |   | 7000  | 1430                 | 3570 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1450 | 1800 | 1.9     | 6.6 | 8.2 | 3.45 |
|              |        | 2500                    | 2500 |   |   | 5000  | 2500                 | 2500 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1500 | 1780 | 1.9     | 6.9 | 8.1 | 3.33 |
|              |        | 2500                    | 3500 |   |   | 6000  | 2080                 | 2920 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1500 | 1780 | 1.9     | 6.9 | 8.1 | 3.33 |
|              |        | 2500                    | 5000 |   |   | 7500  | 1670                 | 3330 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1450 | 1700 | 1.9     | 6.6 | 7.8 | 3.45 |
|              |        | 3500                    | 3500 |   |   | 7000  | 2500                 | 2500 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1500 | 1780 | 1.9     | 6.9 | 8.1 | 3.33 |
|              |        | 3500                    | 5000 |   |   | 8500  | 2060                 | 2940 |   |   | 5000  | 1400     | 5000 | 5400 | 350               | 1320 | 1700 | 1.9     | 6.0 | 7.8 | 3.79 |

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 6.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

| HEATING      |        |                         |      |   |   |       |                      |      |   |   |       |          |      |      |                   |      |      |         |     |     |      |
|--------------|--------|-------------------------|------|---|---|-------|----------------------|------|---|---|-------|----------|------|------|-------------------|------|------|---------|-----|-----|------|
| Outdoor unit |        | Indoor unit combination |      |   |   |       | Heating Capacity (W) |      |   |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |     | COP  |
|              |        | A                       | B    | C | D | Total | A                    | B    | C | D | Total | W        |      |      | W                 |      |      | A       |     |     |      |
|              |        |                         |      |   |   |       |                      |      |   |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX |      |
| AJ040FXJ2EH  | 1 Unit | 2200                    |      |   |   | 2200  | 2400                 |      |   |   | 2400  | 1000     | 2400 | 2990 | 260               | 780  | 910  | 1.3     | 3.6 | 4.2 | 3.08 |
|              |        | 3300                    |      |   |   | 3300  | 3100                 |      |   |   | 3100  | 1000     | 3100 | 3450 | 260               | 850  | 1080 | 1.3     | 3.9 | 4.9 | 3.65 |
|              |        | 4000                    |      |   |   | 4000  | 3800                 |      |   |   | 3800  | 1000     | 3800 | 4370 | 260               | 1100 | 1380 | 1.3     | 5.0 | 6.3 | 3.45 |
|              | 2 Unit | 2200                    | 2200 |   |   | 4400  | 2200                 | 2200 |   |   | 4400  | 1000     | 4400 | 4700 | 280               | 1160 | 1390 | 1.4     | 5.3 | 6.4 | 3.79 |
|              |        | 2200                    | 3300 |   |   | 5500  | 1760                 | 2640 |   |   | 4400  | 1000     | 4400 | 4700 | 280               | 1160 | 1400 | 1.4     | 5.3 | 6.4 | 3.79 |
|              |        | 2200                    | 4000 |   |   | 6200  | 1560                 | 2840 |   |   | 4400  | 1000     | 4400 | 4700 | 280               | 1160 | 1400 | 1.4     | 5.3 | 6.4 | 3.79 |
|              |        | 3300                    | 3300 |   |   | 6600  | 2200                 | 2200 |   |   | 4400  | 1000     | 4400 | 4700 | 280               | 1160 | 1400 | 1.4     | 5.3 | 6.4 | 3.79 |
|              |        | 3300                    | 4000 |   |   | 7300  | 1990                 | 2410 |   |   | 4400  | 1000     | 4400 | 4700 | 280               | 990  | 1400 | 1.4     | 4.5 | 6.4 | 4.44 |

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 7.3 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

| HEATING      |        |                         |      |       |      |       |                      |      |      |      |       |          |      |      |                   |      |      |         |      |     |      |
|--------------|--------|-------------------------|------|-------|------|-------|----------------------|------|------|------|-------|----------|------|------|-------------------|------|------|---------|------|-----|------|
| Outdoor unit |        | Indoor unit combination |      |       |      |       | Heating Capacity (W) |      |      |      |       | Capacity |      |      | Power Consumption |      |      | Current |      |     | COP  |
|              |        | A                       | B    | C     | D    | Total | A                    | B    | C    | D    | Total | W        |      |      | W                 |      |      | A       |      |     |      |
|              |        |                         |      |       |      |       |                      |      |      |      |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM  | MAX |      |
| AJ050FCJ2EH  | 1 Unit | 2200                    |      |       |      | 2200  | 2500                 |      |      |      | 2500  | 1050     | 2500 | 2990 | 260               | 880  | 1010 | 1.3     | 4.0  | 4.6 | 2.84 |
|              |        | 3300                    |      |       |      | 3300  | 3300                 |      |      |      | 3300  | 1050     | 3300 | 3340 | 260               | 1050 | 1290 | 1.3     | 4.8  | 5.9 | 3.14 |
|              |        | 4000                    |      |       |      | 4000  | 4000                 |      |      |      | 4000  | 1050     | 4000 | 4370 | 260               | 1300 | 1620 | 1.3     | 5.9  | 7.4 | 3.08 |
|              |        | 6000                    |      |       |      | 6000  | 5400                 |      |      |      | 5400  | 1050     | 5400 | 5600 | 260               | 1650 | 2060 | 1.3     | 7.6  | 9.4 | 3.27 |
|              | 2 Unit | 2200                    | 2200 |       |      | 4400  | 2200                 | 2200 |      |      | 4400  | 1100     | 4400 | 4750 | 280               | 1220 | 1390 | 1.4     | 5.6  | 6.4 | 3.61 |
|              |        | 2200                    | 3300 |       |      | 5500  | 2040                 | 3060 |      |      | 5100  | 1100     | 5100 | 5460 | 280               | 1410 | 1610 | 1.4     | 6.5  | 7.4 | 3.62 |
|              |        | 2200                    | 4000 |       |      | 6200  | 2020                 | 3680 |      |      | 5700  | 1100     | 5700 | 6300 | 280               | 1520 | 1900 | 1.4     | 7.0  | 8.7 | 3.75 |
|              |        | 2200                    | 6000 |       |      | 8200  | 1530                 | 4170 |      |      | 5700  | 1100     | 5700 | 6400 | 280               | 1440 | 1800 | 1.4     | 6.6  | 8.2 | 3.96 |
|              |        | 3300                    | 3300 |       |      | 6600  | 2850                 | 2850 |      |      | 5700  | 1100     | 5700 | 6300 | 208               | 1550 | 1940 | 1.4     | 7.1  | 8.9 | 3.68 |
|              |        | 3300                    | 4000 |       |      | 7300  | 2580                 | 3120 |      |      | 5700  | 1100     | 5700 | 6300 | 280               | 1550 | 1850 | 1.4     | 7.1  | 8.5 | 3.68 |
|              |        | 3300                    | 6000 |       |      | 9300  | 2020                 | 3680 |      |      | 5700  | 1100     | 5700 | 6400 | 280               | 1440 | 1750 | 1.4     | 6.6  | 8.0 | 3.96 |
|              |        | 4000                    | 4000 |       |      | 8000  | 2850                 | 2850 |      |      | 5700  | 1100     | 5700 | 6300 | 280               | 1470 | 1840 | 1.4     | 6.7  | 8.4 | 3.88 |
| 4000         | 6000   |                         |      | 10000 | 2280 | 3420  |                      |      | 5700 | 1100 | 5700  | 6400     | 280  | 1350 | 1750              | 1.4  | 6.2  | 8.0     | 4.22 |     |      |

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000, 6000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 10.0 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

# FJM Capacity Combination



| COOLING      |        |                         |      |      |   |       |                      |      |      |   |       |          |      |      |                   |      |      |         |     |     |      |
|--------------|--------|-------------------------|------|------|---|-------|----------------------|------|------|---|-------|----------|------|------|-------------------|------|------|---------|-----|-----|------|
| Outdoor unit |        | Indoor unit combination |      |      |   |       | Cooling Capacity (W) |      |      |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |     | EER  |
|              |        | A                       | B    | C    | D | Total | A                    | B    | C    | D | Total | W        |      |      | W                 |      |      | A       |     |     |      |
|              |        |                         |      |      |   |       |                      |      |      |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX |      |
| AJ052FCJ3EH  | 1 Unit | 2000                    |      |      |   | 2000  | 2000                 |      |      |   | 2000  | 1280     | 2000 | 2880 | 420               | 630  | 1020 | 2.2     | 2.9 | 4.7 | 3.17 |
|              |        | 2500                    |      |      |   | 2500  | 2500                 |      |      |   | 2500  | 1280     | 2500 | 3120 | 420               | 790  | 1110 | 2.2     | 3.6 | 5.1 | 3.16 |
|              |        | 3500                    |      |      |   | 3500  | 3500                 |      |      |   | 3500  | 1280     | 3500 | 4200 | 420               | 1150 | 1510 | 2.2     | 5.3 | 6.9 | 3.04 |
|              |        | 5000                    |      |      |   | 5000  | 5000                 |      |      |   | 5000  | 1300     | 5000 | 5800 | 420               | 1620 | 2090 | 2.2     | 7.4 | 9.6 | 3.09 |
|              | 2 Unit | 2000                    | 2000 |      |   | 4000  | 2000                 | 2000 |      |   | 4000  | 1300     | 4000 | 4800 | 440               | 1240 | 1630 | 2.3     | 5.7 | 7.5 | 3.23 |
|              |        | 2000                    | 2500 |      |   | 4500  | 2040                 | 2560 |      |   | 4600  | 1300     | 4600 | 5520 | 440               | 1410 | 1850 | 2.3     | 6.5 | 8.5 | 3.26 |
|              |        | 2000                    | 3500 |      |   | 5500  | 1820                 | 3180 |      |   | 5000  | 1300     | 5000 | 6290 | 450               | 1520 | 2000 | 2.3     | 7.0 | 9.2 | 3.29 |
|              |        | 2000                    | 5000 |      |   | 7000  | 1490                 | 3710 |      |   | 5200  | 1380     | 5200 | 6600 | 450               | 1540 | 2040 | 2.3     | 7.0 | 9.3 | 3.38 |
|              |        | 2500                    | 2500 |      |   | 5000  | 2500                 | 2500 |      |   | 5000  | 1300     | 5000 | 5800 | 440               | 1550 | 1980 | 2.3     | 7.1 | 9.1 | 3.23 |
|              |        | 2500                    | 3500 |      |   | 6000  | 2080                 | 2920 |      |   | 5000  | 1300     | 5000 | 6400 | 450               | 1510 | 2020 | 2.3     | 6.9 | 9.2 | 3.31 |
|              |        | 2500                    | 5000 |      |   | 7500  | 1730                 | 3470 |      |   | 5200  | 1380     | 5200 | 6800 | 450               | 1540 | 2070 | 2.3     | 7.0 | 9.5 | 3.38 |
|              |        | 3500                    | 3500 |      |   | 7000  | 2600                 | 2600 |      |   | 5200  | 1300     | 5200 | 6560 | 450               | 1540 | 2040 | 2.3     | 7.0 | 9.3 | 3.38 |
|              | 3 Unit | 2000                    | 2000 | 2000 |   | 6000  | 1730                 | 1730 | 1740 |   | 5200  | 1700     | 5200 | 6380 | 450               | 1500 | 2020 | 2.3     | 6.9 | 9.2 | 3.47 |
|              |        | 2000                    | 2000 | 2500 |   | 6500  | 1600                 | 1600 | 2000 |   | 5200  | 1700     | 5200 | 6490 | 450               | 1530 | 2040 | 2.3     | 7.0 | 9.3 | 3.40 |
|              |        | 2000                    | 2000 | 3500 |   | 7500  | 1390                 | 1390 | 2420 |   | 5200  | 1700     | 5200 | 6800 | 460               | 1420 | 2070 | 2.4     | 6.5 | 9.5 | 3.66 |
|              |        | 2000                    | 2500 | 2500 |   | 7000  | 1480                 | 1860 | 1860 |   | 5200  | 1700     | 5200 | 6600 | 450               | 1390 | 2040 | 2.3     | 6.4 | 9.3 | 3.74 |
|              |        | 2000                    | 2500 | 3500 |   | 8000  | 1300                 | 1630 | 2270 |   | 5200  | 1700     | 5200 | 6800 | 460               | 1420 | 2070 | 2.4     | 6.5 | 9.5 | 3.66 |
|              |        | 2500                    | 2500 | 2500 |   | 7500  | 1730                 | 1730 | 1740 |   | 5200  | 1700     | 5200 | 6800 | 460               | 1350 | 2070 | 2.4     | 6.2 | 9.5 | 3.85 |

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500, 5000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 8.0 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

| HEATING      |        |                         |      |      |   |       |                      |      |      |   |       |          |      |      |                   |      |      |         |     |     |      |      |
|--------------|--------|-------------------------|------|------|---|-------|----------------------|------|------|---|-------|----------|------|------|-------------------|------|------|---------|-----|-----|------|------|
| Outdoor unit |        | Indoor unit combination |      |      |   |       | Heating Capacity (W) |      |      |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |     | COP  |      |
|              |        | A                       | B    | C    | D | Total | A                    | B    | C    | D | Total | W        |      |      | W                 |      |      | A       |     |     |      |      |
|              |        |                         |      |      |   |       |                      |      |      |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX |      |      |
| AJ052FCJ3EH  | 1 Unit | 2200                    |      |      |   | 2200  | 2200                 |      |      |   | 2200  | 1300     | 2200 | 2990 | 350               | 910  | 1110 | 1.9     | 4.2 | 5.1 | 2.42 |      |
|              |        | 3300                    |      |      |   | 3300  | 3300                 |      |      |   | 3300  | 1300     | 3300 | 3340 | 350               | 1150 | 1270 | 1.9     | 5.3 | 5.8 | 2.87 |      |
|              |        | 4000                    |      |      |   | 4000  | 4000                 |      |      |   | 4000  | 1300     | 4000 | 4370 | 350               | 1350 | 1660 | 1.9     | 6.2 | 7.6 | 2.96 |      |
|              |        | 6000                    |      |      |   | 6000  | 5600                 |      |      |   | 5600  | 1350     | 5600 | 6300 | 350               | 1820 | 1920 | 1.9     | 8.3 | 8.8 | 3.08 |      |
|              | 2 Unit | 2200                    | 2200 |      |   | 4400  | 2200                 | 2200 |      |   |       | 4400     | 1400 | 4400 | 5060              | 350  | 1220 | 1510    | 1.9 | 5.6 | 6.9  | 3.61 |
|              |        | 2200                    | 3300 |      |   | 5500  | 2040                 | 3060 |      |   |       | 5100     | 1400 | 5100 | 5870              | 350  | 1410 | 1830    | 1.9 | 6.5 | 8.4  | 3.62 |
|              |        | 2200                    | 4000 |      |   | 6200  | 1990                 | 3610 |      |   |       | 5600     | 1400 | 5600 | 6440              | 350  | 1540 | 1860    | 1.9 | 7.0 | 8.5  | 3.64 |
|              |        | 2200                    | 6000 |      |   | 8200  | 1610                 | 4390 |      |   |       | 6000     | 1400 | 6000 | 6900              | 350  | 1660 | 1860    | 1.9 | 7.6 | 8.5  | 3.61 |
|              |        | 3300                    | 3300 |      |   | 6600  | 2900                 | 2900 |      |   |       | 5800     | 1400 | 5800 | 6300              | 350  | 1600 | 1910    | 1.9 | 7.3 | 8.7  | 3.63 |
|              |        | 3300                    | 4000 |      |   | 7300  | 2620                 | 3180 |      |   |       | 5800     | 1400 | 5800 | 6300              | 350  | 1600 | 1910    | 1.9 | 7.3 | 8.7  | 3.63 |
|              |        | 3300                    | 6000 |      |   | 9300  | 2240                 | 4060 |      |   |       | 6300     | 1400 | 6300 | 7300              | 350  | 1740 | 1830    | 1.9 | 8.0 | 8.4  | 3.62 |
|              |        | 4000                    | 4000 |      |   | 8000  | 2950                 | 2950 |      |   |       | 5900     | 1400 | 5900 | 6880              | 350  | 1630 | 1860    | 1.9 | 7.5 | 8.5  | 3.62 |
|              | 3 Unit | 2200                    | 2200 | 2200 |   | 6600  | 1930                 | 1930 | 1940 |   |       | 5800     | 1400 | 5800 | 6760              | 350  | 1590 | 1840    | 1.9 | 7.3 | 8.4  | 3.65 |
|              |        | 2200                    | 2200 | 3300 |   | 7700  | 1690                 | 1690 | 2520 |   |       | 5900     | 1400 | 5900 | 6840              | 350  | 1650 | 1840    | 1.9 | 7.6 | 8.4  | 3.58 |
|              |        | 2200                    | 2200 | 4000 |   | 8400  | 1650                 | 1650 | 3000 |   |       | 6300     | 1400 | 6300 | 7300              | 350  | 1660 | 1830    | 1.9 | 7.6 | 8.4  | 3.80 |
|              |        | 2200                    | 3300 | 3300 |   | 8800  | 1500                 | 2250 | 2250 |   |       | 6000     | 1400 | 6000 | 6920              | 350  | 1590 | 1840    | 1.9 | 7.3 | 8.4  | 3.77 |
|              |        | 2200                    | 3300 | 4000 |   | 9500  | 1460                 | 2190 | 2650 |   |       | 6300     | 1400 | 6300 | 7300              | 350  | 1630 | 1830    | 1.9 | 7.5 | 8.4  | 3.87 |
|              |        | 3300                    | 3300 | 3300 |   | 9900  | 2100                 | 2100 | 2100 |   |       | 6300     | 1400 | 6300 | 7300              | 350  | 1400 | 1830    | 1.9 | 6.4 | 8.4  | 4.50 |

- Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000, 6000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 9.9 kW (@ Heating)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

# FJM Capacity Combination



## COOLING

| Outdoor unit |        | Indoor unit combination |      |      |   |       | Cooling Capacity (W) |      |      |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |      | EER  |
|--------------|--------|-------------------------|------|------|---|-------|----------------------|------|------|---|-------|----------|------|------|-------------------|------|------|---------|-----|------|------|
|              |        | A                       | B    | C    | D | Total | A                    | B    | C    | D | Total | W        |      |      | W                 |      |      | A       |     |      |      |
|              |        |                         |      |      |   |       |                      |      |      |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX  |      |
| AJ068FCJ3EH  | 1 Unit | 2000                    |      |      |   | 2000  | 2000                 |      |      |   | 2000  | 1280     | 2000 | 2880 | 400               | 630  | 930  | 2.2     | 2.9 | 4.3  | 3.17 |
|              |        | 2500                    |      |      |   | 2500  | 2500                 |      |      |   | 2500  | 1280     | 2500 | 3120 | 400               | 790  | 1010 | 2.2     | 3.6 | 4.6  | 3.16 |
|              |        | 3500                    |      |      |   | 3500  | 3500                 |      |      |   | 3500  | 1280     | 3500 | 4200 | 400               | 1070 | 1370 | 2.2     | 4.9 | 6.3  | 3.27 |
|              |        | 5000                    |      |      |   | 5000  | 5000                 |      |      |   | 5000  | 1300     | 5000 | 5800 | 400               | 1620 | 1900 | 2.2     | 7.4 | 8.7  | 3.09 |
|              | 2 Unit | 2000                    | 2000 |      |   | 4000  | 2000                 | 2000 |      |   | 4000  | 1300     | 4000 | 4800 | 420               | 1240 | 1480 | 2.3     | 5.7 | 6.8  | 3.23 |
|              |        | 2000                    | 2500 |      |   | 4500  | 2000                 | 2500 |      |   | 4500  | 1300     | 4500 | 5520 | 420               | 1410 | 1680 | 2.3     | 6.5 | 7.7  | 3.19 |
|              |        | 2000                    | 3500 |      |   | 5500  | 2000                 | 3500 |      |   | 5500  | 1300     | 5500 | 6550 | 420               | 1830 | 2470 | 2.3     | 8.4 | 11.3 | 3.01 |
|              |        | 2000                    | 5000 |      |   | 7000  | 1860                 | 4640 |      |   | 6500  | 1300     | 6500 | 7740 | 420               | 2000 | 2690 | 2.3     | 9.2 | 12.3 | 3.25 |
|              |        | 2500                    | 2500 |      |   | 5000  | 2500                 | 2500 |      |   | 5000  | 1300     | 5000 | 5950 | 420               | 1660 | 2260 | 2.3     | 7.6 | 10.3 | 3.01 |
|              |        | 2500                    | 3500 |      |   | 6000  | 2500                 | 3500 |      |   | 6000  | 1300     | 6000 | 7140 | 420               | 1980 | 2670 | 2.3     | 9.1 | 12.2 | 3.03 |
|              |        | 2500                    | 5000 |      |   | 7500  | 2270                 | 4530 |      |   | 6800  | 1380     | 6800 | 8090 | 430               | 2090 | 2660 | 2.3     | 9.6 | 12.2 | 3.25 |
|              |        | 3500                    | 3500 |      |   | 7000  | 3250                 | 3250 |      |   | 6500  | 1300     | 6500 | 7740 | 420               | 2010 | 2700 | 2.3     | 9.2 | 12.4 | 3.23 |
|              |        | 3500                    | 5000 |      |   | 8500  | 2800                 | 4000 |      |   | 6800  | 1380     | 6800 | 8090 | 430               | 2100 | 2670 | 2.3     | 9.6 | 12.2 | 3.24 |
|              |        | 5000                    | 5000 |      |   | 10000 | 3400                 | 3400 |      |   | 6800  | 1380     | 6800 | 8090 | 430               | 2060 | 2660 | 2.3     | 9.4 | 12.2 | 3.30 |
|              | 3 Unit | 2000                    | 2000 | 2000 |   | 6000  | 2000                 | 2000 | 2000 |   | 6000  | 1800     | 6000 | 7400 | 440               | 1970 | 2650 | 2.3     | 9.0 | 12.1 | 3.05 |
|              |        | 2000                    | 2000 | 2500 |   | 6500  | 2000                 | 2000 | 2500 |   | 6500  | 1800     | 6500 | 8000 | 440               | 2000 | 2690 | 2.3     | 9.2 | 12.3 | 3.25 |
|              |        | 2000                    | 2000 | 3500 |   | 7500  | 1810                 | 1810 | 3180 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2070 | 2700 | 2.3     | 9.5 | 12.4 | 3.29 |
|              |        | 2000                    | 2000 | 5000 |   | 9000  | 1510                 | 1510 | 3780 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2000 | 2690 | 2.3     | 9.2 | 12.3 | 3.40 |
|              |        | 2000                    | 2500 | 2500 |   | 7000  | 1860                 | 2320 | 2320 |   | 6500  | 1800     | 6500 | 8000 | 440               | 2030 | 2690 | 2.3     | 9.3 | 12.3 | 3.20 |
|              |        | 2000                    | 2500 | 3500 |   | 8000  | 1700                 | 2130 | 2970 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2090 | 2690 | 2.3     | 9.6 | 12.3 | 3.25 |
|              |        | 2000                    | 2500 | 5000 |   | 9500  | 1430                 | 1790 | 3580 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2010 | 2690 | 2.3     | 9.2 | 12.3 | 3.38 |
|              |        | 2000                    | 3500 | 3500 |   | 9000  | 1520                 | 2640 | 2640 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2010 | 2700 | 2.3     | 9.2 | 12.4 | 3.38 |
|              |        | 2000                    | 3500 | 5000 |   | 10500 | 1300                 | 2270 | 3230 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2050 | 2700 | 2.3     | 9.4 | 12.4 | 3.32 |
|              |        | 2500                    | 2500 | 2500 |   | 7500  | 2260                 | 2270 | 2270 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2060 | 2690 | 2.3     | 9.4 | 12.3 | 3.30 |
|              |        | 2500                    | 2500 | 3500 |   | 8500  | 2000                 | 2000 | 2800 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2130 | 2700 | 2.3     | 9.7 | 12.4 | 3.19 |
|              |        | 2500                    | 2500 | 5000 |   | 10000 | 1700                 | 1700 | 3400 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2030 | 2690 | 2.3     | 9.3 | 12.3 | 3.35 |
|              |        | 2500                    | 3500 | 3500 |   | 9500  | 1780                 | 2510 | 2510 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2020 | 2700 | 2.3     | 9.2 | 12.4 | 3.37 |
|              |        | 2500                    | 3500 | 5000 |   | 11000 | 1550                 | 2160 | 3090 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2070 | 2700 | 2.3     | 9.5 | 12.4 | 3.29 |
|              |        | 3500                    | 3500 | 3500 |   | 10500 | 2260                 | 2270 | 2270 |   | 6800  | 1800     | 6800 | 8400 | 440               | 2000 | 2710 | 2.3     | 9.2 | 12.4 | 3.40 |

- Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
- The above is the value for connecting with the following indoor units.
  - 2000, 2500, 3500, 5000W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSFPESNN, AR\*\*FSFPDGMN]
- Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
- The total ability of connected a indoor unit is up to 11 kW (@ Cooling)
- It is impossible to connect the indoor unit for one room only.
- Power consumption include indoor unit power.

## HEATING

| Outdoor unit |        | Indoor unit combination |      |      |   |       | Heating Capacity (W) |      |      |   |       | Capacity |      |      | Power Consumption |      |      | Current |     |      | COP  |
|--------------|--------|-------------------------|------|------|---|-------|----------------------|------|------|---|-------|----------|------|------|-------------------|------|------|---------|-----|------|------|
|              |        | A                       | B    | C    | D | Total | A                    | B    | C    | D | Total | W        |      |      | A                 |      |      |         |     |      |      |
|              |        |                         |      |      |   |       |                      |      |      |   |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM | MAX  |      |
| AJ088FCJ8EH  | 1 Unit | 2200                    |      |      |   | 2200  | 2200                 |      |      |   | 2200  | 1300     | 2200 | 2990 | 380               | 950  | 1190 | 1.9     | 4.3 | 5.4  | 2.32 |
|              |        | 3300                    |      |      |   | 3300  | 3300                 |      |      |   | 3300  | 1300     | 3300 | 3340 | 380               | 1150 | 1360 | 1.9     | 5.3 | 6.2  | 2.87 |
|              |        | 4000                    |      |      |   | 4000  | 4000                 |      |      |   | 4000  | 1300     | 4000 | 4370 | 380               | 1350 | 1780 | 1.9     | 6.2 | 8.1  | 2.96 |
|              |        | 6000                    |      |      |   | 6000  | 5600                 |      |      |   | 5600  | 1350     | 5600 | 6300 | 380               | 1820 | 2050 | 1.9     | 8.3 | 9.4  | 3.08 |
|              | 2 Unit | 2200                    | 2200 |      |   | 4400  | 2200                 | 2200 |      |   | 4400  | 1400     | 4400 | 5060 | 380               | 1220 | 1600 | 1.9     | 5.6 | 7.3  | 3.61 |
|              |        | 2200                    | 3300 |      |   | 5500  | 2200                 | 3300 |      |   | 5500  | 1400     | 5500 | 6330 | 380               | 1490 | 2000 | 1.9     | 6.8 | 9.2  | 3.69 |
|              |        | 2200                    | 4000 |      |   | 6200  | 2200                 | 4000 |      |   | 6200  | 1400     | 6200 | 7130 | 380               | 1670 | 2300 | 1.9     | 7.6 | 10.5 | 3.71 |
|              |        | 2200                    | 6000 |      |   | 8200  | 2090                 | 5710 |      |   | 7800  | 1400     | 7800 | 8970 | 380               | 1990 | 2700 | 1.9     | 9.1 | 12.4 | 3.92 |
|              |        | 3300                    | 3300 |      |   | 6600  | 3300                 | 3300 |      |   | 6600  | 1400     | 6600 | 7590 | 380               | 1890 | 2600 | 1.9     | 8.6 | 11.9 | 3.49 |
|              |        | 3300                    | 4000 |      |   | 7300  | 3300                 | 4000 |      |   | 7300  | 1400     | 7300 | 8400 | 380               | 1950 | 2600 | 1.9     | 8.9 | 11.9 | 3.74 |
|              |        | 3300                    | 6000 |      |   | 9300  | 2770                 | 5030 |      |   | 7800  | 1400     | 7800 | 8970 | 380               | 2040 | 2800 | 1.9     | 9.3 | 12.8 | 3.82 |
|              |        | 4000                    | 4000 |      |   | 8000  | 3900                 | 3900 |      |   | 7800  | 1400     | 7800 | 8970 | 380               | 1990 | 2700 | 1.9     | 9.1 | 12.4 | 3.92 |
|              |        | 4000                    | 6000 |      |   | 10000 | 3200                 | 4800 |      |   | 8000  | 1400     | 8000 | 9200 | 380               | 2090 | 2800 | 1.9     | 9.6 | 12.8 | 3.83 |
|              |        | 6000                    | 6000 |      |   | 12000 | 4000                 | 4000 |      |   | 8000  | 1400     | 8000 | 9200 | 380               | 2080 | 2800 | 1.9     | 9.5 | 12.8 | 3.85 |
|              | 3 Unit | 2200                    | 2200 | 2200 |   | 6600  | 2200                 | 2200 | 2200 |   | 6600  | 1400     | 6600 | 8100 | 380               | 1760 | 2400 | 1.9     | 8.1 | 11.0 | 3.75 |
|              |        | 2200                    | 2200 | 3300 |   | 7700  | 2200                 | 2200 | 3300 |   | 7700  | 1400     | 7700 | 9500 | 380               | 1830 | 2500 | 1.9     | 8.4 | 11.4 | 4.21 |
|              |        | 2200                    | 2200 | 4000 |   | 8400  | 2100                 | 2100 | 3800 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1920 | 2600 | 1.9     | 8.8 | 11.9 | 4.17 |
|              |        | 2200                    | 2200 | 6000 |   | 10400 | 1690                 | 1690 | 4620 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1960 | 2600 | 1.9     | 9.0 | 11.9 | 4.08 |
|              |        | 2200                    | 3300 | 3300 |   | 8800  | 2000                 | 3000 | 3000 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1880 | 2500 | 1.9     | 8.6 | 11.4 | 4.26 |
|              |        | 2200                    | 3300 | 4000 |   | 9500  | 1850                 | 2780 | 3370 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1910 | 2600 | 1.9     | 8.7 | 11.9 | 4.19 |
|              |        | 2200                    | 3300 | 6000 |   | 11500 | 1530                 | 2300 | 4170 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1920 | 2600 | 1.9     | 8.8 | 11.9 | 4.17 |
|              |        | 2200                    | 4000 | 4000 |   | 10200 | 1720                 | 3140 | 3140 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1960 | 2600 | 1.9     | 9.0 | 11.9 | 4.08 |
|              |        | 2200                    | 4000 | 6000 |   | 12200 | 1450                 | 2620 | 3930 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1950 | 2600 | 1.9     | 8.9 | 11.9 | 4.10 |
|              |        | 3300                    | 3300 | 3300 |   | 9900  | 2660                 | 2670 | 2670 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1930 | 2600 | 1.9     | 8.8 | 11.9 | 4.15 |
|              |        | 3300                    | 3300 | 4000 |   | 10600 | 2490                 | 2490 | 3020 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1910 | 2600 | 1.9     | 8.7 | 11.9 | 4.19 |
|              |        | 3300                    | 3300 | 6000 |   | 12600 | 2100                 | 2100 | 3800 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1950 | 2600 | 1.9     | 8.9 | 11.9 | 4.10 |
|              |        | 3300                    | 4000 | 4000 |   | 11300 | 2340                 | 2830 | 2830 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1930 | 2600 | 1.9     | 8.8 | 11.9 | 4.15 |
|              |        | 3300                    | 4000 | 6000 |   | 13300 | 1980                 | 2410 | 3610 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1980 | 2700 | 1.9     | 9.1 | 12.4 | 4.04 |
|              |        | 4000                    | 4000 | 4000 |   | 12000 | 2660                 | 2670 | 2670 |   | 8000  | 1400     | 8000 | 9800 | 380               | 1910 | 2600 | 1.9     | 8.7 | 11.9 | 4.19 |





# Capacity Combination



## COOLING

| COOLING      |        |                         |      |      |       |       |                      |      |      |      |       |          |      |      |                   |      |      |         |      |      |      |
|--------------|--------|-------------------------|------|------|-------|-------|----------------------|------|------|------|-------|----------|------|------|-------------------|------|------|---------|------|------|------|
| Outdoor unit |        | Indoor unit combination |      |      |       |       | Cooling Capacity (W) |      |      |      |       | Capacity |      |      | Power Consumption |      |      | Current |      |      | EER  |
|              |        | A                       | B    | C    | D     | Total | A                    | B    | C    | D    | Total | W        |      |      | W                 |      |      | A       |      |      |      |
|              |        |                         |      |      |       |       |                      |      |      |      |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |
| AU070FCJ4EH  | 1 Unit | 2000                    |      |      |       | 2000  | 2200                 |      |      |      | 2200  | 1350     | 2200 | 3000 | 380               | 780  | 950  | 1.7     | 3.6  | 4.3  | 2.82 |
|              |        | 2500                    |      |      |       | 2500  | 2500                 |      |      |      | 2500  | 1350     | 2500 | 3480 | 390               | 840  | 1100 | 1.8     | 3.8  | 5.0  | 2.98 |
|              |        | 3500                    |      |      |       | 3500  | 3500                 |      |      |      | 3500  | 1350     | 3500 | 4200 | 400               | 1130 | 1580 | 1.8     | 5.2  | 7.2  | 3.10 |
|              |        | 5000                    |      |      |       | 5000  | 4900                 |      |      |      | 4900  | 1400     | 4900 | 6240 | 420               | 1520 | 2160 | 1.9     | 7.0  | 9.9  | 3.22 |
|              | 2 Unit | 2000                    | 2000 |      |       | 4000  | 2000                 | 2000 |      |      | 4000  | 1500     | 4000 | 4800 | 410               | 1240 | 1490 | 1.9     | 5.7  | 6.8  | 3.23 |
|              |        | 2000                    | 2500 |      |       | 4500  | 2040                 | 2560 |      |      | 4600  | 1690     | 4600 | 5520 | 420               | 1430 | 1720 | 1.9     | 6.5  | 7.9  | 3.22 |
|              |        | 2000                    | 3500 |      |       | 5500  | 2000                 | 3500 |      |      | 5500  | 1770     | 5500 | 6600 | 430               | 1710 | 2050 | 2       | 7.8  | 9.4  | 3.22 |
|              |        | 2000                    | 5000 |      |       | 7000  | 2000                 | 5000 |      |      | 7000  | 1900     | 7000 | 8400 | 580               | 2180 | 2520 | 2.7     | 10.0 | 11.5 | 3.21 |
|              |        | 2500                    | 2500 |      |       | 5000  | 2600                 | 2600 |      |      | 5200  | 1750     | 5200 | 6240 | 420               | 1660 | 2000 | 1.9     | 7.6  | 9.2  | 3.13 |
|              |        | 2500                    | 3500 |      |       | 6000  | 2540                 | 3560 |      |      | 6100  | 1820     | 6100 | 7320 | 440               | 1880 | 2260 | 2       | 8.6  | 10.3 | 3.24 |
|              |        | 2500                    | 5000 |      |       | 7500  | 2330                 | 4670 |      |      | 7000  | 1900     | 7000 | 8400 | 580               | 2180 | 2540 | 2.7     | 10.0 | 11.6 | 3.21 |
|              |        | 3500                    | 3500 |      |       | 7000  | 3500                 | 3500 |      |      | 7000  | 1900     | 7000 | 8000 | 580               | 2490 | 2620 | 2.7     | 11.4 | 12.0 | 2.81 |
|              |        | 3500                    | 5000 |      |       | 8500  | 2880                 | 4120 |      |      | 7000  | 1900     | 7000 | 8900 | 580               | 2110 | 2540 | 2.7     | 9.7  | 11.6 | 3.32 |
|              |        | 5000                    | 5000 |      |       | 10000 | 3500                 | 3500 |      |      | 7000  | 1900     | 7000 | 8900 | 580               | 2000 | 2540 | 2.7     | 9.2  | 11.6 | 3.50 |
|              |        | 2000                    | 2000 | 2000 |       | 6000  | 2000                 | 2000 | 2000 |      | 6000  | 1810     | 6000 | 7200 | 440               | 1800 | 2280 | 2       | 8.2  | 10.4 | 3.33 |
|              |        | 2000                    | 2000 | 2500 |       | 6500  | 2030                 | 2030 | 2540 |      | 6600  | 1870     | 6600 | 7920 | 440               | 1830 | 2460 | 2       | 8.4  | 11.3 | 3.61 |
|              | 2000   | 2000                    | 3500 |      | 7500  | 1780  | 1780                 | 3120 |      | 6680 | 1900  | 6680     | 8020 | 580  | 1835              | 2410 | 2.7  | 8.4     | 11.0 | 3.64 |      |
|              | 2000   | 2000                    | 5000 |      | 9000  | 1560  | 1560                 | 3880 |      | 7000 | 1900  | 7000     | 8900 | 580  | 1850              | 2460 | 2.7  | 8.5     | 11.3 | 3.78 |      |
|              | 2000   | 2500                    | 2500 |      | 7000  | 1910  | 2370                 | 2370 |      | 6650 | 1900  | 6650     | 7980 | 580  | 1830              | 2410 | 2.7  | 8.4     | 11.0 | 3.63 |      |
|              | 2000   | 2500                    | 3500 |      | 8000  | 1690  | 2110                 | 2940 |      | 6740 | 1900  | 6740     | 8080 | 580  | 1840              | 2460 | 2.7  | 8.4     | 11.3 | 3.66 |      |
|              | 3 Unit | 2000                    | 2500 | 5000 |       | 9500  | 1480                 | 1840 | 3680 |      | 7000  | 1900     | 7000 | 8900 | 580               | 1880 | 2460 | 2.7     | 8.6  | 11.3 | 3.72 |
|              |        | 2000                    | 3500 | 3500 |       | 9000  | 1520                 | 2650 | 2650 |      | 6820  | 1900     | 6820 | 8180 | 580               | 1850 | 2510 | 2.7     | 8.5  | 11.5 | 3.69 |
|              |        | 2000                    | 3500 | 5000 |       | 10500 | 1340                 | 2330 | 3330 |      | 7000  | 1900     | 7000 | 8900 | 580               | 1930 | 2510 | 2.7     | 8.8  | 11.5 | 3.63 |
|              |        | 2500                    | 2500 | 2500 |       | 7500  | 2240                 | 2240 | 2240 |      | 6720  | 1900     | 6720 | 8050 | 580               | 1840 | 2420 | 2.7     | 8.4  | 11.1 | 3.65 |
|              |        | 2500                    | 2500 | 3500 |       | 8500  | 2000                 | 2000 | 2790 |      | 6790  | 1900     | 6790 | 8150 | 580               | 1850 | 2460 | 2.7     | 8.5  | 11.3 | 3.67 |
|              |        | 2500                    | 2500 | 5000 |       | 10000 | 1750                 | 1750 | 3500 |      | 7000  | 1900     | 7000 | 8900 | 580               | 1880 | 2510 | 2.7     | 8.6  | 11.5 | 3.72 |
|              |        | 2500                    | 3500 | 3500 |       | 9500  | 1840                 | 2580 | 2580 |      | 7000  | 1900     | 7000 | 8900 | 580               | 1880 | 2460 | 2.7     | 8.6  | 11.3 | 3.72 |
|              |        | 3500                    | 3500 | 3500 |       | 10500 | 2330                 | 2330 | 2330 |      | 6990  | 1900     | 6990 | 8900 | 580               | 1900 | 2510 | 2.7     | 8.7  | 11.5 | 3.68 |
| 4 Unit       |        | 2000                    | 2000 | 2000 | 2000  | 8000  | 1680                 | 1680 | 1680 | 1680 | 6720  | 1900     | 6720 | 8070 | 580               | 1850 | 2460 | 2.7     | 8.5  | 11.3 | 3.63 |
|              |        | 2000                    | 2000 | 2000 | 2500  | 8500  | 1600                 | 1600 | 1600 | 1980 | 6780  | 1900     | 6780 | 8140 | 580               | 1880 | 2460 | 2.7     | 8.6  | 11.3 | 3.61 |
|              |        | 2000                    | 2000 | 2000 | 3500  | 9500  | 1470                 | 1470 | 1470 | 2590 | 7000  | 1900     | 7000 | 8900 | 580               | 1900 | 2460 | 2.7     | 8.7  | 11.3 | 3.68 |
|              |        | 2000                    | 2000 | 2500 | 2500  | 9000  | 1560                 | 1560 | 1940 | 1940 | 7000  | 1900     | 7000 | 8900 | 580               | 1880 | 2460 | 2.7     | 8.6  | 11.3 | 3.72 |
|              | 2000   | 2000                    | 2500 | 3500 | 10000 | 1400  | 1400                 | 1750 | 2450 | 7000 | 1900  | 7000     | 8900 | 580  | 1900              | 2510 | 2.7  | 8.7     | 11.5 | 3.68 |      |
|              | 2000   | 2500                    | 2500 | 2500 | 9500  | 1480  | 1840                 | 1840 | 1840 | 7000 | 1900  | 7000     | 8900 | 580  | 1900              | 2460 | 2.7  | 8.7     | 11.3 | 3.68 |      |
|              | 2000   | 2500                    | 2500 | 3500 | 10500 | 1330  | 1670                 | 1670 | 2330 | 7000 | 1900  | 7000     | 8900 | 580  | 1930              | 2550 | 2.7  | 8.8     | 11.7 | 3.63 |      |
|              | 2500   | 2500                    | 2500 | 2500 | 10000 | 1750  | 1750                 | 1750 | 1750 | 7000 | 1900  | 7000     | 8900 | 580  | 1900              | 2550 | 2.7  | 8.7     | 11.7 | 3.68 |      |

## HEATING

| HEATING      |        |                         |      |       |       |       |                      |      |      |      |       |          |       |       |                   |      |      |         |      |      |      |
|--------------|--------|-------------------------|------|-------|-------|-------|----------------------|------|------|------|-------|----------|-------|-------|-------------------|------|------|---------|------|------|------|
| Outdoor unit |        | Indoor unit combination |      |       |       |       | Heating Capacity (W) |      |      |      |       | Capacity |       |       | Power Consumption |      |      | Current |      |      | COP  |
|              |        |                         |      |       |       |       |                      |      |      |      |       | W        |       |       | W                 |      |      | A       |      |      |      |
|              |        | A                       | B    | C     | D     | Total | A                    | B    | C    | D    | Total | MIN      | NOM   | MAX   | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |
| AUJ70FCJ4EH  | 1 Unit | 2200                    |      |       |       | 2200  | 2200                 |      |      |      | 2200  | 1790     | 2200  | 3220  | 580               | 950  | 1330 | 2.7     | 4.3  | 6.1  | 2.32 |
|              |        | 3300                    |      |       |       | 3300  | 3300                 |      |      |      | 3300  | 1820     | 3300  | 3680  | 590               | 1150 | 1500 | 2.7     | 5.3  | 6.9  | 2.87 |
|              |        | 4000                    |      |       |       | 4000  | 4000                 |      |      |      | 4000  | 1930     | 4000  | 4600  | 600               | 1300 | 1810 | 2.7     | 5.9  | 8.3  | 3.08 |
|              |        | 6000                    |      |       |       | 6000  | 6000                 |      |      |      | 6000  | 2080     | 6000  | 6440  | 610               | 1750 | 2370 | 2.8     | 8.0  | 10.8 | 3.43 |
|              | 2 Unit | 2200                    | 2200 |       |       | 4400  | 2200                 | 2200 |      |      | 4400  | 1980     | 4400  | 5060  | 600               | 1220 | 1530 | 2.7     | 5.6  | 7.0  | 3.61 |
|              |        | 2200                    | 3300 |       |       | 5500  | 2040                 | 3060 |      |      | 5100  | 2040     | 5100  | 5870  | 610               | 1410 | 1700 | 2.8     | 6.5  | 7.8  | 3.62 |
|              |        | 2200                    | 4000 |       |       | 6200  | 2130                 | 3870 |      |      | 6000  | 2110     | 6000  | 6900  | 610               | 1760 | 2110 | 2.8     | 8.1  | 9.7  | 3.41 |
|              |        | 2200                    | 6000 |       |       | 8200  | 2090                 | 5710 |      |      | 7800  | 2200     | 7800  | 9130  | 620               | 2160 | 2700 | 2.8     | 9.9  | 12.4 | 3.61 |
|              |        | 3300                    | 3300 |       |       | 6600  | 2900                 | 2900 |      |      | 5800  | 2100     | 5800  | 6670  | 610               | 1600 | 1930 | 2.8     | 7.3  | 8.8  | 3.63 |
|              |        | 3300                    | 4000 |       |       | 7300  | 3030                 | 3670 |      |      | 6700  | 2170     | 6700  | 8040  | 610               | 1940 | 2330 | 2.8     | 8.9  | 10.7 | 3.45 |
|              |        | 3300                    | 6000 |       |       | 9300  | 2770                 | 5030 |      |      | 7800  | 2200     | 7800  | 9600  | 620               | 2160 | 2650 | 2.8     | 9.9  | 12.1 | 3.61 |
|              |        | 4000                    | 4000 |       |       | 8000  | 3800                 | 3800 |      |      | 7600  | 2200     | 7600  | 9120  | 620               | 2180 | 2510 | 2.8     | 10.0 | 11.5 | 3.49 |
|              | 4000   | 6000                    |      |       | 10000 | 3250  | 4870                 |      |      | 8120 | 2200  | 8120     | 9740  | 620   | 2250              | 2700 | 2.8  | 10.3    | 12.4 | 3.61 |      |
|              | 6000   | 6000                    |      |       | 12000 | 4250  | 4250                 |      |      | 8500 | 2200  | 8500     | 10200 | 620   | 2250              | 2740 | 2.8  | 10.3    | 12.5 | 3.78 |      |
|              | 3 Unit | 2200                    | 2200 | 2200  |       | 6600  | 2200                 | 2200 | 2200 |      | 6600  | 2170     | 6600  | 7590  | 610               | 1830 | 2530 | 2.8     | 8.4  | 11.6 | 3.61 |
|              |        | 2200                    | 2200 | 3300  |       | 7700  | 2090                 | 2090 | 3120 |      | 7300  | 2200     | 7300  | 8400  | 620               | 1880 | 2590 | 2.8     | 8.6  | 11.9 | 3.88 |
|              |        | 2200                    | 2200 | 4000  |       | 8400  | 2150                 | 2150 | 3900 |      | 8200  | 2200     | 8200  | 9590  | 620               | 1930 | 2660 | 2.8     | 8.8  | 12.2 | 4.25 |
|              |        | 2200                    | 2200 | 6000  |       | 10400 | 1820                 | 1820 | 4960 |      | 8600  | 2200     | 8600  | 10300 | 620               | 1960 | 2700 | 2.8     | 9.0  | 12.4 | 4.39 |
|              |        | 2200                    | 3300 | 3300  |       | 8800  | 2000                 | 3000 | 3000 |      | 8000  | 2200     | 8000  | 9360  | 620               | 1900 | 2620 | 2.8     | 8.7  | 12.0 | 4.21 |
|              |        | 2200                    | 3300 | 4000  |       | 9500  | 1910                 | 2870 | 3480 |      | 8260  | 2200     | 8260  | 9670  | 620               | 1930 | 2660 | 2.8     | 8.8  | 12.2 | 4.28 |
|              |        | 2200                    | 3300 | 6000  |       | 11500 | 1650                 | 2470 | 4480 |      | 8600  | 2200     | 8600  | 10300 | 620               | 1970 | 2720 | 2.8     | 9.0  | 12.4 | 4.37 |
|              |        | 2200                    | 4000 | 4000  |       | 10200 | 1800                 | 3270 | 3270 |      | 8340  | 2200     | 8340  | 9760  | 620               | 1950 | 2690 | 2.8     | 8.9  | 12.3 | 4.28 |
|              |        | 2200                    | 4000 | 6000  |       | 12200 | 1550                 | 2820 | 4230 |      | 8600  | 2200     | 8600  | 10300 | 620               | 2000 | 2760 | 2.8     | 9.2  | 12.6 | 4.30 |
|              |        | 3300                    | 3300 | 3300  |       | 9900  | 2750                 | 2750 | 2750 |      | 8250  | 2200     | 8250  | 9650  | 620               | 1930 | 2660 | 2.8     | 8.8  | 12.2 | 4.27 |
| 3300         |        | 3300                    | 4000 |       | 10600 | 2600  | 2600                 | 3130 |      | 8330 | 2200  | 8330     | 9740  | 620   | 1950              | 2690 | 2.8  | 8.9     | 12.3 | 4.27 |      |
| 3300         |        | 3300                    | 6000 |       | 12600 | 2250  | 2250                 | 4100 |      | 8600 | 2200  | 8600     | 10300 | 620   | 1980              | 2730 | 2.8  | 9.1     | 12.5 | 4.34 |      |
| 3300         | 4000   | 4000                    |      | 11300 | 2520  | 3040  | 3040                 |      | 8600 | 2200 | 8600  | 10300    | 620   | 1980  | 2730              | 2.8  | 9.1  | 12.5    | 4.34 |      |      |
| 4000         | 4000   | 4000                    |      | 12000 | 2860  | 2870  | 2870                 |      | 8600 | 2200 | 8600  | 10300    | 620   | 2000  | 2760              | 2.8  | 9.2  | 12.6    | 4.30 |      |      |
| 4 Unit       | 2200   | 2200                    | 2200 | 2200  | 8800  | 2060  | 2060                 | 2060 | 2070 | 8250 | 2200  | 8250     | 9660  | 620   | 1930              | 2660 | 2.8  | 8.8     | 12.2 | 4.27 |      |
|              | 2200   | 2200                    | 2200 | 3300  | 9900  | 1850  | 1850                 | 1850 | 2770 | 8320 | 2200  | 8320     | 9730  | 620   | 1950              | 2690 | 2.8  | 8.9     | 12.3 | 4.27 |      |
|              | 2200   | 2200                    | 2200 | 4000  | 10600 | 1790  | 1790                 | 1790 | 3230 | 8600 | 2200  | 8600     | 10300 | 620   | 2000              | 2760 | 2.8  | 9.2     | 12.6 | 4.30 |      |
|              | 2200   | 2200                    | 3300 | 3300  | 11000 | 1720  | 1720                 | 2580 | 2580 | 8600 | 2200  | 8600     | 10300 | 620   | 1970              | 2720 | 2.8  | 9.0     | 12.4 | 4.37 |      |
|              | 2200   | 2200                    | 3300 | 4000  | 11700 | 1620  | 1620                 | 2430 | 2930 | 8600 | 2200  | 8600     | 10300 | 620   | 2000              | 2760 | 2.8  | 9.2     | 12.6 | 4.30 |      |
|              | 2200   | 3300                    | 3300 | 3300  | 12100 | 1550  | 2350                 | 2350 | 2350 | 8600 | 2200  | 8600     | 10300 | 620   | 2000              | 2760 | 2.8  | 9.2     | 12.6 | 4.30 |      |
|              | 2200   | 3300                    | 3300 | 4000  | 12800 | 1480  | 2220                 | 2220 | 2680 | 8600 | 2200  | 8600     | 10300 | 620   | 2000              | 2760 | 2.8  | 9.2     | 12.6 | 4.30 |      |
|              | 3300   | 3300                    | 3300 | 3300  | 13200 | 2150  | 2150                 | 2150 | 2150 | 8600 | 2200  | 8600     | 10300 | 620   | 2000              | 2760 | 2.8  | 9.2     | 12.6 | 4.30 |      |



## COOLING

| Outdoor unit |        | Indoor unit combination |      |      |       |       | Cooling Capacity (W) |      |      |      |       | Capacity |      |      | Power Consumption |      |      | Current |      |      | EER  |
|--------------|--------|-------------------------|------|------|-------|-------|----------------------|------|------|------|-------|----------|------|------|-------------------|------|------|---------|------|------|------|
|              |        | A                       | B    | C    | D     | Total | A                    | B    | C    | D    | Total | W        |      |      | W                 |      |      | A       |      |      |      |
|              |        |                         |      |      |       |       |                      |      |      |      |       | MIN      | NOM  | MAX  | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |
| AJ080FC-MEH  | 1 Unit | 2000                    |      |      |       | 2000  | 2200                 |      |      |      | 2200  | 1470     | 2200 | 3000 | 3800              | 780  | 950  | 1.7     | 3.6  | 4.3  | 2.82 |
|              |        | 2500                    |      |      |       | 2500  | 2500                 |      |      |      | 2500  | 1520     | 2500 | 3480 | 390               | 840  | 1100 | 1.8     | 3.8  | 5.0  | 2.98 |
|              |        | 3500                    |      |      |       | 3500  | 3500                 |      |      |      | 3500  | 1600     | 3500 | 4200 | 400               | 1130 | 1580 | 1.8     | 5.2  | 7.2  | 3.10 |
|              |        | 5000                    |      |      |       | 5000  | 4900                 |      |      |      | 4900  | 1750     | 4900 | 6240 | 420               | 1520 | 2160 | 1.9     | 7.0  | 9.9  | 3.22 |
|              |        | 6800                    |      |      |       | 6800  | 6000                 |      |      |      | 6000  | 1900     | 6000 | 8000 | 580               | 1990 | 2800 | 2.7     | 9.1  | 12.8 | 3.02 |
|              | 2 Unit | 2000                    | 2000 |      |       | 4000  | 2000                 | 2000 |      |      | 4000  | 1640     | 4000 | 4800 | 410               | 1240 | 1490 | 1.9     | 5.7  | 6.8  | 3.23 |
|              |        | 2000                    | 2500 |      |       | 4500  | 2040                 | 2560 |      |      | 4600  | 1690     | 4600 | 5520 | 420               | 1430 | 1720 | 1.9     | 6.5  | 7.9  | 3.22 |
|              |        | 2000                    | 3500 |      |       | 5500  | 2000                 | 3500 |      |      | 5500  | 1770     | 5500 | 6600 | 430               | 1710 | 2050 | 2       | 7.8  | 9.4  | 3.22 |
|              |        | 2000                    | 5000 |      |       | 7000  | 2060                 | 5140 |      |      | 7200  | 1900     | 7200 | 8640 | 580               | 2240 | 2690 | 2.7     | 10.3 | 12.3 | 3.21 |
|              |        | 2000                    | 6800 |      |       | 8800  | 1690                 | 5760 |      |      | 7450  | 1900     | 7450 | 8640 | 580               | 2350 | 2730 | 2.7     | 10.8 | 12.5 | 3.17 |
|              |        | 2500                    | 2500 |      |       | 5000  | 2600                 | 2600 |      |      | 5200  | 1750     | 5200 | 6240 | 420               | 1660 | 2000 | 1.9     | 7.6  | 9.2  | 3.13 |
|              |        | 2500                    | 3500 |      |       | 6000  | 2540                 | 3560 |      |      | 6100  | 1820     | 6100 | 7320 | 440               | 1900 | 2260 | 2       | 8.7  | 10.3 | 3.21 |
|              |        | 2500                    | 5000 |      |       | 7500  | 2400                 | 4800 |      |      | 7200  | 1900     | 7200 | 8640 | 580               | 2240 | 2690 | 2.7     | 10.3 | 12.3 | 3.21 |
|              |        | 2500                    | 6800 |      |       | 9300  | 2030                 | 5520 |      |      | 7550  | 1900     | 7550 | 8760 | 580               | 2380 | 2760 | 2.7     | 10.9 | 12.6 | 3.17 |
|              |        | 3500                    | 3500 |      |       | 7000  | 3500                 | 3500 |      |      | 7000  | 1900     | 7000 | 8000 | 580               | 2490 | 2620 | 2.7     | 11.4 | 12.0 | 2.81 |
|              |        | 3500                    | 5000 |      |       | 8500  | 3030                 | 4320 |      |      | 7350  | 1900     | 7350 | 8820 | 580               | 2290 | 2750 | 2.7     | 10.5 | 12.6 | 3.21 |
|              |        | 3500                    | 6800 |      |       | 10300 | 2620                 | 5080 |      |      | 7700  | 1900     | 7700 | 8930 | 580               | 2400 | 2780 | 2.7     | 11.0 | 12.7 | 3.21 |
|              |        | 5000                    | 5000 |      |       | 10000 | 3830                 | 3830 |      |      | 7660  | 1900     | 7660 | 9180 | 580               | 2380 | 2860 | 2.7     | 10.9 | 13.1 | 3.22 |
|              |        | 5000                    | 6800 |      |       | 11800 | 3310                 | 4490 |      |      | 7800  | 1900     | 7800 | 8970 | 580               | 2430 | 2820 | 2.7     | 11.1 | 12.9 | 3.21 |
|              |        | 3 Unit                  | 2000 | 2000 | 2000  |       | 6000                 | 2000 | 2000 | 2000 |       | 6000     | 1810 | 6000 | 7200              | 440  | 1850 | 2310    | 2    | 8.5  | 10.6 |
|              | 2000   |                         | 2000 | 2500 |       | 6500  | 2030                 | 2030 | 2540 |      | 6600  | 1870     | 6600 | 7920 | 440               | 2000 | 2500 | 2       | 9.2  | 11.4 | 3.30 |
|              | 2000   |                         | 2000 | 3500 |       | 7500  | 2000                 | 2000 | 3500 |      | 7500  | 1900     | 7500 | 9000 | 580               | 2220 | 2780 | 2.7     | 10.2 | 12.7 | 3.38 |
|              | 2000   |                         | 2000 | 5000 |       | 9000  | 1700                 | 1700 | 4250 |      | 7650  | 1900     | 7650 | 9180 | 580               | 2190 | 2730 | 2.7     | 10.0 | 12.5 | 3.49 |
|              | 2000   |                         | 2000 | 6800 |       | 10800 | 1480                 | 1480 | 5040 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2270 | 2870 | 2.7     | 10.4 | 13.1 | 3.52 |
|              | 2000   |                         | 2500 | 2500 |       | 7000  | 2060                 | 2570 | 2570 |      | 7200  | 1900     | 7200 | 8640 | 580               | 2150 | 2680 | 2.7     | 9.8  | 12.3 | 3.35 |
|              | 2000   |                         | 2500 | 3500 |       | 8000  | 1890                 | 2360 | 3300 |      | 7550  | 1900     | 7550 | 9060 | 580               | 2150 | 2690 | 2.7     | 9.8  | 12.3 | 3.51 |
|              | 2000   |                         | 2500 | 5000 |       | 9500  | 1620                 | 2030 | 4060 |      | 7710  | 1900     | 7710 | 9250 | 580               | 2190 | 2730 | 2.7     | 10.0 | 12.5 | 3.52 |
|              | 2000   |                         | 2500 | 6800 |       | 11300 | 1420                 | 1770 | 4810 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2270 | 2870 | 2.7     | 10.4 | 13.1 | 3.52 |
|              | 2000   |                         | 3500 | 3500 |       | 9000  | 1700                 | 2970 | 2970 |      | 7640  | 1900     | 7640 | 9160 | 580               | 2190 | 2730 | 2.7     | 10.0 | 12.5 | 3.49 |
|              | 2000   |                         | 3500 | 5000 |       | 10500 | 1520                 | 2670 | 3810 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2260 | 2820 | 2.7     | 10.3 | 12.9 | 3.54 |
|              | 2000   |                         | 5000 | 5000 |       | 12000 | 1340                 | 3330 | 3330 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2300 | 2910 | 2.7     | 10.5 | 13.3 | 3.48 |
|              | 2500   |                         | 2500 | 2500 |       | 7500  | 2510                 | 2510 | 2510 |      | 7530  | 1900     | 7530 | 9030 | 580               | 2110 | 2640 | 2.7     | 9.7  | 12.1 | 3.57 |
|              | 2500   |                         | 2500 | 3500 |       | 8500  | 2240                 | 2240 | 3130 |      | 7610  | 1900     | 7610 | 9130 | 580               | 2140 | 2690 | 2.7     | 9.8  | 12.3 | 3.56 |
|              | 2500   |                         | 2500 | 5000 |       | 10000 | 1940                 | 1940 | 3880 |      | 7760  | 1900     | 7760 | 9300 | 580               | 2210 | 2780 | 2.7     | 10.1 | 12.7 | 3.51 |
|              | 2500   |                         | 2500 | 6800 |       | 11800 | 1690                 | 1690 | 4620 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2300 | 2910 | 2.7     | 10.5 | 13.3 | 3.48 |
|              | 2500   |                         | 3500 | 3500 |       | 9500  | 2030                 | 2830 | 2830 |      | 7690  | 1900     | 7690 | 9230 | 580               | 2180 | 2730 | 2.7     | 10.0 | 12.5 | 3.53 |
|              | 2500   |                         | 3500 | 5000 |       | 11000 | 1820                 | 2550 | 3630 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2260 | 2870 | 2.7     | 10.3 | 13.1 | 3.54 |
|              | 3500   |                         | 3500 | 3500 |       | 10500 | 2670                 | 2670 | 2660 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2260 | 2820 | 2.7     | 10.3 | 12.9 | 3.54 |
|              | 3500   |                         | 3500 | 5000 |       | 12000 | 2340                 | 2340 | 3320 |      | 8000  | 1900     | 8000 | 9300 | 580               | 2300 | 2910 | 2.7     | 10.5 | 13.3 | 3.48 |
|              | 4 Unit | 2000                    | 2000 | 2000 | 2000  | 8000  | 1890                 | 1890 | 1890 | 1890 | 7560  | 1900     | 7560 | 9050 | 580               | 2140 | 2690 | 2.7     | 9.8  | 12.3 | 3.53 |
|              |        | 2000                    | 2000 | 2000 | 2500  | 8500  | 1790                 | 1790 | 1790 | 2230 | 7600  | 1900     | 7600 | 9120 | 580               | 2140 | 2690 | 2.7     | 9.8  | 12.3 | 3.55 |
|              |        | 2000                    | 2000 | 2000 | 3500  | 9500  | 1620                 | 1620 | 1620 | 2820 | 7680  | 1900     | 7680 | 9220 | 580               | 2180 | 2730 | 2.7     | 10.0 | 12.5 | 3.52 |
|              |        | 2000                    | 2000 | 2000 | 5000  | 11000 | 1450                 | 1450 | 1450 | 3650 | 8000  | 1900     | 8000 | 9300 | 580               | 2300 | 2870 | 2.7     | 10.5 | 13.1 | 3.48 |
|              |        | 2000                    | 2000 | 2500 | 2500  | 9000  | 1700                 | 1700 | 2130 | 2130 | 7660  | 1900     | 7660 | 9180 | 580               | 2190 | 2730 | 2.7     | 10.0 | 12.5 | 3.50 |
|              |        | 2000                    | 2000 | 2500 | 3500  | 10000 | 1550                 | 1550 | 1930 | 2700 | 7730  | 1900     | 7730 | 9280 | 580               | 2200 | 2780 | 2.7     | 10.1 | 12.7 | 3.51 |
|              |        | 2000                    | 2000 | 2500 | 5000  | 11500 | 1390                 | 1390 | 1740 | 3480 | 8000  | 1900     | 8000 | 9300 | 580               | 2300 | 2870 | 2.7     | 10.5 | 13.1 | 3.48 |
|              |        | 2000                    | 2000 | 3500 | 3500  | 11000 | 1450                 | 1450 | 2550 | 2550 | 8000  | 1900     | 8000 | 9300 | 580               | 2280 | 2870 | 2.7     | 10.4 | 13.1 | 3.51 |
|              |        | 2000                    | 2500 | 2500 | 2500  | 9500  | 1620                 | 2030 | 2030 | 2030 | 7710  | 1900     | 7710 | 9250 | 580               | 2190 | 2730 | 2.7     | 10.0 | 12.5 | 3.52 |
|              |        | 2000                    | 2500 | 2500 | 3500  | 10500 | 1530                 | 1900 | 1900 | 2670 | 8000  | 1900     | 8000 | 9300 | 580               | 2260 | 2820 | 2.7     | 10.3 | 12.9 | 3.54 |
|              |        | 2000                    | 2500 | 2500 | 5000  | 12000 | 1330                 | 1670 | 1670 | 3330 | 8000  | 1900     | 8000 | 9300 | 580               | 2300 | 2910 | 2.7     | 10.5 | 13.3 | 3.48 |
| 2000         |        | 2500                    | 3500 | 3500 | 11500 | 1400  | 1740                 | 2430 | 2430 | 8000 | 1900  | 8000     | 9300 | 580  | 2300              | 2870 | 2.7  | 10.5    | 13.1 | 3.48 |      |
| 2500         |        | 2500                    | 2500 | 2500 | 10000 | 1940  | 1940                 | 1940 | 1940 | 7760 | 1900  | 7760     | 9300 | 580  | 2220              | 2780 | 2.7  | 10.2    | 12.7 | 3.50 |      |
| 2500         |        | 2500                    | 2500 | 3500 | 11000 | 1820  | 1820                 | 1820 | 2540 | 8000 | 1900  | 8000     | 9300 | 580  | 2300              | 2870 | 2.7  | 10.5    | 13.1 | 3.48 |      |
| 2500         |        | 2500                    | 3500 | 3500 | 12000 | 1670  | 1670                 | 2330 | 2330 | 8000 | 1900  | 8000     | 9300 | 580  | 2300              | 2910 | 2.7  | 10.5    | 13.3 | 3.48 |      |

1. Cooling capacity is based on 27°CDB / 19°CWB (indoor temperature), 35°CDB (outdoor temperature).
2. The above is the value for connecting with the following indoor units.  
- 2000, 2500, 3500, 5000, 6800W class: Wall Mounted [only for AR\*\*FSSDWUN, AR\*\*FSPSEBN, AR\*\*FSPDGMN]
3. Capacities are based on the following conditions:  
- Corresponding refrigerant piping length : 5m / Level difference : 0m
4. The total ability of connected a indoor unit is up to 12.0 kW (@ Cooling)
5. It is impossible to connect the indoor unit for one room only.
6. Power consumption include indoor unit power.

## HEATING

| Outdoor unit |        | Indoor unit combination |      |      |       |       | Heating Capacity (W) |      |      |      |       | Capacity |      |       | Power Consumption |      |      | Current |      |      | COP  |      |
|--------------|--------|-------------------------|------|------|-------|-------|----------------------|------|------|------|-------|----------|------|-------|-------------------|------|------|---------|------|------|------|------|
|              |        | A                       | B    | C    | D     | Total | A                    | B    | C    | D    | Total | W        |      |       | W                 |      |      | A       |      |      |      |      |
|              |        |                         |      |      |       |       |                      |      |      |      |       | MIN      | NOM  | MAX   | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |      |
| AJ080FC4EH   | 1 Unit | 2200                    |      |      |       | 2200  | 2200                 |      |      |      | 2200  | 1790     | 2200 | 3220  | 580               | 950  | 1330 | 2.7     | 4.3  | 6.1  | 2.32 |      |
|              |        | 3300                    |      |      |       | 3300  | 3300                 |      |      |      | 3300  | 1820     | 3300 | 3680  | 590               | 1150 | 1500 | 2.7     | 5.3  | 6.9  | 2.87 |      |
|              |        | 4000                    |      |      |       | 4000  | 4000                 |      |      |      | 4000  | 1930     | 4000 | 4600  | 600               | 1300 | 1810 | 2.7     | 5.9  | 8.3  | 3.08 |      |
|              |        | 6000                    |      |      |       | 6000  | 6000                 |      |      |      | 6000  | 2080     | 6000 | 6440  | 610               | 1750 | 2370 | 2.8     | 8.0  | 10.8 | 3.43 |      |
|              |        | 7800                    |      |      |       | 7800  | 7800                 |      |      |      | 7800  | 2200     | 7800 | 8450  | 620               | 2250 | 2550 | 2.8     | 10.3 | 11.7 | 3.47 |      |
|              | 2 Unit | 2200                    | 2200 |      |       | 4400  | 2200                 | 2200 |      |      |       | 4400     | 1980 | 4400  | 5060              | 600  | 1220 | 1530    | 2.7  | 5.6  | 7.0  | 3.61 |
|              |        | 2200                    | 3300 |      |       | 5500  | 2040                 | 3060 |      |      |       | 5100     | 2040 | 5100  | 5870              | 610  | 1410 | 1710    | 2.8  | 6.5  | 7.8  | 3.62 |
|              |        | 2200                    | 4000 |      |       | 6200  | 2130                 | 3870 |      |      |       | 6000     | 2110 | 6000  | 6900              | 610  | 1760 | 2100    | 2.8  | 8.1  | 9.7  | 3.41 |
|              |        | 2200                    | 6000 |      |       | 8200  | 2090                 | 5710 |      |      |       | 7800     | 2200 | 7800  | 9130              | 620  | 2160 | 2580    | 2.8  | 9.9  | 11.8 | 3.61 |
|              |        | 2200                    | 7800 |      |       | 10000 | 1790                 | 6330 |      |      |       | 8120     | 2200 | 8120  | 9300              | 620  | 2250 | 2600    | 2.8  | 10.3 | 11.9 | 3.61 |
|              |        | 3300                    | 3300 |      |       | 6600  | 2900                 | 2900 |      |      |       | 5800     | 2100 | 5800  | 6670              | 610  | 1600 | 1930    | 2.8  | 7.3  | 8.8  | 3.63 |
|              |        | 3300                    | 4000 |      |       | 7300  | 3030                 | 3670 |      |      |       | 6700     | 2170 | 6700  | 7710              | 610  | 1940 | 2330    | 2.8  | 8.9  | 10.7 | 3.45 |
|              |        | 3300                    | 6000 |      |       | 9300  | 2770                 | 5030 |      |      |       | 7800     | 2200 | 7800  | 9360              | 620  | 2160 | 2660    | 2.8  | 9.9  | 11.9 | 3.61 |
|              |        | 3300                    | 7800 |      |       | 11100 | 2480                 | 5870 |      |      |       | 8350     | 2200 | 8350  | 9600              | 620  | 2340 | 2700    | 2.8  | 10.7 | 12.4 | 3.57 |
|              |        | 4000                    | 4000 |      |       | 8000  | 3800                 | 3800 |      |      |       | 7600     | 2200 | 7600  | 8740              | 620  | 2180 | 2510    | 2.8  | 10.0 | 11.5 | 3.49 |
|              |        | 4000                    | 6000 |      |       | 10000 | 3250                 | 4870 |      |      |       | 8120     | 2200 | 8120  | 9500              | 620  | 2250 | 2650    | 2.8  | 10.3 | 12.1 | 3.61 |
|              |        | 4000                    | 7800 |      |       | 11800 | 2860                 | 5590 |      |      |       | 8450     | 2200 | 8450  | 9700              | 620  | 2380 | 2700    | 2.8  | 10.9 | 12.4 | 3.55 |
|              |        | 6000                    | 6000 |      |       | 12000 | 4250                 | 4250 |      |      |       | 8500     | 2200 | 8500  | 9950              | 620  | 2340 | 2750    | 2.8  | 10.7 | 12.6 | 3.63 |
|              |        | 6000                    | 7800 |      |       | 13800 | 3760                 | 4890 |      |      |       | 8650     | 2200 | 8650  | 9900              | 620  | 2420 | 2800    | 2.8  | 11.1 | 12.8 | 3.57 |
|              |        | 3 Unit                  | 2200 | 2200 | 2200  |       | 6600                 | 2200 | 2200 |      | 2200  |          | 6600 | 2170  | 6600              | 7590 | 610  | 1830    | 2220 | 2.8  | 8.4  | 10.2 |
|              | 2200   |                         | 2200 | 3300 |       | 7700  | 2090                 | 2090 |      | 3120 |       | 7300     | 2200 | 7300  | 8400              | 620  | 1950 | 2340    | 2.8  | 8.9  | 10.7 | 3.74 |
|              | 2200   |                         | 2200 | 4000 |       | 8400  | 2150                 | 2150 |      | 3900 |       | 8200     | 2200 | 8200  | 9590              | 620  | 2150 | 2570    | 2.8  | 9.8  | 11.8 | 3.81 |
|              | 2200   |                         | 2200 | 6000 |       | 10400 | 1820                 | 1820 |      | 4980 |       | 8620     | 2200 | 8620  | 10090             | 620  | 2140 | 2610    | 2.8  | 9.8  | 11.9 | 4.03 |
|              | 2200   |                         | 2200 | 7800 |       | 12200 | 1580                 | 1580 |      | 5590 |       | 8750     | 2200 | 8750  | 10500             | 620  | 2150 | 2750    | 2.8  | 9.8  | 12.6 | 4.07 |
|              | 2200   |                         | 3300 | 3300 |       | 8800  | 2000                 | 3000 |      | 3000 |       | 8000     | 2200 | 8000  | 9360              | 620  | 2080 | 2500    | 2.8  | 9.5  | 11.4 | 3.85 |
|              | 2200   |                         | 3300 | 4000 |       | 9500  | 1980                 | 2960 |      | 3590 |       | 8530     | 2200 | 8530  | 9980              | 620  | 2100 | 2690    | 2.8  | 9.6  | 12.3 | 4.06 |
|              | 2200   |                         | 3300 | 6000 |       | 11500 | 1660                 | 2490 |      | 4530 |       | 8680     | 2200 | 8680  | 10150             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.06 |
|              | 2200   |                         | 3300 | 7800 |       | 13300 | 1540                 | 2310 |      | 5450 |       | 9300     | 2200 | 9300  | 10900             | 620  | 2250 | 2820    | 2.8  | 10.3 | 12.9 | 4.13 |
|              | 2200   |                         | 4000 | 4000 |       | 10200 | 1860                 | 3370 |      | 3370 |       | 8600     | 2200 | 8600  | 10070             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.02 |
|              | 2200   |                         | 4000 | 6000 |       | 12200 | 1580                 | 2870 |      | 4300 |       | 8750     | 2200 | 8750  | 10500             | 620  | 2150 | 2750    | 2.8  | 9.8  | 12.6 | 4.07 |
|              | 2200   |                         | 6000 | 6000 |       | 14200 | 1440                 | 3930 |      | 3930 |       | 9300     | 2200 | 9300  | 10900             | 620  | 2250 | 2820    | 2.8  | 10.3 | 12.9 | 4.13 |
|              | 3300   |                         | 3300 | 3300 |       | 9900  | 2840                 | 2840 |      | 2840 |       | 8520     | 2200 | 8520  | 9960              | 620  | 2090 | 2680    | 2.8  | 9.6  | 12.3 | 4.08 |
|              | 3300   |                         | 3300 | 4000 |       | 10600 | 2670                 | 2670 |      | 3250 |       | 8590     | 2200 | 8590  | 10050             | 620  | 2100 | 2690    | 2.8  | 9.6  | 12.3 | 4.09 |
|              | 3300   |                         | 3300 | 6000 |       | 12600 | 2290                 | 2290 |      | 4170 |       | 8750     | 2200 | 8750  | 10500             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.09 |
|              | 3300   |                         | 3300 | 7800 |       | 14400 | 2130                 | 2130 |      | 5040 |       | 9300     | 2200 | 9300  | 10900             | 620  | 2250 | 2820    | 2.8  | 10.3 | 12.9 | 4.13 |
|              | 3300   |                         | 4000 | 4000 |       | 11300 | 2520                 | 3070 |      | 3070 |       | 8660     | 2200 | 8660  | 10130             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.05 |
|              | 3300   |                         | 4000 | 6000 |       | 13300 | 2310                 | 2800 |      | 4190 |       | 9300     | 2200 | 9300  | 10500             | 620  | 2150 | 2750    | 2.8  | 9.8  | 12.6 | 4.33 |
|              | 4000   |                         | 4000 | 4000 |       | 12000 | 2910                 | 2910 |      | 2910 |       | 8730     | 2200 | 8730  | 10220             | 620  | 2150 | 2750    | 2.8  | 9.8  | 12.6 | 4.06 |
|              | 4000   |                         | 4000 | 6000 |       | 14000 | 2660                 | 2660 |      | 3980 |       | 9300     | 2200 | 9300  | 10900             | 620  | 2180 | 2790    | 2.8  | 10.0 | 12.8 | 4.27 |
|              | 4 Unit | 2200                    | 2200 | 2200 | 2200  | 8800  | 2130                 | 2130 |      | 2130 | 2130  | 8520     | 2200 | 8520  | 9970              | 620  | 2100 | 2690    | 2.8  | 9.6  | 12.3 | 4.06 |
|              |        | 2200                    | 2200 | 2200 | 3300  | 9900  | 1910                 | 1910 |      | 1910 | 2850  | 8580     | 2200 | 8580  | 10040             | 620  | 2100 | 2690    | 2.8  | 9.6  | 12.3 | 4.09 |
|              |        | 2200                    | 2200 | 2200 | 4000  | 10600 | 1800                 | 1800 |      | 1800 | 3250  | 8650     | 2200 | 8650  | 10120             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.04 |
|              |        | 2200                    | 2200 | 2200 | 6000  | 12600 | 1620                 | 1620 |      | 1620 | 4440  | 9300     | 2200 | 9300  | 10900             | 620  | 2200 | 2820    | 2.8  | 10.1 | 12.9 | 4.23 |
|              |        | 2200                    | 2200 | 3300 | 3300  | 11000 | 1730                 | 1730 |      | 2590 | 2590  | 8640     | 2200 | 8640  | 10100             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.04 |
|              |        | 2200                    | 2200 | 3300 | 4000  | 11700 | 1640                 | 1640 |      | 2460 | 2970  | 8710     | 2200 | 8710  | 10190             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.07 |
|              |        | 2200                    | 2200 | 3300 | 6000  | 13700 | 1490                 | 1490 |      | 2240 | 4080  | 9300     | 2200 | 9300  | 10900             | 620  | 2200 | 2820    | 2.8  | 10.1 | 12.9 | 4.23 |
|              |        | 2200                    | 2200 | 4000 | 4000  | 12400 | 1560                 | 1560 |      | 2830 | 2830  | 8780     | 2200 | 8780  | 10270             | 620  | 2180 | 2790    | 2.8  | 10.0 | 12.8 | 4.03 |
|              |        | 2200                    | 3300 | 3300 | 3300  | 12100 | 1580                 | 2370 |      | 2370 | 2370  | 8690     | 2200 | 8690  | 10170             | 620  | 2140 | 2740    | 2.8  | 9.8  | 12.5 | 4.06 |
|              |        | 2200                    | 3300 | 3300 | 4000  | 12800 | 1510                 | 2260 |      | 2260 | 2730  | 8760     | 2200 | 8760  | 10250             | 620  | 2180 | 2790    | 2.8  | 10.0 | 12.8 | 4.02 |
|              |        | 2200                    | 3300 | 3300 | 6000  | 14800 | 1390                 | 2070 |      | 2070 | 3770  | 9300     | 2200 | 9300  | 10900             | 620  | 2250 | 2820    | 2.8  | 10.3 | 12.9 | 4.13 |
| 2200         |        | 3300                    | 4000 | 4000 | 13500 | 1520  | 2260                 |      | 2760 | 2760 | 9300  | 2200     | 9300 | 10900 | 620               | 2200 | 2820 | 2.8     | 10.1 | 12.9 | 4.23 |      |
| 3300         |        | 3300                    | 3300 | 3300 | 13200 | 2190  | 2190                 |      | 2190 | 2190 | 8760  | 2200     | 8760 | 10240 | 620               | 2140 | 2740 | 2.8     | 9.8  | 12.5 | 4.09 |      |
| 3300         |        | 3300                    | 3300 | 4000 | 13900 | 2210  | 2210                 |      | 2210 | 2670 | 9300  | 2200     | 9300 | 10900 | 620               | 2180 | 2790 | 2.8     | 10.0 | 12.8 | 4.27 |      |
| 3300         |        | 3300                    | 4000 | 4000 | 14600 | 2100  | 2100                 |      | 2550 | 2550 | 9300  | 2200     | 9300 | 10900 | 620               | 2200 | 2820 | 2.8     | 10.1 | 12.9 | 4.23 |      |

1. Heating capacity is based on 20°CDB (indoor temperature), 7°CDB / 6°CWB (outdoor temperature).
2. The above is the value for connecting with the following indoor units.
  - 2200, 3300, 4000, 6000, 7800W class: Wall Mounted [only for AR\*\*FSSEDWUN, AR\*\*FSPSENN, AR\*\*FSPDGMN]
3. Capacities are based on the following conditions:
  - Corresponding refrigerant piping length : 5m / - Level difference : 0m
4. The total ability of connected a indoor unit is up to 14.8 kW (@ Heating)
5. It is impossible to connect the indoor unit for one room only.
6. Power consumption include indoor unit power.





Capacity Combination



| COOLING      |  |                         |      |      |   |   |                      |      |      |      |   |   |          |      |      |                   |     |      |         |     |      |      |      |
|--------------|--|-------------------------|------|------|---|---|----------------------|------|------|------|---|---|----------|------|------|-------------------|-----|------|---------|-----|------|------|------|
| Outdoor unit |  | Indoor unit combination |      |      |   |   | Cooling Capacity (W) |      |      |      |   |   | Capacity |      |      | Power Consumption |     |      | Current |     |      | EER  |      |
|              |  | A                       | B    | C    | D | E | Total                | A    | B    | C    | D | E | Total    | W    |      |                   | W   |      |         | A   |      |      |      |
|              |  |                         |      |      |   |   |                      |      |      |      |   |   |          | MIN  | NOM  | MAX               | MIN | NOM  | MAX     | MIN | NOM  |      | MAX  |
| 1 Unit       |  | 2000                    |      |      |   |   | 2000                 | 2000 |      |      |   |   | 2000     | 1600 | 2000 | 3000              | 580 | 700  | 1010    | 2.7 | 3.2  | 4.6  | 2.86 |
|              |  | 2500                    |      |      |   |   | 2500                 | 2500 |      |      |   |   | 2500     | 1600 | 2500 | 3630              | 580 | 800  | 1210    | 2.7 | 3.7  | 5.5  | 3.13 |
|              |  | 3500                    |      |      |   |   | 3500                 | 3500 |      |      |   |   | 3500     | 1620 | 3500 | 4740              | 590 | 1070 | 1580    | 2.7 | 4.9  | 7.2  | 3.27 |
|              |  | 5000                    |      |      |   |   | 5000                 | 5000 |      |      |   |   | 5000     | 1650 | 5000 | 6480              | 600 | 1500 | 2160    | 2.7 | 6.9  | 9.9  | 3.33 |
|              |  | 6800                    |      |      |   |   | 6800                 | 6800 |      |      |   |   | 6800     | 1710 | 6800 | 8690              | 620 | 2180 | 2900    | 2.8 | 10.0 | 13.3 | 3.12 |
| 2 Unit       |  | 2000                    | 2000 |      |   |   | 4000                 | 2000 | 2000 |      |   |   | 4000     | 1680 | 4000 | 4900              | 610 | 1260 | 1650    | 2.8 | 5.8  | 7.6  | 3.17 |
|              |  | 2000                    | 2500 |      |   |   | 4500                 | 2000 | 2500 |      |   |   | 4500     | 1680 | 4500 | 5530              | 610 | 1400 | 1860    | 2.8 | 6.4  | 8.5  | 3.21 |
|              |  | 2000                    | 3500 |      |   |   | 5500                 | 2000 | 3500 |      |   |   | 5500     | 1710 | 5500 | 6950              | 620 | 1750 | 2330    | 2.8 | 8.0  | 10.7 | 3.14 |
|              |  | 2000                    | 5000 |      |   |   | 7000                 | 2000 | 5000 |      |   |   | 7000     | 2210 | 7000 | 8690              | 630 | 2190 | 2910    | 2.9 | 10.0 | 13.3 | 3.20 |
|              |  | 2000                    | 6800 |      |   |   | 8800                 | 1830 | 6240 |      |   |   | 8070     | 2280 | 8070 | 10110             | 650 | 2550 | 3390    | 3   | 11.7 | 15.5 | 3.16 |
|              |  | 2500                    | 2500 |      |   |   | 5000                 | 2500 | 2500 |      |   |   | 5000     | 1680 | 5000 | 6320              | 610 | 1600 | 2120    | 2.8 | 7.3  | 9.7  | 3.13 |
|              |  | 2500                    | 3500 |      |   |   | 6000                 | 2500 | 3500 |      |   |   | 6000     | 1710 | 6000 | 7270              | 620 | 1840 | 2430    | 2.8 | 8.4  | 11.1 | 3.26 |
|              |  | 2500                    | 5000 |      |   |   | 7500                 | 2500 | 5000 |      |   |   | 7500     | 2210 | 7500 | 9320              | 630 | 2340 | 3120    | 2.9 | 10.7 | 14.3 | 3.21 |
|              |  | 2500                    | 6800 |      |   |   | 9300                 | 2190 | 5960 |      |   |   | 8150     | 2280 | 8150 | 10110             | 650 | 2550 | 3390    | 3   | 11.7 | 15.5 | 3.20 |
|              |  | 3500                    | 3500 |      |   |   | 7000                 | 3500 | 3500 |      |   |   | 7000     | 2170 | 7000 | 8530              | 620 | 2130 | 2850    | 2.8 | 9.7  | 13.0 | 3.29 |
|              |  | 3500                    | 5000 |      |   |   | 8500                 | 3300 | 4720 |      |   |   | 8020     | 2240 | 8020 | 9950              | 640 | 2490 | 3330    | 2.9 | 11.4 | 15.2 | 3.22 |
|              |  | 3500                    | 6800 |      |   |   | 10300                | 2920 | 5670 |      |   |   | 8590     | 2480 | 8590 | 10740             | 660 | 2700 | 3600    | 3   | 12.4 | 16.5 | 3.18 |
|              |  | 5000                    | 5000 |      |   |   | 10000                | 4280 | 4280 |      |   |   | 8560     | 2440 | 8560 | 10430             | 650 | 2650 | 3500    | 3   | 12.1 | 16.0 | 3.23 |
|              |  | 5000                    | 6800 |      |   |   | 11800                | 3740 | 5080 |      |   |   | 8820     | 2510 | 8820 | 10900             | 670 | 2760 | 3670    | 3.1 | 12.6 | 16.8 | 3.20 |
|              |  | 6800                    | 6800 |      |   |   | 13600                | 4550 | 4550 |      |   |   | 9100     | 3110 | 9100 | 11000             | 690 | 2830 | 3740    | 3.2 | 13.0 | 17.1 | 3.22 |
| AJ100FCJ5EH  |  | 2000                    | 2000 | 2000 |   |   | 6000                 | 2000 | 2000 | 2000 |   |   | 6000     | 1760 | 6000 | 7270              | 640 | 1870 | 2460    | 2.9 | 8.6  | 11.3 | 3.21 |
|              |  | 2000                    | 2000 | 2500 |   |   | 6500                 | 2000 | 2000 | 2500 |   |   | 6500     | 1760 | 6500 | 7900              | 640 | 2010 | 2660    | 2.9 | 9.2  | 12.2 | 3.23 |
|              |  | 2000                    | 2000 | 3500 |   |   | 7500                 | 2000 | 2000 | 3500 |   |   | 7500     | 2280 | 7500 | 8850              | 650 | 2260 | 2980    | 3   | 10.3 | 13.6 | 3.32 |
|              |  | 2000                    | 2000 | 5000 |   |   | 9000                 | 1930 | 1930 | 4830 |   |   | 8690     | 2310 | 8690 | 10270             | 660 | 2610 | 3450    | 3   | 11.9 | 15.8 | 3.33 |
|              |  | 2000                    | 2000 | 6800 |   |   | 10800                | 1660 | 1660 | 5650 |   |   | 8970     | 2550 | 8970 | 10430             | 680 | 2680 | 3530    | 3.1 | 12.3 | 16.2 | 3.35 |
|              |  | 2000                    | 2500 | 2500 |   |   | 7000                 | 2000 | 2500 | 2500 |   |   | 7000     | 2240 | 7000 | 8370              | 640 | 2110 | 2820    | 2.9 | 9.7  | 12.9 | 3.32 |
|              |  | 2000                    | 2500 | 3500 |   |   | 8000                 | 2000 | 2500 | 3500 |   |   | 8000     | 2280 | 8000 | 9320              | 650 | 2350 | 3130    | 3   | 10.8 | 14.3 | 3.40 |
|              |  | 2000                    | 2500 | 5000 |   |   | 9500                 | 1850 | 2310 | 4620 |   |   | 8780     | 2310 | 8780 | 10270             | 660 | 2610 | 3450    | 3   | 11.9 | 15.8 | 3.36 |
|              |  | 2000                    | 2500 | 6800 |   |   | 11300                | 1550 | 1940 | 5270 |   |   | 8760     | 2550 | 8760 | 10430             | 680 | 2680 | 3530    | 3.1 | 12.3 | 16.2 | 3.27 |
|              |  | 2000                    | 3500 | 3500 |   |   | 9000                 | 1930 | 3380 | 3380 |   |   | 8690     | 2280 | 8690 | 10270             | 650 | 2600 | 3440    | 3   | 11.9 | 15.7 | 3.34 |
|              |  | 2000                    | 3500 | 5000 |   |   | 10500                | 1700 | 2980 | 4250 |   |   | 8930     | 2510 | 8930 | 10430             | 670 | 2660 | 3510    | 3.1 | 12.2 | 16.1 | 3.36 |
|              |  | 2000                    | 3500 | 6800 |   |   | 12300                | 1460 | 2550 | 4950 |   |   | 8960     | 2760 | 8960 | 10740             | 690 | 2730 | 3630    | 3.2 | 12.5 | 16.6 | 3.28 |
|              |  | 2000                    | 5000 | 5000 |   |   | 12000                | 1480 | 3710 | 3710 |   |   | 8900     | 2720 | 8900 | 10740             | 680 | 2720 | 3630    | 3.1 | 12.4 | 16.6 | 3.27 |
|              |  | 2000                    | 5000 | 6800 |   |   | 13800                | 1340 | 3360 | 4560 |   |   | 9260     | 3150 | 9260 | 11000             | 700 | 2840 | 3750    | 3.2 | 13.0 | 17.2 | 3.26 |
|              |  | 2000                    | 6800 | 6800 |   |   | 15600                | 1260 | 4270 | 4270 |   |   | 9800     | 3240 | 9800 | 11000             | 720 | 2860 | 3770    | 3.3 | 13.1 | 17.3 | 3.43 |
|              |  | 2500                    | 2500 | 2500 |   |   | 7500                 | 2500 | 2500 | 2500 |   |   | 7500     | 2240 | 7500 | 8850              | 640 | 2250 | 2970    | 2.9 | 10.3 | 13.6 | 3.33 |
|              |  | 2500                    | 2500 | 3500 |   |   | 8500                 | 2500 | 2500 | 3500 |   |   | 8500     | 2280 | 8500 | 9950              | 650 | 2500 | 3340    | 3   | 11.4 | 15.3 | 3.40 |
|              |  | 2500                    | 2500 | 5000 |   |   | 10000                | 2210 | 2210 | 4430 |   |   | 8850     | 2480 | 8850 | 10270             | 660 | 2610 | 3450    | 3   | 11.9 | 15.8 | 3.39 |
|              |  | 2500                    | 2500 | 6800 |   |   | 11800                | 1880 | 1880 | 5110 |   |   | 8870     | 2550 | 8870 | 10740             | 680 | 2720 | 3630    | 3.1 | 12.4 | 16.6 | 3.26 |
|              |  | 2500                    | 3500 | 3500 |   |   | 9500                 | 2310 | 3230 | 3230 |   |   | 8770     | 2280 | 8770 | 10270             | 650 | 2600 | 3440    | 3   | 11.9 | 15.7 | 3.37 |
|              |  | 2500                    | 3500 | 5000 |   |   | 11000                | 1980 | 2770 | 3950 |   |   | 8700     | 2510 | 8700 | 10430             | 670 | 2660 | 3510    | 3.1 | 12.2 | 16.1 | 3.27 |
|              |  | 2500                    | 3500 | 6800 |   |   | 12800                | 1770 | 2480 | 4810 |   |   | 9060     | 2760 | 9060 | 10900             | 690 | 2780 | 3690    | 3.2 | 12.7 | 16.9 | 3.26 |
|              |  | 2500                    | 5000 | 5000 |   |   | 12500                | 1800 | 3600 | 3600 |   |   | 9000     | 2720 | 9000 | 10900             | 680 | 2770 | 3680    | 3.1 | 12.7 | 16.8 | 3.25 |
|              |  | 2500                    | 5000 | 6800 |   |   | 14300                | 1640 | 3270 | 4450 |   |   | 9360     | 3150 | 9360 | 11000             | 700 | 2740 | 3750    | 3.2 | 12.5 | 17.2 | 3.42 |
|              |  | 2500                    | 6800 | 6800 |   |   | 16100                | 1520 | 4140 | 4140 |   |   | 9800     | 3240 | 9800 | 11000             | 720 | 2860 | 3770    | 3.3 | 13.1 | 17.3 | 3.43 |
|              |  | 3500                    | 3500 | 3500 |   |   | 10500                | 2980 | 2980 | 2980 |   |   | 8940     | 2480 | 8940 | 10430             | 660 | 2650 | 3500    | 3   | 12.1 | 16.0 | 3.37 |
|              |  | 3500                    | 3500 | 5000 |   |   | 12000                | 2600 | 2600 | 3710 |   |   | 8910     | 2680 | 8910 | 10740             | 670 | 2710 | 3620    | 3.1 | 12.4 | 16.6 | 3.29 |
|              |  | 3500                    | 3500 | 6800 |   |   | 13800                | 2350 | 2350 | 4560 |   |   | 9260     | 3110 | 9260 | 11000             | 690 | 2830 | 3740    | 3.2 | 13.0 | 17.1 | 3.27 |
|              |  | 3500                    | 5000 | 5000 |   |   | 13500                | 2390 | 3410 | 3410 |   |   | 9210     | 3110 | 9210 | 11000             | 690 | 2820 | 3740    | 3.2 | 12.9 | 17.1 | 3.27 |
|              |  | 3500                    | 5000 | 6800 |   |   | 15300                | 2240 | 3200 | 4360 |   |   | 9800     | 3200 | 9800 | 11000             | 710 | 2800 | 3760    | 3.2 | 12.8 | 17.2 | 3.50 |
|              |  | 3500                    | 6800 | 6800 |   |   | 17100                | 2000 | 3900 | 3900 |   |   | 9800     | 3290 | 9800 | 11000             | 730 | 2910 | 3780    | 3.3 | 13.3 | 17.3 | 3.37 |
|              |  | 5000                    | 5000 | 5000 |   |   | 15000                | 3260 | 3270 | 3270 |   |   | 9800     | 3150 | 9800 | 11000             | 700 | 2790 | 3750    | 3.2 | 12.8 | 17.2 | 3.51 |
|              |  | 5000                    | 5000 | 6800 |   |   | 16800                | 2920 | 2920 | 3960 |   |   | 9800     | 3240 | 9800 | 11000             | 720 | 2910 | 3770    | 3.3 | 13.3 | 17.3 | 3.37 |

| COOLING      |        |                         |      |      |       |      |                      |      |      |      |      |      |          |       |      |                   |      |      |         |      |      |      |      |
|--------------|--------|-------------------------|------|------|-------|------|----------------------|------|------|------|------|------|----------|-------|------|-------------------|------|------|---------|------|------|------|------|
| Outdoor unit |        | Indoor unit combination |      |      |       |      | Cooling Capacity (W) |      |      |      |      |      | Capacity |       |      | Power Consumption |      |      | Current |      |      | EER  |      |
|              |        | A                       | B    | C    | D     | E    | Total                | A    | B    | C    | D    | E    | Total    | W     |      |                   | W    |      |         | A    |      |      |      |
|              |        |                         |      |      |       |      |                      |      |      |      |      |      |          | MIN   | NOM  | MAX               | MIN  | NOM  | MAX     | MIN  | NOM  |      | MAX  |
| AJ100FCJ5EH  | 4 Unit | 2000                    | 2000 | 2000 | 2000  |      | 8000                 | 2000 | 2000 | 2000 | 2000 |      | 8000     | 2350  | 8000 | 9320              | 670  | 2380 | 3160    | 3.1  | 10.9 | 14.5 | 3.36 |
|              |        | 2000                    | 2000 | 2000 | 2500  |      | 8500                 | 2000 | 2000 | 2000 | 2500 |      | 8500     | 2350  | 8500 | 9950              | 670  | 2520 | 3360    | 3.1  | 11.5 | 15.4 | 3.37 |
|              |        | 2000                    | 2000 | 2000 | 3500  |      | 9500                 | 1850 | 1850 | 1850 | 3230 |      | 8780     | 2380  | 8780 | 10270             | 680  | 2620 | 3470    | 3.1  | 12.0 | 15.9 | 3.35 |
|              |        | 2000                    | 2000 | 2000 | 5000  |      | 11000                | 1580 | 1580 | 1580 | 3950 |      | 8690     | 2590  | 8690 | 10430             | 690  | 2690 | 3540    | 3.2  | 12.3 | 16.2 | 3.23 |
|              |        | 2000                    | 2000 | 2000 | 6800  |      | 12800                | 1420 | 1420 | 1420 | 4820 |      | 9080     | 2840  | 9080 | 10900             | 710  | 2800 | 3710    | 3.2  | 12.8 | 17.0 | 3.24 |
|              |        | 2000                    | 2000 | 2500 | 2500  |      | 9000                 | 1930 | 1930 | 2420 | 2420 |      | 8700     | 2350  | 8700 | 10270             | 670  | 2620 | 3460    | 3.1  | 12.0 | 15.8 | 3.32 |
|              |        | 2000                    | 2000 | 2500 | 3500  |      | 10000                | 1770 | 1770 | 2210 | 3100 |      | 8850     | 2550  | 8850 | 10270             | 680  | 2620 | 3470    | 3.1  | 12.0 | 15.9 | 3.38 |
|              |        | 2000                    | 2000 | 2500 | 5000  |      | 11500                | 1530 | 1530 | 1910 | 3830 |      | 8800     | 2590  | 8800 | 10740             | 690  | 2730 | 3640    | 3.2  | 12.5 | 16.7 | 3.22 |
|              |        | 2000                    | 2000 | 2500 | 6800  |      | 13300                | 1380 | 1380 | 1720 | 4680 |      | 9160     | 3200  | 9160 | 10900             | 710  | 2800 | 3710    | 3.2  | 12.8 | 17.0 | 3.27 |
|              |        | 2000                    | 2000 | 3500 | 3500  |      | 11000                | 1580 | 1580 | 2770 | 2770 |      | 8700     | 2550  | 8700 | 10430             | 680  | 2680 | 3530    | 3.1  | 12.3 | 16.2 | 3.25 |
|              |        | 2000                    | 2000 | 3500 | 5000  |      | 12500                | 1440 | 1440 | 2520 | 3600 |      | 9000     | 2800  | 9000 | 10900             | 700  | 2790 | 3700    | 3.2  | 12.8 | 16.9 | 3.23 |
|              |        | 2000                    | 2000 | 3500 | 6800  |      | 14300                | 1310 | 1310 | 2290 | 4450 |      | 9360     | 3240  | 9360 | 11000             | 720  | 2760 | 3770    | 3.3  | 12.6 | 17.3 | 3.39 |
|              |        | 2000                    | 2000 | 5000 | 5000  |      | 14000                | 1330 | 1330 | 3320 | 3320 |      | 9300     | 3200  | 9300 | 11000             | 710  | 2850 | 3760    | 3.2  | 13.0 | 17.2 | 3.26 |
|              |        | 2000                    | 2000 | 5000 | 6800  |      | 15800                | 1240 | 1240 | 3100 | 4220 |      | 9800     | 3290  | 9800 | 11000             | 730  | 2870 | 3780    | 3.3  | 13.1 | 17.3 | 3.41 |
|              |        | 2000                    | 2500 | 2500 | 2500  |      | 9500                 | 1850 | 2310 | 2310 | 2310 |      | 8780     | 2350  | 8780 | 10270             | 670  | 2620 | 3460    | 3.1  | 12.0 | 15.8 | 3.35 |
|              |        | 2000                    | 2500 | 2500 | 3500  |      | 10500                | 1700 | 2130 | 2130 | 2980 |      | 8940     | 2550  | 8940 | 10430             | 680  | 2670 | 3520    | 3.1  | 12.2 | 16.1 | 3.35 |
|              |        | 2000                    | 2500 | 2500 | 5000  |      | 12000                | 1480 | 1850 | 1850 | 3700 |      | 8880     | 2760  | 8880 | 10740             | 690  | 2730 | 3640    | 3.2  | 12.5 | 16.7 | 3.25 |
|              |        | 2000                    | 2500 | 2500 | 6800  |      | 13800                | 1340 | 1680 | 1680 | 4560 |      | 9260     | 3200  | 9260 | 11000             | 710  | 2850 | 3760    | 3.2  | 13.0 | 17.2 | 3.25 |
|              |        | 2000                    | 2500 | 3500 | 3500  |      | 11500                | 1530 | 1910 | 2680 | 2680 |      | 8800     | 2550  | 8800 | 10740             | 680  | 2720 | 3630    | 3.1  | 12.4 | 16.6 | 3.24 |
|              |        | 2000                    | 2500 | 3500 | 5000  |      | 13000                | 1400 | 1750 | 2450 | 3500 |      | 9100     | 3150  | 9100 | 10900             | 700  | 2790 | 3700    | 3.2  | 12.8 | 16.9 | 3.26 |
|              |        | 2000                    | 2500 | 3500 | 6800  |      | 14800                | 1280 | 1600 | 2240 | 4350 |      | 9470     | 3240  | 9470 | 11000             | 720  | 2810 | 3770    | 3.3  | 12.9 | 17.3 | 3.37 |
|              |        | 2000                    | 2500 | 5000 | 5000  |      | 14500                | 1300 | 1620 | 3240 | 3240 |      | 9400     | 3200  | 9400 | 11000             | 710  | 2800 | 3760    | 3.2  | 12.8 | 17.2 | 3.36 |
|              |        | 2000                    | 2500 | 5000 | 6800  |      | 16300                | 1200 | 1500 | 3010 | 4090 |      | 9800     | 3290  | 9800 | 11000             | 730  | 2870 | 3780    | 3.3  | 13.1 | 17.3 | 3.41 |
|              |        | 2000                    | 3500 | 3500 | 3500  |      | 12500                | 1440 | 2520 | 2520 | 2520 |      | 9000     | 2760  | 9000 | 10900             | 690  | 2780 | 3690    | 3.2  | 12.7 | 16.9 | 3.24 |
|              |        | 2000                    | 3500 | 3500 | 5000  |      | 14000                | 1330 | 2330 | 2330 | 3330 |      | 9320     | 3150  | 9320 | 11000             | 700  | 2840 | 3750    | 3.2  | 13.0 | 17.2 | 3.28 |
|              |        | 2000                    | 3500 | 3500 | 6800  |      | 15800                | 1240 | 2170 | 2170 | 4220 |      | 9800     | 3240  | 9800 | 11000             | 720  | 2860 | 3770    | 3.3  | 13.1 | 17.3 | 3.43 |
|              |        | 2000                    | 3500 | 5000 | 5000  |      | 15500                | 1270 | 2210 | 3160 | 3160 |      | 9800     | 3240  | 9800 | 11000             | 720  | 2850 | 3770    | 3.3  | 13.0 | 17.3 | 3.44 |
|              |        | 2000                    | 3500 | 5000 | 6800  |      | 17300                | 1140 | 1980 | 2830 | 3850 |      | 9800     | 3330  | 9800 | 11000             | 740  | 2920 | 3790    | 3.4  | 13.4 | 17.3 | 3.36 |
|              |        | 2000                    | 5000 | 5000 | 5000  |      | 17000                | 1160 | 2880 | 2880 | 2880 |      | 9800     | 3290  | 9800 | 11000             | 730  | 2920 | 3780    | 3.3  | 13.4 | 17.3 | 3.36 |
|              |        | 2500                    | 2500 | 2500 | 2500  |      | 10000                | 2210 | 2210 | 2210 | 2210 |      | 8840     | 2510  | 8840 | 10270             | 670  | 2620 | 3460    | 3.1  | 12.0 | 15.8 | 3.37 |
|              |        | 2500                    | 2500 | 2500 | 3500  |      | 11000                | 1980 | 1980 | 1980 | 2770 |      | 8710     | 2550  | 8710 | 10430             | 680  | 2670 | 3520    | 3.1  | 12.2 | 16.1 | 3.26 |
|              |        | 2500                    | 2500 | 2500 | 5000  |      | 12500                | 1800 | 1800 | 1800 | 3600 |      | 9000     | 2760  | 9000 | 10900             | 690  | 2780 | 3690    | 3.2  | 12.7 | 16.9 | 3.24 |
|              |        | 2500                    | 2500 | 2500 | 6800  |      | 14300                | 1640 | 1640 | 1640 | 4460 |      | 9380     | 3200  | 9380 | 11000             | 710  | 2750 | 3760    | 3.2  | 12.6 | 17.2 | 3.41 |
|              |        | 2500                    | 2500 | 3500 | 3500  |      | 12000                | 1850 | 1850 | 2600 | 2600 |      | 8900     | 2720  | 8900 | 10740             | 680  | 2720 | 3630    | 3.1  | 12.4 | 16.6 | 3.27 |
|              |        | 2500                    | 2500 | 3500 | 5000  |      | 13500                | 1700 | 1700 | 2390 | 3410 |      | 9200     | 3150  | 9200 | 11000             | 700  | 2830 | 3750    | 3.2  | 13.0 | 17.2 | 3.25 |
|              |        | 2500                    | 2500 | 3500 | 6800  |      | 15300                | 1600 | 1600 | 2240 | 4360 |      | 9800     | 3240  | 9800 | 11000             | 720  | 2810 | 3770    | 3.3  | 12.9 | 17.3 | 3.49 |
| 2500         | 2500   | 5000                    | 5000 |      | 15000 | 1630 | 1630                 | 3270 | 3270 |      | 9800 | 3200 | 9800     | 11000 | 710  | 2800              | 3760 | 3.2  | 12.8    | 17.2 | 3.50 |      |      |
| 2500         | 2500   | 5000                    | 6800 |      | 16800 | 1460 | 1460                 | 2920 | 3960 |      | 9800 | 3290 | 9800     | 11000 | 730  | 2920              | 3780 | 3.3  | 13.4    | 17.3 | 3.36 |      |      |
| 2500         | 3500   | 3500                    | 3500 |      | 13000 | 1750 | 2450                 | 2450 | 2450 |      | 9100 | 3110 | 9100     | 10900 | 690  | 2780              | 3690 | 3.2  | 12.7    | 16.9 | 3.27 |      |      |
| 2500         | 3500   | 3500                    | 5000 |      | 14500 | 1620 | 2270                 | 2270 | 3240 |      | 9400 | 3150 | 9400     | 11000 | 700  | 2790              | 3750 | 3.2  | 12.8    | 17.2 | 3.37 |      |      |
| 2500         | 3500   | 3500                    | 6800 |      | 16300 | 1510 | 2100                 | 2100 | 4090 |      | 9800 | 3240 | 9800     | 11000 | 720  | 2860              | 3770 | 3.3  | 13.1    | 17.3 | 3.43 |      |      |
| 2500         | 3500   | 5000                    | 5000 |      | 16000 | 1540 | 2140                 | 3060 | 3060 |      | 9800 | 3240 | 9800     | 11000 | 720  | 2850              | 3770 | 3.3  | 13.0    | 17.3 | 3.44 |      |      |
| 3500         | 3500   | 3500                    | 3500 |      | 14000 | 2330 | 2330                 | 2330 | 2330 |      | 9320 | 3110 | 9320     | 11000 | 690  | 2830              | 3740 | 3.2  | 13.0    | 17.1 | 3.29 |      |      |
| 3500         | 3500   | 3500                    | 5000 |      | 15500 | 2210 | 2210                 | 2210 | 3170 |      | 9800 | 3200 | 9800     | 11000 | 710  | 2840              | 3760 | 3.2  | 13.0    | 17.2 | 3.45 |      |      |
| 3500         | 3500   | 3500                    | 6800 |      | 17300 | 1980 | 1980                 | 1980 | 3860 |      | 9800 | 3290 | 9800     | 11000 | 730  | 2910              | 3780 | 3.3  | 13.3    | 17.3 | 3.37 |      |      |
| 3500         | 3500   | 5000                    | 5000 |      | 17000 | 2020 | 2020                 | 2880 | 2880 |      | 9800 | 3240 | 9800     | 11000 | 720  | 2910              | 3770 | 3.3  | 13.3    | 17.3 | 3.37 |      |      |



# Capacity Combination



## COOLING

| Outdoor unit |        | Indoor unit combination |      |      |      |      |       | Cooling Capacity (W) |      |      |      |      |       | Capacity |       |       | Power Consumption |      |      | Current |      |      | EER  |
|--------------|--------|-------------------------|------|------|------|------|-------|----------------------|------|------|------|------|-------|----------|-------|-------|-------------------|------|------|---------|------|------|------|
|              |        | A                       | B    | C    | D    | E    | Total | A                    | B    | C    | D    | E    | Total | W        |       |       | W                 |      |      | A       |      |      |      |
|              |        |                         |      |      |      |      |       |                      |      |      |      |      |       | MIN      | NOM   | MAX   | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |
| AJ100FCJ5EH  | 5 Unit | 2000                    | 2000 | 2000 | 2000 | 2000 | 10000 | 1900                 | 1900 | 1900 | 1900 | 1900 | 9500  | 2630     | 9500  | 10270 | 700               | 2650 | 3490 | 3.2     | 12.1 | 16.0 | 3.58 |
|              |        | 2000                    | 2000 | 2000 | 2000 | 2500 | 10500 | 1820                 | 1820 | 1820 | 1820 | 2270 | 9550  | 2630     | 9550  | 10430 | 700               | 2700 | 3550 | 3.2     | 12.4 | 16.2 | 3.54 |
|              |        | 2000                    | 2000 | 2000 | 2000 | 3500 | 11500 | 1680                 | 1680 | 1680 | 1680 | 2940 | 9660  | 2660     | 9660  | 10740 | 710               | 2750 | 3650 | 3.2     | 12.6 | 16.7 | 3.51 |
|              |        | 2000                    | 2000 | 2000 | 2000 | 5000 | 13000 | 1540                 | 1540 | 1540 | 1540 | 3840 | 10000 | 3240     | 10000 | 10900 | 720               | 2810 | 3720 | 3.3     | 12.9 | 17.0 | 3.56 |
|              |        | 2000                    | 2000 | 2000 | 2000 | 6800 | 14800 | 1350                 | 1350 | 1350 | 1350 | 4600 | 10000 | 3330     | 10000 | 11000 | 740               | 2830 | 3790 | 3.4     | 13.0 | 17.3 | 3.53 |
|              |        | 2000                    | 2000 | 2000 | 2500 | 2500 | 11000 | 1750                 | 1750 | 1750 | 2180 | 2180 | 9610  | 2630     | 9610  | 10430 | 700               | 2700 | 3550 | 3.2     | 12.4 | 16.2 | 3.56 |
|              |        | 2000                    | 2000 | 2000 | 2500 | 3500 | 12000 | 1620                 | 1620 | 1620 | 2020 | 2830 | 9710  | 2840     | 9710  | 10740 | 710               | 2750 | 3650 | 3.2     | 12.6 | 16.7 | 3.53 |
|              |        | 2000                    | 2000 | 2000 | 2500 | 5000 | 13500 | 1480                 | 1480 | 1480 | 1860 | 3700 | 10000 | 3240     | 10000 | 11000 | 720               | 2860 | 3770 | 3.3     | 13.1 | 17.3 | 3.50 |
|              |        | 2000                    | 2000 | 2000 | 2500 | 6800 | 15300 | 1310                 | 1310 | 1310 | 1630 | 4440 | 10000 | 3330     | 10000 | 11000 | 740               | 2830 | 3790 | 3.4     | 13.0 | 17.3 | 3.53 |
|              |        | 2000                    | 2000 | 2000 | 3500 | 3500 | 13000 | 1540                 | 1540 | 1540 | 2690 | 2690 | 10000 | 3200     | 10000 | 10900 | 710               | 2800 | 3710 | 3.2     | 12.8 | 17.0 | 3.57 |
|              |        | 2000                    | 2000 | 2000 | 3500 | 5000 | 14500 | 1380                 | 1380 | 1380 | 2410 | 3450 | 10000 | 3290     | 10000 | 11000 | 730               | 2820 | 3780 | 3.3     | 12.9 | 17.3 | 3.55 |
|              |        | 2000                    | 2000 | 2000 | 3500 | 6800 | 16300 | 1230                 | 1230 | 1230 | 2150 | 4160 | 10000 | 3380     | 10000 | 11000 | 750               | 2880 | 3800 | 3.4     | 13.2 | 17.4 | 3.47 |
|              |        | 2000                    | 2000 | 2000 | 5000 | 5000 | 16000 | 1240                 | 1240 | 1240 | 3140 | 3140 | 10000 | 3330     | 10000 | 11000 | 740               | 2880 | 3790 | 3.4     | 13.2 | 17.3 | 3.47 |
|              |        | 2000                    | 2000 | 2500 | 2500 | 2500 | 11500 | 1680                 | 1680 | 2100 | 2100 | 2100 | 9660  | 2630     | 9660  | 10740 | 700               | 2740 | 3650 | 3.2     | 12.5 | 16.7 | 3.53 |
|              |        | 2000                    | 2000 | 2500 | 2500 | 3500 | 12500 | 1600                 | 1600 | 2000 | 2000 | 2800 | 10000 | 2840     | 10000 | 10900 | 710               | 2800 | 3710 | 3.2     | 12.8 | 17.0 | 3.57 |
|              |        | 2000                    | 2000 | 2500 | 2500 | 5000 | 14000 | 1430                 | 1430 | 1790 | 1790 | 3560 | 10000 | 3240     | 10000 | 11000 | 720               | 2860 | 3770 | 3.3     | 13.1 | 17.3 | 3.50 |
|              |        | 2000                    | 2000 | 2500 | 2500 | 6800 | 15800 | 1270                 | 1270 | 1580 | 1580 | 4300 | 10000 | 3330     | 10000 | 11000 | 740               | 2880 | 3790 | 3.4     | 13.2 | 17.3 | 3.47 |
|              |        | 2000                    | 2000 | 2500 | 3500 | 3500 | 13500 | 1480                 | 1480 | 1860 | 2590 | 2590 | 10000 | 3200     | 10000 | 11000 | 710               | 2850 | 3760 | 3.2     | 13.0 | 17.2 | 3.51 |
|              |        | 2000                    | 2000 | 2500 | 3500 | 5000 | 15000 | 1330                 | 1330 | 1680 | 2330 | 3330 | 10000 | 3290     | 10000 | 11000 | 730               | 2820 | 3780 | 3.3     | 12.9 | 17.3 | 3.55 |
|              |        | 2000                    | 2000 | 2500 | 3500 | 6800 | 16800 | 1190                 | 1190 | 1490 | 2080 | 4050 | 10000 | 3380     | 10000 | 11000 | 750               | 2930 | 3800 | 3.4     | 13.4 | 17.4 | 3.41 |
|              |        | 2000                    | 2000 | 2500 | 5000 | 5000 | 16500 | 1210                 | 1210 | 1520 | 3030 | 3030 | 10000 | 3330     | 10000 | 11000 | 740               | 2930 | 3790 | 3.4     | 13.4 | 17.3 | 3.41 |
|              |        | 2000                    | 2000 | 3500 | 3500 | 3500 | 14500 | 1370                 | 1370 | 2420 | 2420 | 2420 | 10000 | 3240     | 10000 | 11000 | 720               | 2810 | 3770 | 3.3     | 12.9 | 17.3 | 3.56 |
|              |        | 2000                    | 2000 | 3500 | 3500 | 5000 | 16000 | 1250                 | 1250 | 2190 | 2190 | 3120 | 10000 | 3290     | 10000 | 11000 | 730               | 2870 | 3780 | 3.3     | 13.1 | 17.3 | 3.48 |
|              |        | 2000                    | 2500 | 2500 | 2500 | 2500 | 12000 | 1620                 | 2020 | 2020 | 2020 | 2020 | 9700  | 2800     | 9700  | 10740 | 700               | 2740 | 3650 | 3.2     | 12.5 | 16.7 | 3.54 |
|              |        | 2000                    | 2500 | 2500 | 2500 | 3500 | 13000 | 1550                 | 1920 | 1920 | 1920 | 2690 | 10000 | 3200     | 10000 | 10900 | 710               | 2800 | 3710 | 3.2     | 12.8 | 17.0 | 3.57 |
|              |        | 2000                    | 2500 | 2500 | 2500 | 5000 | 14500 | 1390                 | 1720 | 1720 | 1720 | 3450 | 10000 | 3240     | 10000 | 11000 | 720               | 2810 | 3770 | 3.3     | 12.9 | 17.3 | 3.56 |
|              |        | 2000                    | 2500 | 2500 | 2500 | 6800 | 16300 | 1240                 | 1530 | 1530 | 1530 | 4170 | 10000 | 3330     | 10000 | 11000 | 740               | 2880 | 3790 | 3.4     | 13.2 | 17.3 | 3.47 |
|              |        | 2000                    | 2500 | 2500 | 3500 | 3500 | 14000 | 1440                 | 1790 | 1790 | 2490 | 2490 | 10000 | 3200     | 10000 | 11000 | 710               | 2850 | 3760 | 3.2     | 13.0 | 17.2 | 3.51 |
|              |        | 2000                    | 2500 | 2500 | 3500 | 5000 | 15500 | 1290                 | 1610 | 1610 | 2260 | 3230 | 10000 | 3290     | 10000 | 11000 | 730               | 2860 | 3780 | 3.3     | 13.1 | 17.3 | 3.50 |
|              |        | 2000                    | 2500 | 2500 | 3500 | 6800 | 17300 | 1160                 | 1450 | 1450 | 2020 | 3920 | 10000 | 3380     | 10000 | 11000 | 750               | 2930 | 3800 | 3.4     | 13.4 | 17.4 | 3.41 |
|              |        | 2000                    | 2500 | 2500 | 5000 | 5000 | 17000 | 1180                 | 1470 | 1470 | 2940 | 2940 | 10000 | 3330     | 10000 | 11000 | 740               | 2930 | 3790 | 3.4     | 13.4 | 17.3 | 3.41 |
|              |        | 2000                    | 2500 | 3500 | 3500 | 3500 | 15000 | 1340                 | 1670 | 2330 | 2330 | 2330 | 10000 | 3240     | 10000 | 11000 | 720               | 2810 | 3770 | 3.3     | 12.9 | 17.3 | 3.56 |
|              |        | 2000                    | 2500 | 3500 | 3500 | 5000 | 16500 | 1210                 | 1520 | 2120 | 2120 | 3030 | 10000 | 3290     | 10000 | 11000 | 730               | 2920 | 3780 | 3.3     | 13.4 | 17.3 | 3.42 |
|              |        | 2000                    | 3500 | 3500 | 3500 | 3500 | 16000 | 1240                 | 2190 | 2190 | 2190 | 2190 | 10000 | 3240     | 10000 | 11000 | 720               | 2860 | 3770 | 3.3     | 13.1 | 17.3 | 3.50 |
|              |        | 2500                    | 2500 | 2500 | 2500 | 2500 | 12500 | 2000                 | 2000 | 2000 | 2000 | 2000 | 10000 | 3000     | 10000 | 11000 | 700               | 2900 | 3700 | 3.2     | 13.3 | 16.9 | 3.45 |
|              |        | 2500                    | 2500 | 2500 | 2500 | 3500 | 13500 | 1850                 | 1850 | 1850 | 1850 | 2600 | 10000 | 3200     | 10000 | 11000 | 710               | 2840 | 3760 | 3.2     | 13.0 | 17.2 | 3.52 |
|              |        | 2500                    | 2500 | 2500 | 2500 | 5000 | 15000 | 1670                 | 1670 | 1670 | 1670 | 3320 | 10000 | 3240     | 10000 | 11000 | 720               | 2810 | 3770 | 3.3     | 12.9 | 17.3 | 3.56 |
|              |        | 2500                    | 2500 | 2500 | 2500 | 6800 | 16800 | 1490                 | 1490 | 1490 | 1490 | 4040 | 10000 | 3330     | 10000 | 11000 | 740               | 2930 | 3790 | 3.4     | 13.4 | 17.3 | 3.41 |
|              |        | 2500                    | 2500 | 2500 | 3500 | 3500 | 14500 | 1720                 | 1720 | 1720 | 2420 | 2420 | 10000 | 3200     | 10000 | 11000 | 710               | 2800 | 3760 | 3.2     | 12.8 | 17.2 | 3.57 |
|              |        | 2500                    | 2500 | 2500 | 3500 | 5000 | 16000 | 1560                 | 1560 | 1560 | 2190 | 3130 | 10000 | 3290     | 10000 | 11000 | 730               | 2860 | 3780 | 3.3     | 13.1 | 17.3 | 3.50 |
|              |        | 2500                    | 2500 | 3500 | 3500 | 3500 | 15500 | 1610                 | 1610 | 2260 | 2260 | 2260 | 10000 | 3240     | 10000 | 11000 | 720               | 2850 | 3770 | 3.3     | 13.0 | 17.3 | 3.51 |
|              |        | 2500                    | 2500 | 3500 | 3500 | 5000 | 17000 | 1470                 | 1470 | 2060 | 2060 | 2940 | 10000 | 3290     | 10000 | 11000 | 730               | 2920 | 3780 | 3.3     | 13.4 | 17.3 | 3.42 |
|              |        | 2500                    | 3500 | 3500 | 3500 | 3500 | 16500 | 1520                 | 2120 | 2120 | 2120 | 2120 | 10000 | 3240     | 10000 | 11000 | 720               | 2910 | 3770 | 3.3     | 13.3 | 17.3 | 3.44 |

## HEATING

| Outdoor unit |        | Indoor unit combination |      |      |       |       |       | Cooling Capacity (W) |      |      |      |       |       | Capacity |       |       | Power Consumption |      |      | Current |      |      | EER  |      |      |
|--------------|--------|-------------------------|------|------|-------|-------|-------|----------------------|------|------|------|-------|-------|----------|-------|-------|-------------------|------|------|---------|------|------|------|------|------|
|              |        | A                       | B    | C    | D     | E     | Total | A                    | B    | C    | D    | E     | Total | W        |       |       | W                 |      |      | A       |      |      |      |      |      |
|              |        |                         |      |      |       |       |       |                      |      |      |      |       |       | MIN      | NOM   | MAX   | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |      |      |
| AJ100FCJ5EH  | 1 Unit | 2200                    |      |      |       |       | 2200  | 2200                 |      |      |      |       | 2200  | 1160     | 2200  | 3160  | 430               | 900  | 1080 | 2       | 4.1  | 4.9  | 2.44 |      |      |
|              |        | 3300                    |      |      |       |       | 3300  | 3200                 |      |      |      |       | 3200  | 1160     | 3200  | 4270  | 430               | 1070 | 1284 | 2       | 4.9  | 5.9  | 2.99 |      |      |
|              |        | 4000                    |      |      |       |       | 4000  | 4000                 |      |      |      |       | 4000  | 1190     | 4000  | 5210  | 440               | 1280 | 1536 | 2       | 5.9  | 7.0  | 3.13 |      |      |
|              |        | 6000                    |      |      |       |       | 6000  | 6000                 |      |      |      |       | 6000  | 1220     | 6000  | 7430  | 450               | 1800 | 2160 | 2.1     | 8.2  | 9.9  | 3.33 |      |      |
|              |        | 7800                    |      |      |       |       | 7800  | 7800                 |      |      |      |       | 7800  | 1270     | 7800  | 9640  | 470               | 2350 | 2820 | 2.2     | 10.8 | 12.9 | 3.32 |      |      |
|              | 2 Unit | 2200                    | 2200 |      |       |       | 4400  | 2200                 | 2200 |      |      |       |       | 4400     | 1240  | 4400  | 5530              | 460  | 1250 | 1520    | 2.1  | 5.7  | 7.0  | 3.52 |      |
|              |        | 2200                    | 3300 |      |       |       | 5500  | 2200                 | 3300 |      |      |       |       | 5500     | 1240  | 5500  | 6790              | 460  | 1520 | 1850    | 2.1  | 7.0  | 8.5  | 3.62 |      |
|              |        | 2200                    | 4000 |      |       |       | 6200  | 2200                 | 4000 |      |      |       |       | 6200     | 1270  | 6200  | 7580              | 470  | 1700 | 2060    | 2.2  | 7.8  | 9.4  | 3.65 |      |
|              |        | 2200                    | 6000 |      |       |       | 8200  | 2200                 | 6000 |      |      |       |       | 8200     | 1300  | 8200  | 10110             | 480  | 2240 | 2750    | 2.2  | 10.3 | 12.6 | 3.66 |      |
|              |        | 2200                    | 7800 |      |       |       | 10000 | 2200                 | 7800 |      |      |       |       | 10000    | 1500  | 10000 | 12480             | 500  | 2790 | 3390    | 2.3  | 12.8 | 15.5 | 3.58 |      |
|              |        | 3300                    | 3300 |      |       |       | 6600  | 3300                 | 3300 |      |      |       |       | 6600     | 1240  | 6600  | 8220              | 460  | 1820 | 2230    | 2.1  | 8.3  | 10.2 | 3.63 |      |
|              |        | 3300                    | 4000 |      |       |       | 7300  | 3300                 | 4000 |      |      |       |       | 7300     | 1270  | 7300  | 9010              | 470  | 2010 | 2440    | 2.2  | 9.2  | 11.2 | 3.63 |      |
|              |        | 3300                    | 6000 |      |       |       | 9300  | 3300                 | 6000 |      |      |       |       | 9300     | 1300  | 9300  | 11690             | 480  | 2590 | 3160    | 2.2  | 11.9 | 14.5 | 3.59 |      |
|              |        | 3300                    | 7800 |      |       |       | 11100 | 3150                 | 7450 |      |      |       |       | 10600    | 1500  | 10600 | 13110             | 500  | 2920 | 3560    | 2.3  | 13.4 | 16.3 | 3.63 |      |
|              |        | 4000                    | 4000 |      |       |       | 8000  | 4000                 | 4000 |      |      |       |       | 8000     | 1270  | 8000  | 9800              | 470  | 2190 | 2650    | 2.2  | 10.0 | 12.1 | 3.65 |      |
|              |        | 4000                    | 6000 |      |       |       | 10000 | 4000                 | 6000 |      |      |       |       | 10000    | 1470  | 10000 | 12320             | 490  | 2730 | 3330    | 2.2  | 12.5 | 15.2 | 3.66 |      |
|              |        | 4000                    | 7800 |      |       |       | 11800 | 3590                 | 7010 |      |      |       |       | 10600    | 1530  | 10600 | 13110             | 510  | 2930 | 3560    | 2.3  | 13.4 | 16.3 | 3.62 |      |
|              |        | 6000                    | 6000 |      |       |       | 12000 | 5300                 | 5300 |      |      |       |       | 10600    | 1650  | 10600 | 13110             | 500  | 2920 | 3560    | 2.3  | 13.4 | 16.3 | 3.63 |      |
|              |        | 6000                    | 7800 |      |       |       | 13800 | 4610                 | 5990 |      |      |       |       | 10600    | 1820  | 10600 | 13110             | 520  | 2940 | 3580    | 2.4  | 13.5 | 16.4 | 3.61 |      |
|              |        | 7800                    | 7800 |      |       |       | 15600 | 5300                 | 5300 |      |      |       |       | 10600    | 2160  | 10600 | 12960             | 540  | 2920 | 3560    | 2.5  | 13.4 | 16.3 | 3.63 |      |
|              |        | 3 Unit                  | 2200 | 2200 | 2200  |       |       | 6600                 | 2200 | 2200 | 2200 |       |       |          | 6600  | 1320  | 6600              | 7580 | 490  | 1720    | 2090 | 2.2  | 7.9  | 9.6  | 3.84 |
|              |        |                         | 2200 | 2200 | 3300  |       |       | 7700                 | 2200 | 2200 | 3300 |       |       |          | 7700  | 1320  | 7700              | 9010 | 490  | 2030    | 2460 | 2.2  | 9.3  | 11.3 | 3.79 |
|              | 2200   |                         | 2200 | 4000 |       |       | 8400  | 2200                 | 2200 | 4000 |      |       |       | 8400     | 1350  | 8400  | 9800              | 500  | 2210 | 2680    | 2.3  | 10.1 | 12.3 | 3.80 |      |
|              | 2200   |                         | 2200 | 6000 |       |       | 10400 | 2050                 | 2050 | 5590 |      |       |       | 9690     | 1530  | 9690  | 12170             | 510  | 2710 | 3320    | 2.3  | 12.4 | 15.2 | 3.58 |      |
|              | 2200   |                         | 2200 | 7800 |       |       | 12200 | 1780                 | 1780 | 6300 |      |       |       | 9860     | 1750  | 9860  | 12170             | 530  | 2730 | 3340    | 2.4  | 12.5 | 15.3 | 3.61 |      |
|              | 2200   |                         | 3300 | 3300 |       |       | 8800  | 2200                 | 3300 | 3300 |      |       |       | 8800     | 1320  | 8800  | 10740             | 490  | 2380 | 2920    | 2.2  | 10.9 | 13.4 | 3.70 |      |
|              | 2200   |                         | 3300 | 4000 |       |       | 9500  | 2200                 | 3300 | 4000 |      |       |       | 9500     | 1350  | 9500  | 11380             | 500  | 2520 | 3090    | 2.3  | 11.5 | 14.1 | 3.77 |      |
|              | 2200   |                         | 3300 | 6000 |       |       | 11500 | 1870                 | 2810 | 5110 |      |       |       | 9790     | 1530  | 9790  | 11850             | 510  | 2670 | 3230    | 2.3  | 12.2 | 14.8 | 3.67 |      |
|              | 2200   |                         | 3300 | 7800 |       |       | 13300 | 1650                 | 2470 | 5850 |      |       |       | 9970     | 1660  | 9970  | 12170             | 530  | 2730 | 3340    | 2.4  | 12.5 | 15.3 | 3.65 |      |
|              | 2200   |                         | 4000 | 4000 |       |       | 10200 | 2090                 | 3790 | 3790 |      |       |       | 9670     | 1500  | 9670  | 12170             | 500  | 2700 | 3310    | 2.3  | 12.4 | 15.1 | 3.58 |      |
|              | 2200   |                         | 4000 | 6000 |       |       | 12200 | 1780                 | 3230 | 4850 |      |       |       | 9860     | 1720  | 9860  | 12170             | 520  | 2720 | 3320    | 2.4  | 12.4 | 15.2 | 3.63 |      |
|              | 2200   |                         | 4000 | 7800 |       |       | 14000 | 1580                 | 2870 | 5590 |      |       |       | 10040    | 1690  | 10040 | 12320             | 540  | 2780 | 3380    | 2.5  | 12.7 | 15.5 | 3.61 |      |
|              | 2200   |                         | 6000 | 6000 |       |       | 14200 | 1560                 | 4250 | 4250 |      |       |       | 10060    | 1660  | 10060 | 12320             | 530  | 2780 | 3380    | 2.4  | 12.7 | 15.5 | 3.62 |      |
|              | 2200   |                         | 6000 | 7800 |       |       | 16000 | 1490                 | 4050 | 5270 |      |       |       | 10810    | 2200  | 10810 | 12800             | 550  | 2880 | 3520    | 2.5  | 13.2 | 16.1 | 3.75 |      |
|              | 2200   |                         | 7800 | 7800 |       |       | 17800 | 1360                 | 4820 | 4820 |      |       |       | 11000    | 2280  | 11000 | 12960             | 570  | 2950 | 3590    | 2.6  | 13.5 | 16.4 | 3.73 |      |
|              | 3300   |                         | 3300 | 3300 |       |       | 9900  | 3210                 | 3210 | 3210 |      |       |       | 9630     | 1470  | 9630  | 11850             | 490  | 2650 | 3210    | 2.2  | 12.1 | 14.7 | 3.63 |      |
|              | 3300   |                         | 3300 | 4000 |       |       | 10600 | 3020                 | 3020 | 3660 |      |       |       | 9700     | 1500  | 9700  | 11530             | 500  | 2560 | 3140    | 2.3  | 11.7 | 14.4 | 3.79 |      |
|              | 3300   |                         | 3300 | 6000 |       |       | 12600 | 2590                 | 2590 | 4710 |      |       |       | 9890     | 1680  | 9890  | 12320             | 510  | 2760 | 3360    | 2.3  | 12.6 | 15.4 | 3.58 |      |
|              | 3300   |                         | 3300 | 7800 |       |       | 14400 | 2440                 | 2440 | 5770 |      |       |       | 10650    | 1860  | 10650 | 12480             | 530  | 2820 | 3420    | 2.4  | 12.9 | 15.7 | 3.78 |      |
|              | 3300   |                         | 4000 | 4000 |       |       | 11300 | 2850                 | 3460 | 3460 |      |       |       | 9770     | 1500  | 9770  | 11850             | 500  | 2660 | 3220    | 2.3  | 12.2 | 14.7 | 3.67 |      |
|              | 3300   |                         | 4000 | 6000 |       |       | 13300 | 2470                 | 3000 | 4500 |      |       |       | 9970     | 1820  | 9970  | 12170             | 520  | 2720 | 3320    | 2.4  | 12.4 | 15.2 | 3.67 |      |
|              | 3300   |                         | 4000 | 7800 |       |       | 15100 | 2340                 | 2840 | 5540 |      |       |       | 10720    | 1890  | 10720 | 12480             | 540  | 2830 | 3430    | 2.5  | 13.0 | 15.7 | 3.79 |      |
|              | 3300   |                         | 6000 | 6000 |       |       | 15300 | 2320                 | 4210 | 4210 |      |       |       | 10740    | 1860  | 10740 | 12480             | 530  | 2820 | 3420    | 2.4  | 12.9 | 15.7 | 3.81 |      |
|              | 3300   |                         | 6000 | 7800 |       |       | 17100 | 2120                 | 3860 | 5020 |      |       |       | 11000    | 2200  | 11000 | 12960             | 550  | 2930 | 3570    | 2.5  | 13.4 | 16.3 | 3.75 |      |
|              | 3300   |                         | 7800 | 7800 |       |       | 18900 | 1920                 | 4540 | 4540 |      |       |       | 11000    | 2280  | 11000 | 13110             | 570  | 2990 | 3630    | 2.6  | 13.7 | 16.6 | 3.68 |      |
|              | 4000   | 4000                    | 4000 |      |       | 12000 | 3280  | 3280                 | 3280 |      |      |       | 9840  | 1680     | 9840  | 12170 | 510               | 2710 | 3310 | 2.3     | 12.4 | 15.1 | 3.63 |      |      |
|              | 4000   | 4000                    | 6000 |      |       | 14000 | 2870  | 2870                 | 4300 |      |      |       | 10040 | 1820     | 10040 | 12320 | 520               | 2770 | 3370 | 2.4     | 12.7 | 15.4 | 3.62 |      |      |
|              | 4000   | 4000                    | 7800 |      |       | 15800 | 2730  | 2730                 | 5330 |      |      |       | 10790 | 2160     | 10790 | 12800 | 540               | 2870 | 3510 | 2.5     | 13.1 | 16.1 | 3.76 |      |      |
| 4000         | 6000   | 6000                    |      |      | 16000 | 2700  | 4050  | 4050                 |      |      |      | 10800 | 2160  | 10800    | 12800 | 540   | 2870              | 3510 | 2.5  | 13.1    | 16.1 | 3.76 |      |      |      |
| 4000         | 6000   | 7800                    |      |      | 17800 | 2470  | 3710  | 4820                 |      |      |      | 11000 | 2240  | 11000    | 12960 | 560   | 2930              | 3570 | 2.6  | 13.4    | 16.3 | 3.75 |      |      |      |
| 4000         | 7800   | 7800                    |      |      | 19600 | 2240  | 4380  | 4380                 |      |      |      | 11000 | 2320  | 11000    | 13430 | 580   | 3040              | 3720 | 2.7  | 13.9    | 17.0 | 3.62 |      |      |      |
| 6000         | 6000   | 6000                    |      |      | 18000 | 3660  | 3670  | 3670                 |      |      |      | 11000 | 2200  | 11000    | 12960 | 550   | 2930              | 3570 | 2.5  | 13.4    | 16.3 | 3.75 |      |      |      |
| 6000         | 6000   | 7800                    |      |      | 19800 | 3330  | 3330  | 4340                 |      |      |      | 11000 | 2280  | 11000    | 13430 | 570   | 3040              | 3710 | 2.6  | 13.9    | 17.0 | 3.62 |      |      |      |





# Capacity Combination



| HEATING      |        |                         |      |      |      |   |       |                      |      |      |      |      |       |          |       |       |                   |      |      |         |      |      |      |  |  |
|--------------|--------|-------------------------|------|------|------|---|-------|----------------------|------|------|------|------|-------|----------|-------|-------|-------------------|------|------|---------|------|------|------|--|--|
| Outdoor unit |        | Indoor unit combination |      |      |      |   |       | Cooling Capacity (W) |      |      |      |      |       | Capacity |       |       | Power Consumption |      |      | Current |      |      | EER  |  |  |
|              |        | A                       | B    | C    | D    | E | Total | A                    | B    | C    | D    | E    | Total | W        |       |       | W                 |      |      | A       |      |      |      |  |  |
|              |        |                         |      |      |      |   |       |                      |      |      |      |      |       | MIN      | NOM   | MAX   | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |  |  |
| AJ100FCJSEH  | 4 Unit | 2200                    | 2200 | 2200 | 2200 |   | 8800  | 2200                 | 2200 | 2200 |      | 8800 | 1400  | 8800     | 9800  | 520   | 2240              | 2700 | 2.4  | 10.3    | 12.4 | 3.93 |      |  |  |
|              |        | 2200                    | 2200 | 2200 | 3300 |   | 9900  | 2140                 | 2140 | 2140 | 3210 |      | 9630  | 1560     | 9630  | 11380 | 520               | 2550 | 3120 | 2.4     | 11.7 | 14.3 | 3.78 |  |  |
|              |        | 2200                    | 2200 | 2200 | 4000 |   | 10600 | 2010                 | 2010 | 2010 | 3660 |      | 9690  | 1590     | 9690  | 12170 | 530               | 2730 | 3330 | 2.4     | 12.5 | 15.2 | 3.55 |  |  |
|              |        | 2200                    | 2200 | 2200 | 6000 |   | 12600 | 1730                 | 1730 | 1730 | 4710 |      | 9900  | 1780     | 9900  | 12170 | 540               | 2740 | 3350 | 2.5     | 12.5 | 15.3 | 3.61 |  |  |
|              |        | 2200                    | 2200 | 2200 | 7800 |   | 14400 | 1630                 | 1630 | 1630 | 5770 |      | 10660 | 1960     | 10660 | 12320 | 560               | 2810 | 3410 | 2.6     | 12.9 | 15.6 | 3.79 |  |  |
|              |        | 2200                    | 2200 | 3300 | 3300 |   | 11000 | 1950                 | 1950 | 2920 | 2920 |      | 9740  | 1560     | 9740  | 11530 | 520               | 2590 | 3160 | 2.4     | 11.9 | 14.5 | 3.76 |  |  |
|              |        | 2200                    | 2200 | 3300 | 4000 |   | 11700 | 1840                 | 1840 | 2760 | 3350 |      | 9790  | 1590     | 9790  | 11850 | 530               | 2680 | 3250 | 2.4     | 12.3 | 14.9 | 3.65 |  |  |
|              |        | 2200                    | 2200 | 3300 | 6000 |   | 13700 | 1610                 | 1610 | 2410 | 4380 |      | 10010 | 1890     | 10010 | 12170 | 540               | 2740 | 3350 | 2.5     | 12.5 | 15.3 | 3.65 |  |  |
|              |        | 2200                    | 2200 | 3300 | 7800 |   | 15500 | 1530                 | 1530 | 2290 | 5410 |      | 10760 | 1960     | 10760 | 12480 | 560               | 2850 | 3450 | 2.6     | 13.0 | 15.8 | 3.78 |  |  |
|              |        | 2200                    | 2200 | 4000 | 4000 |   | 12400 | 1750                 | 1750 | 3190 | 3190 |      | 9880  | 1750     | 9880  | 12170 | 530               | 2730 | 3340 | 2.4     | 12.5 | 15.3 | 3.62 |  |  |
|              |        | 2200                    | 2200 | 4000 | 6000 |   | 14400 | 1630                 | 1630 | 2960 | 4440 |      | 10660 | 1930     | 10660 | 12320 | 550               | 2790 | 3390 | 2.5     | 12.8 | 15.5 | 3.82 |  |  |
|              |        | 2200                    | 2200 | 4000 | 7800 |   | 16200 | 1470                 | 1470 | 2670 | 5210 |      | 10820 | 2280     | 10820 | 12800 | 570               | 2900 | 3540 | 2.6     | 13.3 | 16.2 | 3.73 |  |  |
|              |        | 2200                    | 2200 | 6000 | 6000 |   | 16400 | 1460                 | 1460 | 3970 | 3970 |      | 10860 | 2240     | 10860 | 12800 | 560               | 2890 | 3530 | 2.6     | 13.2 | 16.2 | 3.76 |  |  |
|              |        | 2200                    | 2200 | 6000 | 7800 |   | 18200 | 1330                 | 1330 | 3630 | 4710 |      | 11000 | 2320     | 11000 | 12960 | 580               | 2960 | 3600 | 2.7     | 13.5 | 16.5 | 3.72 |  |  |
|              |        | 2200                    | 3300 | 3300 | 3300 |   | 12100 | 1790                 | 2690 | 2690 | 2690 |      | 9860  | 1720     | 9860  | 12170 | 520               | 2720 | 3330 | 2.4     | 12.4 | 15.2 | 3.63 |  |  |
|              |        | 2200                    | 3300 | 3300 | 4000 |   | 12800 | 1710                 | 2560 | 2560 | 3100 |      | 9930  | 1750     | 9930  | 12320 | 530               | 2770 | 3370 | 2.4     | 12.7 | 15.4 | 3.58 |  |  |
|              |        | 2200                    | 3300 | 3300 | 6000 |   | 14800 | 1590                 | 2380 | 2380 | 4330 |      | 10680 | 1890     | 10680 | 12480 | 540               | 2830 | 3430 | 2.5     | 13.0 | 15.7 | 3.77 |  |  |
|              |        | 2200                    | 3300 | 3300 | 7800 |   | 16600 | 1440                 | 2160 | 2160 | 5100 |      | 10860 | 2240     | 10860 | 12960 | 560               | 2940 | 3580 | 2.6     | 13.5 | 16.4 | 3.69 |  |  |
|              |        | 2200                    | 3300 | 4000 | 4000 |   | 13500 | 1630                 | 2440 | 2960 | 2960 |      | 9990  | 1860     | 9990  | 12170 | 530               | 2730 | 3340 | 2.4     | 12.5 | 15.3 | 3.66 |  |  |
|              |        | 2200                    | 3300 | 4000 | 6000 |   | 15500 | 1530                 | 2290 | 2780 | 4170 |      | 10770 | 1930     | 10770 | 12480 | 550               | 2840 | 3440 | 2.5     | 13.0 | 15.7 | 3.79 |  |  |
|              |        | 2200                    | 3300 | 4000 | 7800 |   | 17300 | 1400                 | 2100 | 2540 | 4960 |      | 11000 | 2280     | 11000 | 12960 | 570               | 2940 | 3580 | 2.6     | 13.5 | 16.4 | 3.74 |  |  |
|              |        | 2200                    | 3300 | 6000 | 6000 |   | 17500 | 1390                 | 2070 | 3770 | 3770 |      | 11000 | 2240     | 11000 | 12960 | 560               | 2940 | 3580 | 2.6     | 13.5 | 16.4 | 3.74 |  |  |
|              |        | 2200                    | 3300 | 6000 | 7800 |   | 19300 | 1250                 | 1880 | 3420 | 4450 |      | 11000 | 2320     | 11000 | 13110 | 580               | 3000 | 3640 | 2.7     | 13.7 | 16.7 | 3.67 |  |  |
|              |        | 2200                    | 4000 | 4000 | 4000 |   | 14200 | 1560                 | 2830 | 2830 | 2830 |      | 10050 | 1890     | 10050 | 12320 | 540               | 2780 | 3380 | 2.5     | 12.7 | 15.5 | 3.62 |  |  |
|              |        | 2200                    | 4000 | 4000 | 6000 |   | 16200 | 1470                 | 2670 | 2670 | 4010 |      | 10820 | 2200     | 10820 | 12800 | 550               | 2880 | 3520 | 2.5     | 13.2 | 16.1 | 3.76 |  |  |
|              |        | 2200                    | 4000 | 4000 | 7800 |   | 18000 | 1350                 | 2440 | 2440 | 4770 |      | 11000 | 2280     | 11000 | 12960 | 570               | 2950 | 3590 | 2.6     | 13.5 | 16.4 | 3.73 |  |  |
|              |        | 2200                    | 4000 | 6000 | 6000 |   | 18200 | 1330                 | 2410 | 3630 | 3630 |      | 11000 | 2280     | 11000 | 12960 | 570               | 2940 | 3580 | 2.6     | 13.5 | 16.4 | 3.74 |  |  |
|              |        | 2200                    | 4000 | 6000 | 7800 |   | 20000 | 1210                 | 2200 | 3300 | 4290 |      | 11000 | 2360     | 11000 | 13430 | 590               | 3050 | 3730 | 2.7     | 14.0 | 17.1 | 3.61 |  |  |
|              |        | 2200                    | 6000 | 6000 | 6000 |   | 20200 | 1190                 | 3270 | 3270 | 3270 |      | 11000 | 2320     | 11000 | 13430 | 580               | 3050 | 3720 | 2.7     | 14.0 | 17.0 | 3.61 |  |  |
|              |        | 3300                    | 3300 | 3300 | 3300 |   | 13200 | 2490                 | 2490 | 2490 | 2490 |      | 9960  | 1820     | 9960  | 12480 | 520               | 2810 | 3410 | 2.4     | 12.9 | 15.6 | 3.54 |  |  |
|              |        | 3300                    | 3300 | 3300 | 4000 |   | 13900 | 2380                 | 2380 | 2380 | 2880 |      | 10020 | 1860     | 10020 | 12320 | 530               | 2770 | 3370 | 2.4     | 12.7 | 15.4 | 3.62 |  |  |
|              |        | 3300                    | 3300 | 3300 | 6000 |   | 15900 | 2240                 | 2240 | 2240 | 4080 |      | 10800 | 2160     | 10800 | 12800 | 540               | 2870 | 3510 | 2.5     | 13.1 | 16.1 | 3.76 |  |  |
|              |        | 3300                    | 3300 | 3300 | 7800 |   | 17700 | 2050                 | 2050 | 2050 | 4850 |      | 11000 | 2240     | 11000 | 12960 | 560               | 2940 | 3580 | 2.6     | 13.5 | 16.4 | 3.74 |  |  |
|              |        | 3300                    | 3300 | 4000 | 4000 |   | 14600 | 2410                 | 2410 | 2920 | 2920 |      | 10660 | 1860     | 10660 | 12480 | 530               | 2820 | 3420 | 2.4     | 12.9 | 15.7 | 3.78 |  |  |
|              |        | 3300                    | 3300 | 4000 | 6000 |   | 16600 | 2160                 | 2160 | 2620 | 3930 |      | 10870 | 2200     | 10870 | 12960 | 550               | 2920 | 3560 | 2.5     | 13.4 | 16.3 | 3.72 |  |  |
|              |        | 3300                    | 3300 | 4000 | 7800 |   | 18400 | 1970                 | 1970 | 2400 | 4660 |      | 11000 | 2280     | 11000 | 13110 | 570               | 2990 | 3620 | 2.6     | 13.7 | 16.6 | 3.68 |  |  |
|              |        | 3300                    | 3300 | 6000 | 6000 |   | 18600 | 1950                 | 1950 | 3550 | 3550 |      | 11000 | 2240     | 11000 | 13110 | 560               | 2980 | 3620 | 2.6     | 13.6 | 16.6 | 3.69 |  |  |
|              |        | 3300                    | 3300 | 6000 | 7800 |   | 20400 | 1780                 | 1780 | 3240 | 4200 |      | 11000 | 2320     | 11000 | 13590 | 580               | 3090 | 3760 | 2.7     | 14.1 | 17.2 | 3.56 |  |  |
|              |        | 3300                    | 4000 | 4000 | 4000 |   | 15300 | 2320                 | 2810 | 2810 | 2810 |      | 10750 | 1890     | 10750 | 12480 | 540               | 2830 | 3430 | 2.5     | 13.0 | 15.7 | 3.80 |  |  |
|              |        | 3300                    | 4000 | 4000 | 6000 |   | 17300 | 2100                 | 2540 | 2540 | 3820 |      | 11000 | 2200     | 11000 | 12960 | 550               | 2930 | 3570 | 2.5     | 13.4 | 16.3 | 3.75 |  |  |
|              |        | 3300                    | 4000 | 4000 | 7800 |   | 19100 | 1910                 | 2300 | 2300 | 4490 |      | 11000 | 2280     | 11000 | 13110 | 570               | 2990 | 3630 | 2.6     | 13.7 | 16.6 | 3.68 |  |  |
|              |        | 3300                    | 4000 | 6000 | 6000 |   | 19300 | 1880                 | 2280 | 3420 | 3420 |      | 11000 | 2280     | 11000 | 13110 | 570               | 2990 | 3620 | 2.6     | 13.7 | 16.6 | 3.68 |  |  |
|              |        | 4000                    | 4000 | 4000 | 4000 |   | 16000 | 2700                 | 2700 | 2700 | 2700 |      | 10800 | 2160     | 10800 | 12800 | 540               | 2870 | 3510 | 2.5     | 13.1 | 16.1 | 3.76 |  |  |
|              |        | 4000                    | 4000 | 4000 | 6000 |   | 18000 | 2440                 | 2440 | 2440 | 3680 |      | 11000 | 2240     | 11000 | 12960 | 560               | 2930 | 3570 | 2.6     | 13.4 | 16.3 | 3.75 |  |  |
|              |        | 4000                    | 4000 | 4000 | 7800 |   | 19800 | 2220                 | 2220 | 2220 | 4340 |      | 11000 | 2320     | 11000 | 13430 | 580               | 3040 | 3720 | 2.7     | 13.9 | 17.0 | 3.62 |  |  |
|              |        | 4000                    | 4000 | 6000 | 6000 |   | 20000 | 2200                 | 2200 | 3300 | 3300 |      | 11000 | 2280     | 11000 | 13430 | 570               | 3040 | 3710 | 2.6     | 13.9 | 17.0 | 3.62 |  |  |

| HEATING      |        |                         |      |      |       |      |       |                      |      |      |       |      |       |          |       |       |                   |      |      |         |      |      |      |  |  |
|--------------|--------|-------------------------|------|------|-------|------|-------|----------------------|------|------|-------|------|-------|----------|-------|-------|-------------------|------|------|---------|------|------|------|--|--|
| Outdoor unit |        | Indoor unit combination |      |      |       |      |       | Cooling Capacity (W) |      |      |       |      |       | Capacity |       |       | Power Consumption |      |      | Current |      |      | EER  |  |  |
|              |        | A                       | B    | C    | D     | E    | Total | A                    | B    | C    | D     | E    | Total | W        |       |       | W                 |      |      | A       |      |      |      |  |  |
|              |        |                         |      |      |       |      |       |                      |      |      |       |      |       | MIN      | NOM   | MAX   | MIN               | NOM  | MAX  | MIN     | NOM  | MAX  |      |  |  |
| AJ100FCJ5EH  | 5 Unit | 2200                    | 2200 | 2200 | 2200  | 2200 | 11000 | 2200                 | 2200 | 2200 | 2200  | 2200 | 11000 | 1650     | 11000 | 13110 | 550               | 2970 | 3610 | 2.5     | 13.6 | 16.5 | 3.70 |  |  |
|              |        | 2200                    | 2200 | 2200 | 2200  | 3300 | 12100 | 2080                 | 2080 | 2080 | 2080  | 3120 | 11440 | 1820     | 11440 | 12960 | 550               | 2930 | 3570 | 2.5     | 13.4 | 16.3 | 3.90 |  |  |
|              |        | 2200                    | 2200 | 2200 | 2200  | 4000 | 12800 | 1990                 | 1990 | 1990 | 1990  | 3620 | 11580 | 1850     | 11580 | 13110 | 560               | 2980 | 3610 | 2.6     | 13.6 | 16.5 | 3.89 |  |  |
|              |        | 2200                    | 2200 | 2200 | 2200  | 6000 | 14800 | 1710                 | 1710 | 1710 | 1710  | 4660 | 11500 | 2000     | 11500 | 13430 | 570               | 3040 | 3710 | 2.6     | 13.9 | 17.0 | 3.78 |  |  |
|              |        | 2200                    | 2200 | 2200 | 2200  | 7800 | 16600 | 1580                 | 1580 | 1580 | 1580  | 5610 | 11930 | 2360     | 11930 | 13750 | 590               | 3140 | 3810 | 2.7     | 14.4 | 17.4 | 3.80 |  |  |
|              |        | 2200                    | 2200 | 2200 | 3300  | 3300 | 13200 | 1950                 | 1950 | 1950 | 2930  | 2930 | 11710 | 1930     | 11710 | 13430 | 550               | 3020 | 3690 | 2.5     | 13.8 | 16.9 | 3.88 |  |  |
|              |        | 2200                    | 2200 | 2200 | 3300  | 4000 | 13900 | 1880                 | 1880 | 1880 | 2820  | 3420 | 11880 | 1960     | 11880 | 13110 | 560               | 2980 | 3610 | 2.6     | 13.6 | 16.5 | 3.99 |  |  |
|              |        | 2200                    | 2200 | 2200 | 3300  | 6000 | 15900 | 1630                 | 1630 | 1630 | 2440  | 4450 | 11780 | 2280     | 11780 | 13590 | 570               | 3080 | 3750 | 2.6     | 14.1 | 17.2 | 3.82 |  |  |
|              |        | 2200                    | 2200 | 2200 | 3300  | 7800 | 17700 | 1490                 | 1490 | 1490 | 2240  | 5290 | 12000 | 2360     | 12000 | 13900 | 590               | 3190 | 3860 | 2.7     | 14.6 | 17.7 | 3.76 |  |  |
|              |        | 2200                    | 2200 | 2200 | 4000  | 4000 | 14600 | 1730                 | 1730 | 1730 | 3140  | 3140 | 11470 | 1960     | 11470 | 13430 | 560               | 3030 | 3700 | 2.6     | 13.9 | 16.9 | 3.79 |  |  |
|              |        | 2200                    | 2200 | 2200 | 4000  | 6000 | 16600 | 1580                 | 1580 | 1580 | 2880  | 4320 | 11940 | 2320     | 11940 | 13750 | 580               | 3130 | 3800 | 2.7     | 14.3 | 17.4 | 3.81 |  |  |
|              |        | 2200                    | 2200 | 2200 | 4000  | 7800 | 18400 | 1430                 | 1430 | 1430 | 2620  | 5090 | 12000 | 2400     | 12000 | 14000 | 600               | 3240 | 3940 | 2.7     | 14.8 | 18.0 | 3.70 |  |  |
|              |        | 2200                    | 2200 | 2200 | 6000  | 6000 | 18600 | 1420                 | 1420 | 1420 | 3870  | 3870 | 12000 | 2360     | 12000 | 14000 | 590               | 3230 | 3940 | 2.7     | 14.8 | 18.0 | 3.72 |  |  |
|              |        | 2200                    | 2200 | 3300 | 3300  | 3300 | 14300 | 1840                 | 1840 | 2760 | 2760  | 2760 | 11960 | 1930     | 11960 | 13430 | 550               | 3020 | 3690 | 2.5     | 13.8 | 16.9 | 3.96 |  |  |
|              |        | 2200                    | 2200 | 3300 | 3300  | 4000 | 15000 | 1690                 | 1690 | 2540 | 2540  | 3080 | 11540 | 1960     | 11540 | 13590 | 560               | 3070 | 3740 | 2.6     | 14.1 | 17.1 | 3.76 |  |  |
|              |        | 2200                    | 2200 | 3300 | 3300  | 6000 | 17000 | 1550                 | 1550 | 2330 | 2330  | 4240 | 12000 | 2280     | 12000 | 13900 | 570               | 3170 | 3840 | 2.6     | 14.5 | 17.6 | 3.79 |  |  |
|              |        | 2200                    | 2200 | 3300 | 3300  | 7800 | 18800 | 1400                 | 1400 | 2110 | 2110  | 4980 | 12000 | 2360     | 12000 | 14000 | 590               | 3280 | 3940 | 2.7     | 15.0 | 18.0 | 3.66 |  |  |
|              |        | 2200                    | 2200 | 3300 | 4000  | 4000 | 15700 | 1640                 | 1640 | 2470 | 2990  | 2990 | 11730 | 2240     | 11730 | 13590 | 560               | 3070 | 3740 | 2.6     | 14.1 | 17.1 | 3.82 |  |  |
|              |        | 2200                    | 2200 | 3300 | 4000  | 6000 | 17700 | 1490                 | 1490 | 2240 | 2710  | 4070 | 12000 | 2320     | 12000 | 13900 | 580               | 3170 | 3840 | 2.7     | 14.5 | 17.6 | 3.79 |  |  |
|              |        | 2200                    | 2200 | 3300 | 4000  | 7800 | 19500 | 1350                 | 1350 | 2040 | 2460  | 4800 | 12000 | 2400     | 12000 | 14000 | 600               | 3280 | 3940 | 2.7     | 15.0 | 18.0 | 3.66 |  |  |
|              |        | 2200                    | 2200 | 3300 | 6000  | 6000 | 19700 | 1340                 | 1340 | 2020 | 2460  | 4800 | 12000 | 2360     | 12000 | 14000 | 590               | 3280 | 3940 | 2.7     | 15.0 | 18.0 | 3.66 |  |  |
|              |        | 2200                    | 2200 | 4000 | 4000  | 4000 | 16400 | 1600                 | 1600 | 2900 | 2900  | 2900 | 11900 | 2280     | 11900 | 13750 | 570               | 3120 | 3790 | 2.6     | 14.3 | 17.3 | 3.81 |  |  |
|              |        | 2200                    | 2200 | 4000 | 4000  | 6000 | 18400 | 1430                 | 1430 | 2610 | 2610  | 3920 | 12000 | 2320     | 12000 | 14000 | 580               | 3220 | 3930 | 2.7     | 14.7 | 18.0 | 3.73 |  |  |
|              |        | 2200                    | 3300 | 3300 | 3300  | 3300 | 13500 | 1670                 | 2500 | 2500 | 2500  | 2500 | 11670 | 1930     | 11670 | 13590 | 550               | 3060 | 3730 | 2.5     | 14.0 | 17.1 | 3.81 |  |  |
|              |        | 2200                    | 3300 | 3300 | 3300  | 4000 | 16100 | 1620                 | 2420 | 2420 | 2420  | 2940 | 11820 | 2240     | 11820 | 13750 | 560               | 3110 | 3780 | 2.6     | 14.2 | 17.3 | 3.80 |  |  |
|              |        | 2200                    | 3300 | 3300 | 3300  | 6000 | 18100 | 1460                 | 2190 | 2190 | 2190  | 3970 | 12000 | 2280     | 12000 | 14000 | 570               | 3210 | 3920 | 2.6     | 14.7 | 17.9 | 3.74 |  |  |
|              |        | 2200                    | 3300 | 3300 | 3300  | 7800 | 19900 | 1330                 | 1990 | 1990 | 1990  | 4700 | 12000 | 2360     | 12000 | 14000 | 590               | 3320 | 3940 | 2.7     | 15.2 | 18.0 | 3.61 |  |  |
|              |        | 2200                    | 3300 | 3300 | 4000  | 4000 | 16800 | 1570                 | 2350 | 2360 | 2860  | 2860 | 12000 | 2240     | 12000 | 13900 | 560               | 3160 | 3830 | 2.6     | 14.5 | 17.5 | 3.80 |  |  |
|              |        | 2200                    | 3300 | 3300 | 4000  | 6000 | 18800 | 1400                 | 2110 | 2110 | 2550  | 3830 | 12000 | 2320     | 12000 | 14000 | 580               | 3260 | 3920 | 2.7     | 14.9 | 17.9 | 3.68 |  |  |
|              |        | 2200                    | 3300 | 3300 | 4000  | 7800 | 20600 | 1290                 | 1920 | 1920 | 2330  | 4540 | 12000 | 2400     | 12000 | 14000 | 600               | 3370 | 3940 | 2.7     | 15.4 | 18.0 | 3.56 |  |  |
|              |        | 2200                    | 3300 | 3300 | 6000  | 6000 | 20800 | 1280                 | 1900 | 1900 | 3460  | 3460 | 12000 | 2360     | 12000 | 14000 | 590               | 3370 | 3940 | 2.7     | 15.4 | 18.0 | 3.56 |  |  |
|              |        | 2200                    | 3300 | 4000 | 4000  | 4000 | 17500 | 1520                 | 2260 | 2740 | 2740  | 2740 | 12000 | 2280     | 12000 | 13900 | 570               | 3160 | 3830 | 2.6     | 14.5 | 17.5 | 3.80 |  |  |
| 2200         | 3300   | 4000                    | 4000 | 6000 | 19500 | 1360 | 2030  | 2460                 | 2460 | 3690 | 12000 | 2320 | 12000 | 14000    | 580   | 3270  | 3930              | 2.7  | 15.0 | 18.0    | 3.67 |      |      |  |  |
| 2200         | 4000   | 4000                    | 4000 | 4000 | 18200 | 1440 | 2640  | 2640                 | 2640 | 2640 | 12000 | 2280 | 12000 | 14000    | 570   | 3210  | 3920              | 2.6  | 14.7 | 17.9    | 3.74 |      |      |  |  |
| 3300         | 3300   | 3300                    | 3300 | 3300 | 16500 | 2400 | 2400  | 2400                 | 2400 | 2400 | 12000 | 3400 | 12000 | 14000    | 550   | 2930  | 3900              | 2.5  | 13.4 | 17.8    | 4.10 |      |      |  |  |
| 3300         | 3300   | 3300                    | 3300 | 4000 | 17200 | 2300 | 2300  | 2300                 | 2300 | 2800 | 12000 | 2240 | 12000 | 13900    | 560   | 3150  | 3820              | 2.6  | 14.4 | 17.5    | 3.81 |      |      |  |  |
| 3300         | 3300   | 3300                    | 3300 | 6000 | 19200 | 2060 | 2060  | 2060                 | 2060 | 3760 | 12000 | 2280 | 12000 | 14000    | 570   | 3260  | 3920              | 2.6  | 14.9 | 17.9    | 3.68 |      |      |  |  |
| 3300         | 3300   | 3300                    | 3300 | 7800 | 21000 | 1890 | 1890  | 1890                 | 1890 | 4440 | 12000 | 2360 | 12000 | 14000    | 590   | 3370  | 3940              | 2.7  | 15.4 | 18.0    | 3.56 |      |      |  |  |
| 3300         | 3300   | 3300                    | 4000 | 4000 | 17900 | 2210 | 2210  | 2210                 | 2680 | 2690 | 12000 | 2240 | 12000 | 14000    | 560   | 3200  | 3910              | 2.6  | 14.6 | 17.9    | 3.75 |      |      |  |  |
| 3300         | 3300   | 3300                    | 4000 | 6000 | 19900 | 1990 | 1990  | 1990                 | 2410 | 3620 | 12000 | 2320 | 12000 | 14000    | 580   | 3310  | 3920              | 2.7  | 15.1 | 17.9    | 3.63 |      |      |  |  |
| 3300         | 3300   | 4000                    | 4000 | 4000 | 18600 | 2130 | 2130  | 2580                 | 2580 | 2580 | 12000 | 2280 | 12000 | 14000    | 570   | 3250  | 3910              | 2.6  | 14.9 | 17.9    | 3.69 |      |      |  |  |
| 3300         | 3300   | 4000                    | 4000 | 6000 | 20600 | 1920 | 1920  | 2330                 | 2330 | 3500 | 12000 | 3400 | 12000 | 14000    | 580   | 3360  | 3930              | 2.7  | 15.4 | 18.0    | 3.57 |      |      |  |  |
| 3300         | 4000   | 4000                    | 4000 | 4000 | 19300 | 2040 | 2490  | 2490                 | 2490 | 2490 | 12000 | 2280 | 12000 | 14000    | 570   | 3260  | 3920              | 2.6  | 14.9 | 17.9    | 3.68 |      |      |  |  |

| TYPE \ CAPACITY |         | 2.6 kW | 3.5 kW                                                                            | 5.2 kW                                                                            | 6.0 kW                                                                                | 7.1 kW                                                                                | 9.0 kW                                                                                | 10.0 kW                                                                               | 12.5 kW                                                                               | 14.0 kW                                                                               |                                                                                       |
|-----------------|---------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| SMART INVERTER  | PREMIUM |        |                                                                                   |                                                                                   |                                                                                       |    |    |    |    |    |                                                                                       |
|                 |         |        |                                                                                   |                                                                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |                                                                                       |
|                 | 3PHASE  |        |                                                                                   |                                                                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |    |    |    |
|                 | DELUXE  | 1PHASE |  |  |    |    |    |    |    |    |    |
| 3PHASE          |         |        |                                                                                   |                                                                                   |                                                                                       |                                                                                       |                                                                                       |                                                                                       |  |  |  |
| R INVERTER      | 1PHASE  |        |                                                                                   |                                                                                   |  |  |  |  |                                                                                       |                                                                                       |                                                                                       |

| TYPE \ CAPACITY     | 10.0 kW                                                                             |
|---------------------|-------------------------------------------------------------------------------------|
| FLAGSHIP (One Size) |  |



Lineup & Feature - Indoor Units

Cassette

| MODEL    |                                                                                                           |  |  |  |  |  |
|----------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|          |                                                                                                           | 4Way Cassette S                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |
| CAPACITY | 2.6                                                                                                       |                                                                                   |                                                                                   |                                                                                    | ●                                                                                   | ●                                                                                   |
|          | 3.5                                                                                                       |                                                                                   |                                                                                   |                                                                                    | ●                                                                                   | ●                                                                                   |
|          | 5.2                                                                                                       |                                                                                   |                                                                                   | ●                                                                                  | ●                                                                                   |                                                                                     |
|          | 6.0                                                                                                       |                                                                                   |                                                                                   |                                                                                    | ●                                                                                   |                                                                                     |
|          | 7.1                                                                                                       |                                                                                   | ●                                                                                 | ●                                                                                  | ●                                                                                   |                                                                                     |
|          | 9.0                                                                                                       |                                                                                   | ●                                                                                 | ●                                                                                  |                                                                                     |                                                                                     |
|          | 10.0                                                                                                      | ●                                                                                 | ●                                                                                 | ●                                                                                  |                                                                                     |                                                                                     |
|          | 12.5                                                                                                      |                                                                                   | ●                                                                                 | ●                                                                                  |                                                                                     |                                                                                     |
|          | 14.0                                                                                                      |                                                                                   | ●                                                                                 | ●                                                                                  |                                                                                     |                                                                                     |
| FEATURES |  Powerful Airflow        | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          |  Ceiling Dust Prevention | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          |  Fresh Air Intake        | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   |                                                                                     |
|          |  High Lift-up Drain Pump | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   | ●                                                                                   |
|          |  Sub Duct               | ●                                                                                 | ●                                                                                 | ●                                                                                  | ●                                                                                   |                                                                                     |

Wall-mounted

| MODEL    |                                                                                                    |  |
|----------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| CAPACITY | 2.6                                                                                                | ●                                                                                   |
|          | 3.5                                                                                                | ●                                                                                   |
|          | 5.2                                                                                                | ●                                                                                   |
|          | 7.1                                                                                                | ●                                                                                   |
| FEATURES |  Full HD Filter | ●                                                                                   |
|          |  Smart Inverter | ●                                                                                   |
|          | good sleep                                                                                         | ●                                                                                   |

Duct

| MODEL    |                                                                                                             |  |  |
|----------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CAPACITY | 2.6                                                                                                         |                                                                                     |                                                                                       |
|          | 3.5                                                                                                         |                                                                                     | ●                                                                                     |
|          | 5.2                                                                                                         | ●                                                                                   | ●                                                                                     |
|          | 6.0                                                                                                         |                                                                                     |                                                                                       |
|          | 7.1                                                                                                         | ●                                                                                   | ●                                                                                     |
|          | 9.0                                                                                                         | ●                                                                                   |                                                                                       |
|          | 10.0                                                                                                        | ●                                                                                   |                                                                                       |
|          | 12.5                                                                                                        | ●                                                                                   |                                                                                       |
|          | 14.0                                                                                                        | ●                                                                                   |                                                                                       |
| FEATURES |  Pre Filter              | ●                                                                                   | ●                                                                                     |
|          |  Easy Filter Cleaning    | ●                                                                                   | ●                                                                                     |
|          |  High Lift-up Drain Pump | ●                                                                                   | ●                                                                                     |
|          |  Smart Pressure Control  | ●                                                                                   | ●                                                                                     |

Console & Ceiling

| MODEL    |                                                                                                                  |  |  |
|----------|------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| CAPACITY | 2.6                                                                                                              | ●                                                                                     |                                                                                       |
|          | 3.5                                                                                                              | ●                                                                                     |                                                                                       |
|          | 5.2                                                                                                              | ●                                                                                     | ●                                                                                     |
|          | 7.1                                                                                                              |                                                                                       | ●                                                                                     |
| FEATURES |  Virus Doctor               | ●                                                                                     |                                                                                       |
|          |  Interior Design            | ●                                                                                     | ●                                                                                     |
|          |  Anti-virus Filter          | ●                                                                                     | ●                                                                                     |
|          |  Lightweight Unit           | ●                                                                                     | ●                                                                                     |
|          |  Flexible Pipe Installation | ●                                                                                     | ●                                                                                     |





# Specification - Indoor Units



## 4Way Cassette S

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling



Flagship

Premium

| Model Name         |                                    | Indoor Unit        | AC100FB4FEH               | AC071FB4PEH               | AC090FB4PEH               | AC100FB4PEH               | NS1254PXE            |
|--------------------|------------------------------------|--------------------|---------------------------|---------------------------|---------------------------|---------------------------|----------------------|
|                    |                                    | Outdoor Unit       | AC100FCAFEH               | AC071FCAPEH               | AC090FCAPEH               | AC100FCAPEH               | RC125PHXGA           |
| Mode               |                                    | -                  | HEAT PUMP                 | HEAT PUMP                 | HEAT PUMP                 | HEAT PUMP                 | HEAT PUMP            |
| Capacity (Nominal) | Cooling (Min. / Std. / Max.)       | kW                 | 4.40/10.00/12.00          | 2.20/7.10/8.00            | 2.50/9.00/10.00           | 3.50/10.00/12.00          | 3.50/12.50/14.00     |
|                    | Heating (Min. / Std. / Max.)       | Btu/h              | 15,000/34,100/40,900      | 7,500/24,200/27,300       | 8,500/30,700/34,100       | 11,900/34,100/40,900      | 11,900/42,700/47,800 |
| Power              |                                    | kW                 | 3.50/11.20/15.50          | 1.90/8.00/9.00            | 2.30/10.00/13.90          | 3.50/11.20/15.50          | 3.50/14.00/16.20     |
|                    |                                    | Btu/h              | 11,900/38,200/52,900      | 6,500/27,300/30,700       | 7,800/34,100/47,400       | 11,900/38,200/52,900      | 11,900/47,800/55,300 |
|                    | Power Input (Nominal)              | kW                 | 1.05/2.38/3.10            | 0.35/1.97/4.00            | 0.60/2.65/3.70            | 0.80/2.50/3.80            | 0.80/3.47/4.80       |
|                    | Heating (Min. / Std. / Max.)       | kW                 | 0.62/2.46/4.60            | 0.35/2.10/4.00            | 0.48/2.63/5.20            | 0.70/2.60/4.50            | 0.70/3.59/4.50       |
|                    | Current Input (Nominal)            | A                  | 4.60/11.50/24.00          | 2.00/9.50/21.00           | 3.00/13.30/18.70          | 2.10/4.20/12.00           | 2.10/5.80/12.00      |
|                    | Heating (Min. / Std. / Max.)       | A                  | 3.00/11.80/24.00          | 2.00/8.80/21.00           | 2.40/13.00/23.00          | 3.50/11.90/24.00          | 2.10/5.80/16.10      |
|                    | MCA                                | A                  | 25.00 (MCA)               | 20.30 (MCA)               | 25.00 (MCA)               | 13.00 (MCA)               | 13.00 (MCA)          |
|                    | MFA                                | A                  | 30.00                     | 25.00                     | 30.00                     | 15.00                     | 30.00                |
| Energy Efficiency  | EER (Nominal Cooling)              | -                  | 4.20                      | 3.60                      | 3.40                      | 4.00                      | 4.00                 |
|                    | COP (Nominal Heating)              | -                  | 4.55                      | 3.81                      | 3.80                      | 4.31                      | 3.90                 |
| Energy Grade       | -                                  | -                  | Energy Grade (C) 6.7(A++) | Energy Grade (C) 6.4(A++) | Energy Grade (C) 6.4(A++) | Energy Grade (C) 6.4(A++) | Energy Grade (C) A   |
|                    | -                                  | -                  | Energy Grade (H) 4.31(A+) | Energy Grade (H) 4.2(A+)  | Energy Grade (H) 4.2(A+)  | Energy Grade (H) 4.21(A+) | Energy Grade (H) A   |
| Piping Connections | Φ, mm                              | 9.52               | 9.52                      | 9.52                      | 9.52                      | 9.52                      | 9.52                 |
|                    | Φ, inch                            | 3/8"               | 3/8"                      | 3/8"                      | 3/8"                      | 3/8"                      | 3/8"                 |
|                    | Φ, mm                              | 15.88              | 15.88                     | 15.88                     | 15.88                     | 15.88                     | 15.88                |
|                    | Φ, inch                            | 5/8"               | 5/8"                      | 5/8"                      | 5/8"                      | 5/8"                      | 5/8"                 |
|                    | Max. Length (Outdoor to indoor)    | m                  | 75(75)                    | 50(55)                    | 50(55)                    | 75(75)                    | 75(75)               |
| Field Wiring       | Max. Height (Between ID/OD)        | m                  | 30(30)                    | 30(30)                    | 30(30)                    | 30(30)                    | 30(30)               |
|                    | Power Source Wire                  | -                  | 4.0 ~ 6.0                 | 2.5 ~ 4.0                 | 1.5 ~ 2.5                 | 2.5 ~ 4.0                 | 1.5 ~ 2.5            |
| Refrigerant        | Transmission Cable                 | -                  | 0.75 ~ 1.25               | 0.75 ~ 1.0                | 0.75 ~ 1.0                | 0.75 ~ 1.25               | 0.75 ~ 1.25          |
|                    | Type                               | -                  | R410A                     | R410A                     | R410A                     | R410A                     | R410A                |
| Control Method     | -                                  | -                  | -                         | -                         | -                         | -                         | -                    |
|                    | Factory Charging                   | kg                 | 3.80                      | 1.80                      | 3.00                      | 3.40                      | 3.40                 |
| INDOOR UNIT        |                                    |                    |                           |                           |                           |                           |                      |
| Power Supply       | Φ, #, V, Hz                        | 1,2,220-240,50     | 1,2,220-240,50            | 1,2,220-240,50            | 1,2,220-240,50            | 1,2,220-240,50            | 1,2,220-240,50       |
| Motor              | Type                               | -                  | Turbo Fan                 | Turbo Fan                 | Turbo Fan                 | Turbo Fan                 | Turbo Fan            |
|                    | Output                             | W                  | -                         | -                         | -                         | -                         | -                    |
|                    | Number of Unit                     | EA                 | 1.00                      | 1.00                      | 1.00                      | 1.00                      | 1.00                 |
|                    | Air Flow Rate                      | CMM                | 32.00/28.00/22.00         | 21.00/19.00/17.00         | 27.00/24.00/20.00         | 30.00/24.00/18.90         | 32.00/28.00/22.00    |
|                    | External Static Pressure           | l/s                | 533.33/466.67/366.67      | 350.00/316.67/283.33      | 450.00/400.00/333.33      | 500.00/400.00/315.00      | 533.33/466.67/366.67 |
| Drain              | mmAq                               | -                  | -                         | -                         | -                         | -                         | -                    |
|                    | Pa                                 | -                  | -                         | -                         | -                         | -                         | -                    |
|                    | Φ,mm                               | VP25 (OD 32,ID 25) | VP25 (OD 32,ID 25)        | VP25 (OD 32,ID 25)        | VP25 (OD 32,ID 25)        | VP25 (OD 32,ID 25)        | VP25 (OD 32,ID 25)   |
|                    | Sound Pressure                     | dB(A)              | 45.00/38.5/32.0           | 37.00/33.0/28.0           | 42.00/37.0/32.0           | 44.00/39.0/34.0           | 44.00/40.0/36.0      |
|                    | Net Weight                         | kg                 | 20.00                     | 17.00                     | 18.00                     | 21.00                     | 20.00                |
| External Dimension | Shipping Weight                    | kg                 | 25.00                     | 22.00                     | 23.00                     | 26.00                     | 26.00                |
|                    | Net Dimensions (WxHxD)             | mm                 | 840 x 288 x 840           | 840 x 246 x 840           | 840 x 288 x 840           | 840 x 288 x 840           | 840 x 288 x 840      |
|                    | Shipping Dimensions (WxHxD)        | mm                 | 898 x 357 x 898           | 898 x 316 x 898           | 898 x 357 x 898           | 898 x 357 x 898           | 898 x 357 x 898      |
|                    | Panel model                        | -                  | PC4NUSKE                  | PC4NUSKE                  | PC4NUSKE                  | PC4NUSKE                  | PC4NUSKE             |
|                    | Panel Net Weight                   | kg                 | 5.90                      | 5.90                      | 5.90                      | 5.90                      | 5.90                 |
| Panel Size         | Shipping Weight                    | kg                 | 8.40                      | 8.40                      | 8.40                      | 8.40                      | 8.40                 |
|                    | Net Dimensions (WxHxD)             | mm                 | 950 x 45 x 950            | 950 x 45 x 950            | 950 x 45 x 950            | 950 x 45 x 950            | 950 x 45 x 950       |
|                    | Shipping Dimensions (WxHxD)        | mm                 | 1005 x 100 x 1005         | 1005 x 100 x 1005         | 1005 x 100 x 1005         | 1005 x 100 x 1005         | 1005 x 100 x 1005    |
|                    | Additional Accessories             | Drain pump         | -                         | -                         | -                         | -                         | -                    |
|                    | Max. lifting Height / Displacement | mm / liter/h       | -                         | -                         | -                         | -                         | -                    |
| Air Filter         | -                                  | -                  | -                         | -                         | -                         | -                         | -                    |
|                    | OUTDOOR UNIT                       |                    |                           |                           |                           |                           |                      |
| Power Supply       | Φ, #, V, Hz                        | 1,2,220-240,50     | 1,2,220-240,50            | 1,2,220-240,50            | 3,4,380-415,50            | 1,2,220-240,50            | 3,4,380-415,50       |
| Compressor         | Type                               | -                  | Twin BLDC Rotary          | Twin BLDC Rotary          | Twin BLDC Rotary          | Twin BLDC Rotary          | Twin BLDC Rotary     |
|                    | Model                              | -                  | UGST450FJAUXSG            | UG4T200FJAEJUSG           | UG8T200FJUEJUSG           | UG5T450FJUEJXSG           | UG5T450FJUEJXSG      |
|                    | Output                             | kW                 | 4.01                      | 1.79                      | 2.82                      | 4.12                      | 4.12                 |
|                    | Oil                                | -                  | POE                       | POE                       | POE                       | POE                       | POE                  |
|                    | Initial Charge                     | cc                 | 1700.00                   | 650.00                    | 1200.00                   | 1700.00                   | 1700.00              |
| Fan                | Air Flow Rate                      | CMM                | 112.00                    | 50.00                     | 63.50                     | 91.00                     | 90.50                |
|                    | Cooling                            | l/s                | 1,866.67                  | 833.33                    | 1,058.33                  | 1,516.67                  | 1,508.33             |
| Sound              | Sound Pressure                     | dB(A)              | 49.0 / 51.0               | 49.0 / 51.0               | 50.0 / 52.0               | 50.0 / 52.0               | 51.0 / 52.0          |
|                    | Cooling / Heating                  | dB(A)              | 49.0 / 51.0               | 49.0 / 51.0               | 50.0 / 52.0               | 50.0 / 52.0               | 51.0 / 52.0          |
| External Dimension | Net Weight                         | kg                 | 98.00                     | 55.00                     | 72.00                     | 91.00                     | 88.00                |
|                    | Shipping Weight                    | kg                 | 108.00                    | 59.00                     | 77.00                     | 101.00                    | 98.00                |
|                    | Net Dimensions (WxHxD)             | mm                 | 940 x 1420 x 330          | 880 x 798 x 310           | 940 x 998 x 330           | 940 x 1210 x 330          | 940 x 1210 x 330     |
|                    | Shipping Dimensions (WxHxD)        | mm                 | 1009 x 1578 x 419         | 1023 x 891 x 413          | 995 x 1096 x 426          | 995 x 1338 x 426          | 995 x 1338 x 426     |
|                    | Operating Temp. Range              | Cooling            | °C                        | -15~50                    | -15~50                    | -15~50                    | -15~50               |
| Heating            | °C                                 | -20~24             | -20~24                    | -20~24                    | -20~24                    | -20~24                    | -20~24               |



Specification - Indoor Units



4Way Cassette S

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling



|                              |                              |                                 |                              | Premium                            |                      |                      |                      | Deluxe               |                      |                      |                           |                      |                           |                      |                           |                      |  |
|------------------------------|------------------------------|---------------------------------|------------------------------|------------------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------------------|----------------------|---------------------------|----------------------|---------------------------|----------------------|--|
| Model Name                   |                              | Indoor Unit                     |                              | NS1254PXE                          |                      | NS1404PXE            |                      | NS1404PXE            |                      | AC052FB4DEH          |                           | AC071FB4DEH          |                           | AC090FB4DEH          |                           |                      |  |
|                              |                              | Outdoor Unit                    |                              | RC125PHXE                          |                      | RC140PHXE            |                      | RC140PHXE            |                      | AC052FC4DEH          |                           | AC071FC4DEH          |                           | AC090FC4DEH          |                           |                      |  |
| Capacity<br>(Nominal)        | Mode                         |                                 | -                            |                                    | HEAT PUMP            |                      | HEAT PUMP            |                      | HEAT PUMP            |                      | HEAT PUMP                 |                      | HEAT PUMP                 |                      | HEAT PUMP                 |                      |  |
|                              | Cooling (Min. / Std. / Max.) |                                 | kW                           |                                    | 3.50/12.50/14.00     |                      | 4.40/14.00/15.50     |                      | 4.40/14.00/15.50     |                      | 2.20/7.10/8.00            |                      | 3.00/9.00/10.00           |                      | 3.00/9.00/10.00           |                      |  |
|                              |                              |                                 | Btu/h                        |                                    | 11,900/42,700/47,800 |                      | 15,000/47,800/52,900 |                      | 15,000/47,800/52,900 |                      | 3,400/17,400/20,500       |                      | 7,500/24,200/27,300       |                      | 10,200/30,700/34,100      |                      |  |
|                              |                              |                                 | kW                           |                                    | 3.50/14.00/16.20     |                      | 3.50/16.00/20.00     |                      | 3.50/16.00/20.00     |                      | 1.00/5.70/7.00            |                      | 1.90/8.00/9.00            |                      | 2.20/10.00/13.90          |                      |  |
| Heating (Min. / Std. / Max.) |                              | Btu/h                           |                              | 11,900/47,800/55,300               |                      | 11,900/54,600/68,200 |                      | 11,900/54,600/68,200 |                      | 3,400/19,400/23,900  |                           | 6,500/27,300/30,700  |                           | 7,500/34,100/47,400  |                           |                      |  |
|                              |                              | kW                              |                              | 0.80/3.47/4.80                     |                      | 1.05/4.00/5.40       |                      | 1.05/4.00/5.40       |                      | 0.35/1.54/2.10       |                           | 0.35/2.21/4.00       |                           | 0.60/2.99/3.70       |                           |                      |  |
|                              |                              | A                               |                              | 0.70/3.59/4.50                     |                      | 0.87/4.10/6.50       |                      | 0.87/4.10/6.50       |                      | 0.25/1.46/1.90       |                           | 0.35/2.22/4.00       |                           | 0.46/2.93/5.20       |                           |                      |  |
| Power                        | Current Input (Nominal)      |                                 | Cooling (Min. / Std. / Max.) |                                    | 3.70/15.50/24.00     |                      | 4.60/17.80/24.00     |                      | 2.10/7.10/12.00      |                      | 2.00/10.00/21.00          |                      | 3.00/12.70/18.70          |                      | 3.00/12.70/18.70          |                      |  |
|                              | Current Input (Nominal)      |                                 | Heating (Min. / Std. / Max.) |                                    | 3.50/16.00/24.00     |                      | 4.00/18.70/28.00     |                      | 2.00/7.20/16.10      |                      | 2.00/10.00/21.00          |                      | 2.50/12.50/22.70          |                      | 2.50/12.50/22.70          |                      |  |
|                              | MCA                          |                                 | A                            |                                    | 25.00 (MCA)          |                      | 33.00 (MCA)          |                      | 13.00 (MCA)          |                      | 20.30 (MCA)               |                      | 24.70 (MCA)               |                      | 24.70 (MCA)               |                      |  |
|                              | MFA                          |                                 | A                            |                                    | 30.00                |                      | 40.00                |                      | 15.00                |                      | 25.00                     |                      | 30.00                     |                      | 30.00                     |                      |  |
| Energy Efficiency            | EER (Nominal Cooling)        |                                 | -                            |                                    | 3.60                 |                      | 3.50                 |                      | 3.50                 |                      | 3.31                      |                      | 3.21                      |                      | 3.01                      |                      |  |
|                              | COP (Nominal Heating)        |                                 | -                            |                                    | 3.90                 |                      | 3.90                 |                      | 3.90                 |                      | 3.60                      |                      | 3.41                      |                      | 3.41                      |                      |  |
|                              | Energy Grade                 |                                 | -                            |                                    | Energy Grade (C) A   |                      | Energy Grade (C) A   |                      | Energy Grade (C) A   |                      | Energy Grade (C) 6.0(A++) |                      | Energy Grade (C) 6.0(A++) |                      | Energy Grade (C) 5.6(A++) |                      |  |
|                              | Energy Grade                 |                                 | -                            |                                    | Energy Grade (H) A   |                      | Energy Grade (H) A   |                      | Energy Grade (H) A   |                      | Energy Grade (H) 4.0(A++) |                      | Energy Grade (H) 3.9(A)   |                      | Energy Grade (H) 3.8(A)   |                      |  |
| Piping Connections           | Liquid Pipe                  |                                 | Φ, mm                        |                                    | 9.52                 |                      | 9.52                 |                      | 9.52                 |                      | 6.35                      |                      | 6.35                      |                      | 9.52                      |                      |  |
|                              |                              |                                 | Φ, inch                      |                                    | 3/8"                 |                      | 3/8"                 |                      | 3/8"                 |                      | 1/4"                      |                      | 1/4"                      |                      | 3/8"                      |                      |  |
|                              | Gas Pipe                     |                                 | Φ, mm                        |                                    | 15.88                |                      | 15.88                |                      | 12.70                |                      | 15.88                     |                      | 15.88                     |                      | 15.88                     |                      |  |
|                              |                              |                                 | Φ, inch                      |                                    | 5/8"                 |                      | 5/8"                 |                      | 1/2"                 |                      | 5/8"                      |                      | 5/8"                      |                      | 5/8"                      |                      |  |
| Installation Limitation      |                              | Max. Length (Outdoor to indoor) |                              | 75(75)                             |                      | 75(75)               |                      | 75(75)               |                      | 30(35)               |                           | 50(55)               |                           | 50(55)               |                           | 50(55)               |  |
|                              |                              | Max. Height (Between ID/OD)     |                              | 30(30)                             |                      | 30(30)               |                      | 30(30)               |                      | 20(20)               |                           | 30(30)               |                           | 30(30)               |                           | 30(30)               |  |
| Field Wiring                 | Power Source Wire            |                                 | -                            |                                    | 2.5 ~ 4.0            |                      | 4.0 ~ 6.0            |                      | 1.5 ~ 2.5            |                      | 2.5 ~ 4.0                 |                      | 2.5 ~ 4.0                 |                      | 2.5 ~ 4.0                 |                      |  |
|                              | Transmission Cable           |                                 | -                            |                                    | 0.75 ~ 1.25          |                      | 0.75 ~ 1.25          |                      | 0.75 ~ 1.25          |                      | 0.75 ~ 1.0                |                      | 0.75 ~ 1.25               |                      | 0.75 ~ 1.25               |                      |  |
| Refrigerant                  | Type                         |                                 | -                            |                                    | R410A                |                      | R410A                |                      | R410A                |                      | R410A                     |                      | R410A                     |                      | R410A                     |                      |  |
|                              | Control Method               |                                 | -                            |                                    | -                    |                      | -                    |                      | -                    |                      | -                         |                      | -                         |                      | -                         |                      |  |
|                              | Factory Charging             |                                 | kg                           |                                    | 3.40                 |                      | 3.80                 |                      | 3.80                 |                      | 1.40                      |                      | 1.80                      |                      | 3.00                      |                      |  |
| INDOOR UNIT                  |                              |                                 |                              |                                    |                      |                      |                      |                      |                      |                      |                           |                      |                           |                      |                           |                      |  |
| Power Supply                 |                              | Φ, #, V, Hz                     |                              | 1,2,220-240,50                     |                      | 1,2,220-240,50       |                      | 1,2,220-240,50       |                      | 1,2,220-240,50       |                           | 1,2,220-240,50       |                           | 1,2,220-240,50       |                           | 1,2,220-240,50       |  |
|                              |                              | Type                            |                              | Turbo Fan                          |                      | Turbo Fan            |                      | Turbo Fan            |                      | Turbo Fan            |                           | Turbo Fan            |                           | Turbo Fan            |                           | Turbo Fan            |  |
|                              |                              | Motor                           |                              | W                                  |                      | -                    |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
|                              |                              | Number of Unit                  |                              | EA                                 |                      | 1.00                 |                      | 1.00                 |                      | 1.00                 |                           | 1.00                 |                           | 1.00                 |                           | 1.00                 |  |
|                              |                              | Air Flow Rate                   |                              | High / Mid / Low                   |                      | CMM                  |                      | 32.00/28.00/22.00    |                      | 32.00/28.00/22.00    |                           | 17.00/15.50/13.00    |                           | 19.50/16.50/14.50    |                           | 24.50/21.00/17.50    |  |
|                              |                              | External Static Pressure        |                              | Min / Std / Max                    |                      | mmAq                 |                      | 533.33/466.67/366.67 |                      | 533.33/466.67/366.67 |                           | 283.33/258.33/216.67 |                           | 325.00/275.00/241.67 |                           | 408.33/350.00/291.67 |  |
|                              |                              |                                 |                              | Pa                                 |                      | -                    |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
|                              |                              |                                 |                              |                                    |                      | -                    |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
|                              |                              |                                 |                              |                                    |                      | -                    |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
| Drain                        | Drain Pipe                   |                                 | Φ,mm                         |                                    | VP25 (OD 32,ID 25)   |                      | VP25 (OD 32,ID 25)   |                      | VP25 (OD 32,ID 25)   |                      | VP25 (OD 32,ID 25)        |                      | VP25 (OD 32,ID 25)        |                      | VP25 (OD 32,ID 25)        |                      |  |
| Sound                        | Sound Pressure               |                                 | High / Mid / Low             |                                    | dB(A)                |                      | 44.00/40.0/36.0      |                      | 45.00/41.5/38.0      |                      | 35.00/32.0/29.0           |                      | 37.00/35.0/30.0           |                      | 40.00/36.0/32.0           |                      |  |
| External Dimension           | Net Weight                   |                                 | kg                           |                                    | 20.00                |                      | 20.00                |                      | 21.00                |                      | 15.50                     |                      | 15.00                     |                      | 16.00                     |                      |  |
|                              | Shipping Weight              |                                 | kg                           |                                    | 26.00                |                      | 26.00                |                      | 26.00                |                      | 19.50                     |                      | 20.50                     |                      | 20.50                     |                      |  |
|                              | Net Dimensions (WxHxD)       |                                 | mm                           |                                    | 840 x 288 x 840      |                      | 840 x 288 x 840      |                      | 840 x 288 x 840      |                      | 840 x 204 x 840           |                      | 840 x 246 x 840           |                      | 840 x 246 x 840           |                      |  |
|                              | Shipping Dimensions (WxHxD)  |                                 | mm                           |                                    | 898 x 357 x 898      |                      | 898 x 357 x 898      |                      | 898 x 357 x 898      |                      | 898 x 274 x 898           |                      | 898 x 274 x 898           |                      | 898 x 316 x 898           |                      |  |
| Panel Size                   | Panel model                  |                                 | -                            |                                    | PC4NUSKE             |                      | PC4NUSKE             |                      | PC4NUSKE             |                      | -                         |                      | PC4NUSKE                  |                      | PC4NUSKE                  |                      |  |
|                              | Panel Net Weight             |                                 | kg                           |                                    | 5.90                 |                      | 5.90                 |                      | 5.90                 |                      | 5.90                      |                      | 5.90                      |                      | 5.90                      |                      |  |
|                              | Shipping Weight              |                                 | kg                           |                                    | 8.40                 |                      | 8.40                 |                      | 8.40                 |                      | 8.40                      |                      | 8.40                      |                      | 8.40                      |                      |  |
|                              | Net Dimensions (WxHxD)       |                                 | mm                           |                                    | 950 x 45 x 950       |                      | 950 x 45 x 950       |                      | 950 x 45 x 950       |                      | 950 x 45 x 950            |                      | 950 x 45 x 950            |                      | 950 x 45 x 950            |                      |  |
| Additional Accessories       |                              | Shipping Dimensions (WxHxD)     |                              | mm                                 |                      | 1005 x 100 x 1005    |                      | 1005 x 100 x 1005    |                      | 1005 x 100 x 1005    |                           | 1005 x 100 x 1005    |                           | 1005 x 100 x 1005    |                           | 1005 x 100 x 1005    |  |
|                              |                              | Drain pump                      |                              | -                                  |                      | -                    |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
|                              |                              | Drain pump                      |                              | Max. lifting Height / Displacement |                      | mm / liter/h         |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
|                              |                              | Air Filter                      |                              | -                                  |                      | -                    |                      | -                    |                      | -                    |                           | -                    |                           | -                    |                           | -                    |  |
| OUTDOOR UNIT                 |                              |                                 |                              |                                    |                      |                      |                      |                      |                      |                      |                           |                      |                           |                      |                           |                      |  |
| Power Supply                 |                              | Φ, #, V, Hz                     |                              | 1,2,220-240,50                     |                      | 1,2,220-240,50       |                      | 3,4,380-415,50       |                      | 1,2,220-240,50       |                           | 1,2,220-240,50       |                           | 1,2,220-240,50       |                           | 1,2,220-240,50       |  |
| Compressor                   | Type                         |                                 | -                            |                                    | Twin BLDC Rotary     |                      | Twin BLDC Rotary     |                      | Twin BLDC Rotary     |                      | Twin BLDC Rotary          |                      | Twin BLDC Rotary          |                      | Twin BLDC Rotary          |                      |  |
|                              | Model                        |                                 | -                            |                                    | UG5T450FUEJXSG       |                      | UG5T450FUEJXSG       |                      | UG5T450FUEJXSG       |                      | UG4T150FUEJQ              |                      | UG4T200FUEJ4SG            |                      | UG8T300FUEJUSG            |                      |  |
|                              | Output                       |                                 | kW                           |                                    | 4.12                 |                      | 4.01                 |                      | 4.01                 |                      | 1.37                      |                      | 1.79                      |                      | 2.82                      |                      |  |
|                              |                              |                                 | Type                         |                                    | POE                  |                      | POE                  |                      | POE                  |                      | POE                       |                      | POE                       |                      | POE                       |                      |  |
| Fan                          |                              | Initial Charge                  |                              | cc                                 |                      | 1700.00              |                      | 1700.00              |                      | 1700.00              |                           | 650.00               |                           | 650.00               |                           | 1200.00              |  |
|                              |                              | Air Flow Rate                   |                              | CMM                                |                      | 90.50                |                      | 101.00               |                      | 101.00               |                           | 50.00                |                           | 63.50                |                           | 63.50                |  |
|                              |                              | Cooling                         |                              | l/s                                |                      | 1,508.33             |                      | 1,683.33             |                      | 1,683.33             |                           | -                    |                           | 833.33               |                           | 1,058.33             |  |
| Sound                        | Sound Pressure               |                                 | Cooling / Heating            |                                    | dB(A)                |                      | 51.0 / 52.0          |                      | 51.0 / 53.0          |                      | 48.0 / 49.0               |                      | 49.0 / 51.0               |                      | 51.0 / 52.0               |                      |  |
| External Dimension           | Net Weight                   |                                 | kg                           |                                    | 88.00                |                      | 98.00                |                      | 101.00               |                      | 38.50                     |                      | 55.00                     |                      | 72.00                     |                      |  |
|                              | Shipping Weight              |                                 | kg                           |                                    | 98.00                |                      | 108.00               |                      | 111.00               |                      | 42.50                     |                      | 59.00                     |                      | 77.00                     |                      |  |
|                              | Net Dimensions (WxHxD)       |                                 | mm                           |                                    | 940 x 1210 x 330     |                      | 940 x 1420 x 330     |                      | 940 x 1420 x 330     |                      | 790 x 548 x 285           |                      | 880 x 798 x 310           |                      | 940 x 998 x 330           |                      |  |
|                              | Shipping Dimensions (WxHxD)  |                                 | mm                           |                                    | 995 x 1338 x 426     |                      | 1009 x 1548 x 419    |                      | 1009 x 1548 x 419    |                      | 926 x 655 x 382           |                      | 1023 x 891 x 413          |                      | 995 x 1096 x 426          |                      |  |
| Operating Temp. Range        | Cooling                      |                                 | °C                           |                                    | -15~50               |                      | -15~50               |                      | -15~50               |                      | -15~46                    |                      | -15~50                    |                      | -15~50                    |                      |  |
|                              | Heating                      |                                 | °C                           |                                    | -20~24               |                      | -20~24               |                      | -20~24               |                      | -15~24                    |                      | -20~24                    |                      | -20~24                    |                      |  |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

Optional Accessories

Individual Controllers

MWR-WE10

MWR-WH0\*

MWR-SH00

MR-DH00

Panel

PC4NUSKA

PC4NBSKA

PC4NUSKE

## - Indoor Units



# 4Way Cassette S

- Virus Doctor (Optional)
- Surround Flow
- Individual Blade Control
- Fan Speed Adjustment for High Ceiling



|                          |                                    |  |                                 |  |                           |  |                           |  |                      | Deluxe |                      |  |                      |  |
|--------------------------|------------------------------------|--|---------------------------------|--|---------------------------|--|---------------------------|--|----------------------|--------|----------------------|--|----------------------|--|
| Model Name               | Indoor Unit                        |  | AC100FB4DEH                     |  | AC100FB4DEH               |  | NS1254DXEA                |  | NS1254DXEA           |        | NS1404DXEA           |  | NS1404DXEA           |  |
|                          | Outdoor Unit                       |  | AC100FCADGH                     |  | AC100FCADGH               |  | RC12SDHXEB                |  | RC12SDHXGA           |        | RC140DHXEB           |  | RC140DHXGA           |  |
| Mode                     | -                                  |  | HEAT PUMP                       |  | HEAT PUMP                 |  | HEAT PUMP                 |  | HEAT PUMP            |        | HEAT PUMP            |  | HEAT PUMP            |  |
| Capacity (Nominal)       | Cooling (Min. / Std. / Max.)       |  | kW                              |  | 3.20/10.00/12.00          |  | 3.50/12.50/14.00          |  | 3.50/12.50/14.00     |        | 3.50/14.00/15.50     |  | 3.50/14.00/15.50     |  |
|                          | Heating (Min. / Std. / Max.)       |  | Btu/h                           |  | 13,600/34,100/40,900      |  | 10,900/34,100/40,900      |  | 11,900/42,700/47,800 |        | 11,900/47,800/52,900 |  | 11,900/47,800/52,900 |  |
| Power                    |                                    |  | kW                              |  | 3.50/11.20/15.50          |  | 3.00/14.00/16.20          |  | 3.00/14.00/16.20     |        | 3.50/16.00/18.00     |  | 3.50/16.00/18.00     |  |
|                          |                                    |  | Btu/h                           |  | 11,900/38,200/52,900      |  | 7,500/38,200/52,900       |  | 10,200/47,800/55,300 |        | 10,200/47,800/55,300 |  | 11,900/54,600/61,400 |  |
|                          | Power Input (Nominal)              |  | Cooling (Min. / Std. / Max.)    |  | 0.90/3.32/4.70            |  | 0.60/3.32/4.70            |  | 0.80/3.89/4.50       |        | 0.80/4.36/5.40       |  | 0.80/4.36/5.40       |  |
|                          |                                    |  | Heating (Min. / Std. / Max.)    |  | 0.70/3.28/5.50            |  | 0.50/3.32/5.20            |  | 0.81/3.88/4.88       |        | 0.81/3.88/4.88       |  | 0.70/4.43/6.16       |  |
|                          | Current Input (Nominal)            |  | Cooling (Min. / Std. / Max.)    |  | 1.60/5.10/7.80            |  | 3.00/15.10/20.50          |  | 4.00/18.00/20.00     |        | 2.10/6.10/12.10      |  | 3.70/20.00/24.00     |  |
|                          |                                    |  | Heating (Min. / Std. / Max.)    |  | A                         |  | 2.60/14.60/24.00          |  | 3.50/18.00/24.00     |        | 2.10/6.10/16.10      |  | 3.50/20.00/24.00     |  |
| Energy Efficiency        | MCA                                |  | A                               |  | 12.70 (MCA)               |  | 24.70 (MCA)               |  | 13.00 (MCA)          |        | 25.00 (MCA)          |  | 13.00 (MCA)          |  |
|                          | MFA                                |  | A                               |  | 15.00                     |  | 30.00                     |  | 15.00                |        | 30.00                |  | 15.00                |  |
|                          | EER (Nominal Cooling)              |  | -                               |  | 3.01                      |  | 3.01                      |  | 3.21                 |        | 3.21                 |  | 3.21                 |  |
|                          | COP (Nominal Heating)              |  | -                               |  | 3.41                      |  | 3.37                      |  | 3.61                 |        | 3.61                 |  | 3.61                 |  |
|                          | Energy Grade                       |  | -                               |  | Energy Grade (C) 5.6(A++) |  | Energy Grade (C) 5.6(A++) |  | Energy Grade (C) A   |        | Energy Grade (C) A   |  | Energy Grade (C) A   |  |
| Piping Connections       |                                    |  | Energy Grade (H) 3.8(A)         |  | Energy Grade (H) 3.8(A)   |  | Energy Grade (H) A        |  | Energy Grade (H) A   |        | Energy Grade (H) A   |  | Energy Grade (H) A   |  |
|                          | Liquid Pipe                        |  | Φ, mm                           |  | 9.52                      |  | 9.52                      |  | 9.52                 |        | 9.52                 |  | 9.52                 |  |
|                          |                                    |  | Φ, inch                         |  | 3/8"                      |  | 3/8"                      |  | 3/8"                 |        | 3/8"                 |  | 3/8"                 |  |
|                          | Gas Pipe                           |  | Φ, mm                           |  | 15.88                     |  | 15.88                     |  | 15.88                |        | 15.88                |  | 15.88                |  |
|                          |                                    |  | Φ, inch                         |  | 5/8"                      |  | 5/8"                      |  | 5/8"                 |        | 5/8"                 |  | 5/8"                 |  |
| Field Wiring             | Installation Limitation            |  | Max. Length (Outdoor to indoor) |  | m                         |  | 50(55)                    |  | 75(75)               |        | 75(75)               |  | 75(75)               |  |
|                          | Max. Height (Between ID/OD)        |  | m                               |  | 30(30)                    |  | 30(30)                    |  | 30(30)               |        | 30(30)               |  | 30(30)               |  |
| Refrigerant              | Power Source Wire                  |  | -                               |  | 1.5 ~ 2.5                 |  | 2.5 ~ 4.0                 |  | 1.5 ~ 2.5            |        | 2.5 ~ 4.0            |  | 1.5 ~ 2.5            |  |
| Control Method           | Transmission Cable                 |  | -                               |  | 0.75 ~ 1.25               |  | 0.75 ~ 1.25               |  | 0.75 ~ 1.25          |        | 0.75 ~ 1.25          |  | 0.75 ~ 1.25          |  |
|                          | Type                               |  | -                               |  | R410A                     |  | R410A                     |  | R410A                |        | R410A                |  | R410A                |  |
| Factory Charging         | kg                                 |  | 3.10                            |  | 3.00                      |  | 2.90                      |  | 2.90                 |        | 3.40                 |  | 3.40                 |  |
| INDOOR UNIT              |                                    |  |                                 |  |                           |  |                           |  |                      |        |                      |  |                      |  |
| Power Supply             | Φ, #, V, Hz                        |  | 1,2,220-240,50                  |  | 1,2,220-240,50            |  | 1,2,220-240,50            |  | 1,2,220-240,50       |        | 1,2,220-240,50       |  | 1,2,220-240,50       |  |
| Type                     | -                                  |  | Turbo Fan                       |  | Turbo Fan                 |  | Turbo Fan                 |  | Turbo Fan            |        | Turbo Fan            |  | Turbo Fan            |  |
|                          | W                                  |  | -                               |  | -                         |  | -                         |  | -                    |        | -                    |  | -                    |  |
|                          | EA                                 |  | 1.00                            |  | 1.00                      |  | 1.00                      |  | 1.00                 |        | 1.00                 |  | 1.00                 |  |
|                          | CMM                                |  | 28.00/25.50/22.00               |  | 28.00/25.50/22.00         |  | 30.00/24.00/19.00         |  | 30.00/24.00/19.00    |        | 32.00/28.00/22.00    |  | 32.00/28.00/22.00    |  |
|                          | l/s                                |  | 466.67/425.00/366.67            |  | 466.67/425.00/366.67      |  | 500.00/400.00/316.67      |  | 500.00/400.00/316.67 |        | 533.33/466.67/366.67 |  | 533.33/466.67/366.67 |  |
| External Static Pressure | Min / Std / Max                    |  | mmAq                            |  | -                         |  | -                         |  | -                    |        | -                    |  | -                    |  |
|                          |                                    |  | Pa                              |  | -                         |  | -                         |  | -                    |        | -                    |  | -                    |  |
|                          | VP25 (OD 32,ID 25)                 |  | VP25 (OD 32,ID 25)              |  | VP25 (OD 32,ID 25)        |  | VP25 (OD 32,ID 25)        |  | VP25 (OD 32,ID 25)   |        | VP25 (OD 32,ID 25)   |  | VP25 (OD 32,ID 25)   |  |
|                          | dB(A)                              |  | 44.00/39.0/34.0                 |  | 44.00/39.0/34.0           |  | 44.00/40.0/36.0           |  | 44.00/40.0/36.0      |        | 45.00/41.5/38.0      |  | 45.00/41.5/38.0      |  |
|                          | kg                                 |  | 16.00                           |  | 16.00                     |  | 18.00                     |  | 18.00                |        | 20.00                |  | 20.00                |  |
| Shipping Weight          | kg                                 |  | 20.50                           |  | 20.50                     |  | 24.00                     |  | 24.00                |        | 26.00                |  | 26.00                |  |
|                          | mm                                 |  | 840 x 246 x 840                 |  | 840 x 246 x 840           |  | 840 x 288 x 840           |  | 840 x 288 x 840      |        | 840 x 288 x 840      |  | 840 x 288 x 840      |  |
|                          | mm                                 |  | 898 x 316 x 898                 |  | 898 x 316 x 898           |  | 898 x 357 x 898           |  | 898 x 357 x 898      |        | 898 x 357 x 898      |  | 898 x 357 x 898      |  |
|                          | PC4NUSKE                           |  | PC4NUSKE                        |  | PC4NUSKE                  |  | PC4NUSKE                  |  | PC4NUSKE             |        | PC4NUSKE             |  | PC4NUSKE             |  |
|                          | kg                                 |  | 5.90                            |  | 5.90                      |  | 5.90                      |  | 5.90                 |        | 5.90                 |  | 5.90                 |  |
| Shipping Weight          | kg                                 |  | 8.40                            |  | 8.40                      |  | 8.40                      |  | 8.40                 |        | 8.40                 |  | 8.40                 |  |
|                          | mm                                 |  | 950 x 45 x 950                  |  | 950 x 45 x 950            |  | 950 x 45 x 950            |  | 950 x 45 x 950       |        | 950 x 45 x 950       |  | 950 x 45 x 950       |  |
|                          | mm                                 |  | 1005 x 100 x 1005               |  | 1005 x 100 x 1005         |  | 1005 x 100 x 1005         |  | 1005 x 100 x 1005    |        | 1005 x 100 x 1005    |  | 1005 x 100 x 1005    |  |
|                          | Drain pump                         |  | -                               |  | -                         |  | -                         |  | -                    |        | -                    |  | -                    |  |
|                          | Max. lifting Height / Displacement |  | mm / liter/h                    |  | -                         |  | -                         |  | -                    |        | -                    |  | -                    |  |
| Air Filter               | -                                  |  | -                               |  | -                         |  | -                         |  | -                    |        | -                    |  | -                    |  |
| OUTDOOR UNIT             |                                    |  |                                 |  |                           |  |                           |  |                      |        |                      |  |                      |  |
| Power Supply             | Φ, #, V, Hz                        |  | 3,4,380-415,50                  |  | 1,2,220-240,50            |  | 1,2,220-240,50            |  | 3,4,380-415,50       |        | 1,2,220-240,50       |  | 3,4,380-415,50       |  |
| Compressor               | -                                  |  | Twin BLDC Rotary                |  | Twin BLDC Rotary          |  | Twin BLDC Rotary          |  | Twin BLDC Rotary     |        | Twin BLDC Rotary     |  | Twin BLDC Rotary     |  |
|                          | -                                  |  | UG5T450FUFJXSG                  |  | UG8T300FUFJXSG            |  | UG5T450FUFJXSG            |  | UG5T450FUFJXSG       |        | UG5T450FUFJXSG       |  | UG5T450FUFJXSG       |  |
|                          | kW                                 |  | 4.12                            |  | 2.82                      |  | 4.12                      |  | 4.12                 |        | 4.12                 |  | 4.12                 |  |
|                          | POE                                |  | POE                             |  | POE                       |  | POE                       |  | POE                  |        | POE                  |  | POE                  |  |
|                          | Oil                                |  | Initial Charge                  |  | cc                        |  | 1700.00                   |  | 1700.00              |        | 1700.00              |  | 1700.00              |  |
| Fan                      | CMM                                |  | 68.00                           |  | 68.00                     |  | 90.50                     |  | 90.50                |        | 90.50                |  | 90.50                |  |
|                          | Air Flow Rate                      |  | Cooling                         |  | l/s                       |  | 1,133.33                  |  | 1,508.33             |        | 1,508.33             |  | 1,508.33             |  |
| Sound                    | Sound Pressure                     |  | Cooling / Heating               |  | dB(A)                     |  | 52.0 / 54.0               |  | 51.0 / 52.0          |        | 52.0 / 54.0          |  | 52.0 / 54.0          |  |
| External Dimension       | Net Weight                         |  | kg                              |  | 81.00                     |  | 72.00                     |  | 88.00                |        | 88.00                |  | 91.00                |  |
|                          | Shipping Weight                    |  | kg                              |  | 86.00                     |  | 77.00                     |  | 98.00                |        | 98.00                |  | 101.00               |  |
|                          | Net Dimensions (WxHxD)             |  | mm                              |  | 940 x 998 x 330           |  | 940 x 998 x 330           |  | 940 x 1210 x 330     |        | 940 x 1210 x 330     |  | 940 x 1210 x 330     |  |
|                          | Shipping Dimensions (WxHxD)        |  | mm                              |  | 995 x 1096 x 426          |  | 995 x 1096 x 426          |  | 995 x 1338 x 426     |        | 995 x 1338 x 426     |  | 995 x 1338 x 426     |  |
| Operating Temp. Range    | Cooling                            |  | °C                              |  | -15~50                    |  | -15~50                    |  | -15~50               |        | -15~50               |  | -15~50               |  |
|                          | Heating                            |  | °C                              |  | -20~24                    |  | -20~24                    |  | -20~24               |        | -20~24               |  | -20~24               |  |

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## Optional Accessories



MWR-WE10

MWR-WHO\*

MWR-SH00

MR-DH00

## Panel



PC4NUSKA

PC4NBSKA

PC4NUSKE



# Specification - Indoor Units



## Mini 4Way Cassette S

- Compact and Light Unit
- Virus Doctor (Optional)
- Motion Detect Sensor (Optional)
- No Overflowing Drain Water



| Model Name             |                              |                                    | Indoor Unit  | Outdoor Unit | AC026FBNDEH<br>AC026FCADEH  | AC035FBNDEH<br>AC035FCADEH  | AC052FBNDEH<br>AC052FCADEH  | AC060FBNDEH<br>AC071FCADEH  | AC071FBNDEH<br>AC071FCADEH  |
|------------------------|------------------------------|------------------------------------|--------------|--------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Mode                   |                              |                                    | -            |              | HEAT PUMP                   | HEAT PUMP                   | HEAT PUMP                   | HEAT PUMP                   | HEAT PUMP                   |
| Capacity<br>(Nominal)  | Cooling (Min. / Std. / Max.) |                                    | kW           |              | 0.99/2.60/3.50              | 0.99/3.50/4.20              | 1.30/5.00/6.50              | 1.80/5.80/6.50              | 2.00/6.80/7.50              |
|                        | Heating (Min. / Std. / Max.) |                                    | Btu/h        |              | 3,400/8,900/11,900          | 3,400/11,900/14,300         | 4,400/17,100/20,100         | 6,100/19,800/22,200         | 6,800/23,200/25,600         |
| Power                  | Cooling (Min. / Std. / Max.) |                                    | kW           |              | 0.23/0.73/1.13              | 0.24/1.09/1.45              | 0.31/1.66/2.10              | 0.38/1.81/2.60              | 0.39/2.26/2.60              |
|                        | Heating (Min. / Std. / Max.) |                                    | Btu/h        |              | 0.98/3.30/4.60              | 0.98/4.00/5.00              | 1.30/5.50/7.50              | 1.60/7.00/9.00              | 1.60/7.50/10.00             |
| Energy Efficiency      | Power Input (Nominal)        | Cooling (Min. / Std. / Max.)       | A            |              | 1.20/4.60/6.60              | 1.20/5.70/6.70              | 2.90/7.50/11.00             | 1.70/10.00/17.30            | 1.70/10.70/17.60            |
|                        | Current Input (Nominal)      | Heating (Min. / Std. / Max.)       | A            |              | 10.30 (MCA)                 | 10.30 (MCA)                 | 10.80 (MCA)                 | 20.30 (MCA)                 | 20.30 (MCA)                 |
|                        | MCA                          |                                    | A            |              | 12.50                       | 12.50                       | 13.13                       | 25.00                       | 25.00                       |
|                        | MFA                          |                                    | A            |              | 3.56                        | 3.21                        | 3.01                        | 3.20                        | 3.01                        |
| Energy Efficiency      | EER (Nominal Cooling)        |                                    | -            |              | 3.67                        | 3.60                        | 3.42                        | 3.21                        | 3.11                        |
|                        | COP (Nominal Heating)        |                                    | -            |              | Energy Grade (C) 6.70 (A++) | Energy Grade (C) 6.50 (A++) | Energy Grade (C) 6.30 (A++) | Energy Grade (C) 6.20 (A++) | Energy Grade (C) 6.10 (A++) |
|                        | Energy Grade                 |                                    | -            |              | Energy Grade (H) 4.00 (A+)  | Energy Grade (H) 4.00 (A+)  | Energy Grade (H) 3.80 (A)   | Energy Grade (H) 3.80 (A)   | Energy Grade (H) 3.80 (A)   |
|                        |                              |                                    | -            |              | 6.35                        | 6.35                        | 6.35                        | 6.35                        | 6.35                        |
| Piping Connections     | Liquid Pipe                  |                                    | Φ, mm        |              | 1/4"                        | 1/4"                        | 1/4"                        | 1/4"                        | 1/4"                        |
|                        | Gas Pipe                     |                                    | Φ, mm        |              | 9.52                        | 9.52                        | 12.70                       | 15.88                       | 15.88                       |
|                        |                              |                                    | Φ, inch      |              | 3/8"                        | 3/8"                        | 1/2"                        | 5/8"                        | 5/8"                        |
|                        | Installation Limitation      | Max. Length (Outdoor to indoor)    | m            |              | 20(25)                      | 20(25)                      | 30(35)                      | 50(55)                      | 50(55)                      |
| Field Wiring           | Power Source Wire            |                                    | m            |              | 15(15)                      | 15(15)                      | 20(20)                      | 30(30)                      | 30(30)                      |
|                        | Transmission Cable           |                                    | -            |              | 2.5                         | 2.5                         | 2.5                         | 2.5                         | 2.5                         |
| Refrigerant            | Type                         |                                    | -            |              | 0.75 ~ 1.25                 | 0.75 ~ 1.25                 | 0.75 ~ 1.25                 | 0.75 ~ 1.25                 | 0.75 ~ 1.25                 |
|                        |                              |                                    | -            |              | R410A                       | R410A                       | R410A                       | R410A                       | R410A                       |
| Control Method         |                              |                                    | -            |              | -                           | -                           | -                           | -                           | -                           |
| Factory Charging       |                              |                                    | kg           |              | 0.95                        | 0.95                        | 1.40                        | 1.80                        | 1.80                        |
| INDOOR UNIT            |                              |                                    |              |              |                             |                             |                             |                             |                             |
| Power Supply           |                              |                                    | Φ, #, V, Hz  |              | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              |
| Compressor             | Type                         |                                    | -            |              | Turbo Fan                   | Turbo Fan                   | Turbo Fan                   | Turbo Fan                   | Turbo Fan                   |
|                        | Motor                        |                                    | W            |              | 65.00                       | 65.00                       | 65.00                       | 65.00                       | 65.00                       |
|                        | Number of Unit               |                                    | EA           |              | 1.00                        | 1.00                        | 1.00                        | 1.00                        | 1.00                        |
|                        | Air Flow Rate                | High / Mid / Low                   | CMM          |              | 8.50/7.50/6.50              | 9.50/8.00/6.50              | 12.00/10.50/9.00            | 11.50/10.50/9.50            | 11.50/10.50/9.50            |
|                        | External Static Pressure     | Min / Std / Max                    | l/s          |              | 141.67/125.00/108.33        | 158.33/133.33/108.33        | 200.00/175.00/150.00        | 183.33/166.67/150.00        | 191.67/175.00/158.33        |
| Drain                  | External Static Pressure     |                                    | mmAq         |              | -                           | -                           | -                           | -                           | -                           |
|                        |                              |                                    | Pa           |              | -                           | -                           | -                           | -                           | -                           |
|                        | Drain Pipe                   |                                    | Φ, mm        |              | VP25 (OD 32, ID 25)         | VP25 (OD 32, ID 25)         | VP25 (OD 32, ID 25)         | VP25 (OD 32, ID 25)         | VP25 (OD 32, ID 25)         |
| Sound                  | Sound Pressure               | High / Mid / Low                   | dB(A)        |              | 33.00/31.0/27.0             | 35.00/33.0/29.0             | 39.00/37.0/34.0             | 41.00/38.0/35.0             | 42.00/40.0/36.0             |
|                        | Net Weight                   |                                    | kg           |              | 11.00                       | 11.00                       | 11.70                       | 12.00                       | 12.00                       |
|                        | Shipping Weight              |                                    | kg           |              | 13.00                       | 13.00                       | 13.70                       | 14.00                       | 14.00                       |
|                        | Net Dimensions (WxHxD)       |                                    | mm           |              | 575 x 250 x 575             | 575 x 250 x 575             | 575 x 250 x 575             | 575 x 250 x 575             | 575 x 250 x 575             |
| Panel Size             | Shipping Dimensions (WxHxD)  |                                    | mm           |              | 623 x 298 x 653             | 623 x 298 x 653             | 623 x 298 x 653             | 623 x 298 x 653             | 623 x 298 x 653             |
|                        | Panel model                  |                                    | -            |              | PC4SUSMB                    | PC4SUSMB                    | PC4SUSMB                    | PC4SUSMB                    | PC4SUSMB                    |
|                        | Panel Net Weight             |                                    | kg           |              | 2.70                        | 2.70                        | 2.70                        | 2.70                        | 2.70                        |
|                        | Shipping Weight              |                                    | kg           |              | 4.20                        | 4.20                        | 4.20                        | 4.20                        | 4.20                        |
| Additional Accessories | Net Dimensions (WxHxD)       |                                    | mm           |              | 670 x 45 x 670              | 670 x 45 x 670              | 670 x 45 x 670              | 670 x 45 x 670              | 670 x 45 x 670              |
|                        | Shipping Dimensions (WxHxD)  |                                    | mm           |              | 714 x 106 x 724             | 714 x 106 x 724             | 714 x 106 x 724             | 714 x 106 x 724             | 714 x 106 x 724             |
|                        | Drain pump                   |                                    | -            |              | -                           | -                           | -                           | -                           | -                           |
|                        | Drain pump                   | Max. lifting Height / Displacement | mm / liter/h |              | -                           | -                           | -                           | -                           | -                           |
| Air Filter             |                              |                                    | -            |              | -                           | -                           | -                           | -                           | -                           |
| OUTDOOR UNIT           |                              |                                    |              |              |                             |                             |                             |                             |                             |
| Power Supply           |                              |                                    | Φ, #, V, Hz  |              | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              |
| Compressor             | Type                         |                                    | -            |              | Single BLDC Rotary          | Single BLDC Rotary          | Twin BLDC Rotary            | Twin BLDC Rotary            | Twin BLDC Rotary            |
|                        | Model                        |                                    | -            |              | UG4C090LUDJR                | UG4C090LUDJR                | UG4T150FUDJQ                | UG4T200FUA4SG               | UG4T200FUA4SG               |
|                        | Output                       |                                    | kW           |              | 0.86                        | 0.86                        | 1.37                        | 1.79                        | 1.79                        |
|                        | Oil                          |                                    | -            |              | POE                         | POE                         | POE                         | POE                         | POE                         |
|                        | Initial Charge               |                                    | cc           |              | 320.00                      | 320.00                      | 650.00                      | 650.00                      | 650.00                      |
| Fan                    | Air Flow Rate                | Cooling                            | CMM          |              | 29.00                       | 30.00                       | 33.00                       | 50.00                       | 52.00                       |
|                        | Sound Pressure               | Cooling / Heating                  | l/s          |              | 483.33                      | 500.00                      | 550.00                      | 833.33                      | 866.67                      |
| External Dimension     | Sound Pressure               |                                    | dB(A)        |              | 46.0 / 47.0                 | 47.0 / 48.0                 | 48.0 / 49.0                 | 49.0 / 50.0                 | 49.0 / 51.0                 |
|                        | Net Weight                   |                                    | kg           |              | 33.00                       | 33.00                       | 38.50                       | 55.00                       | 55.00                       |
|                        | Shipping Weight              |                                    | kg           |              | 37.00                       | 37.00                       | 42.50                       | 59.00                       | 59.00                       |
|                        | Net Dimensions (WxHxD)       |                                    | mm           |              | 790 x 548 x 285             | 790 x 548 x 285             | 790 x 548 x 285             | 880 x 798 x 310             | 880 x 798 x 310             |
| Operating Temp. Range  | Shipping Dimensions (WxHxD)  |                                    | mm           |              | 926 x 655 x 382             | 926 x 655 x 382             | 926 x 655 x 382             | 1023 x 891 x 413            | 1023 x 891 x 413            |
|                        | Cooling                      |                                    | °C           |              | -10~46                      | -10~46                      | -15~46                      | -15~46                      | -15~50                      |
| Heating                |                              |                                    | °C           |              | -15~24                      | -15~24                      | -15~24                      | -20~24                      | -20~24                      |

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### Optional Accessories

#### Individual Controllers



MWR-WE10



MWR-WH0\*



MWR-SH00



MR-DH00

#### Panel



PC4SUSMB



PC4SUSMF





# Specification - Indoor Units

## Slim 1Way Cassette



- Slim and Compact Design
- Quiet Operation
- No Overflowing Drain Water



|                        |                                    |                                 |                                                              |                                                             |
|------------------------|------------------------------------|---------------------------------|--------------------------------------------------------------|-------------------------------------------------------------|
| Model Name             | Indoor Unit                        |                                 | AC026FB1DEH                                                  | AC035FB1DEH                                                 |
|                        | Outdoor Unit                       |                                 | AC026FCAD6H                                                  | AC035FCAD6H                                                 |
| Mode                   |                                    |                                 | HEAT PUMP                                                    | HEAT PUMP                                                   |
| Capacity (Nominal)     | Cooling (Min. / Std. / Max.)       |                                 | kW<br>0.98/2.60/3.50<br>Btu/h<br>3,300/8,900/11,900          | 0.98/3.50/4.10<br>3,300/11,900/14,000                       |
|                        | Heating (Min. / Std. / Max.)       |                                 | kW<br>0.95/3.30/4.60<br>Btu/h<br>3,200/11,300/15,700         | 0.95/4.00/4.75<br>3,200/13,600/16,200                       |
| Power                  | Power Input (Nominal)              | Cooling (Min. / Std. / Max.)    | 0.25/0.74/1.12                                               | 0.25/1.16/1.42                                              |
|                        |                                    | Heating (Min. / Std. / Max.)    | 0.21/0.91/1.30                                               | 0.21/1.16/1.39                                              |
|                        | Current Input (Nominal)            | Cooling (Min. / Std. / Max.)    | 1.60/3.40/5.20                                               | 1.60/5.40/6.60                                              |
|                        |                                    | Heating (Min. / Std. / Max.)    | 1.40/4.30/6.40                                               | 1.40/5.50/6.80                                              |
|                        | MCA                                |                                 | A<br>10.30 (MCA)                                             | A<br>10.30 (MCA)                                            |
| Energy Efficiency      | MFA                                |                                 | A<br>12.50                                                   | A<br>12.50                                                  |
|                        | EER (Nominal Cooling)              |                                 | -<br>3.51                                                    | -<br>3.02                                                   |
|                        | COP (Nominal Heating)              |                                 | -<br>3.63                                                    | -<br>3.45                                                   |
|                        | Energy Grade                       |                                 | -<br>Energy Grade (C) 5.60 (A+)<br>Energy Grade (H) 3.80 (A) | -<br>Energy Grade (C) 5.40 (A)<br>Energy Grade (H) 3.80 (A) |
| Piping Connections     | Liquid Pipe                        |                                 | Φ, mm<br>6.35                                                | 6.35                                                        |
|                        |                                    |                                 | Φ, inch<br>1/4"                                              | 1/4"                                                        |
|                        | Gas Pipe                           |                                 | Φ, mm<br>9.52                                                | 9.52                                                        |
|                        |                                    |                                 | Φ, inch<br>3/8"                                              | 3/8"                                                        |
|                        | Installation Limitation            | Max. Length (Outdoor to indoor) | m<br>20(25)                                                  | 20(25)                                                      |
| Field Wiring           | Max. Height (Between ID/OD)        | m<br>15(15)                     | 15(15)                                                       |                                                             |
|                        | Power Source Wire                  |                                 | -<br>1.5 ~ 1.5                                               | -<br>1.5 ~ 1.5                                              |
| Refrigerant            | Transmission Cable                 |                                 | -<br>0.75 ~ 1.25                                             | -<br>0.75 ~ 1.25                                            |
|                        | Type                               |                                 | -<br>R410A                                                   | -<br>R410A                                                  |
|                        | Control Method                     |                                 | -<br>-                                                       | -<br>-                                                      |
|                        | Factory Charging                   |                                 | kg<br>0.95                                                   | 0.95                                                        |
| INDOOR UNIT            |                                    |                                 |                                                              |                                                             |
| Power Supply           |                                    | Φ, #, V, Hz                     | 1,2,220-240,50                                               | 1,2,220-240,50                                              |
|                        | Type                               |                                 | -<br>Crossflow Fan                                           | -<br>Crossflow Fan                                          |
|                        | Motor                              | Output                          | W<br>20.00                                                   | 20.00                                                       |
|                        | Number of Unit                     |                                 | EA<br>1.00                                                   | 1.00                                                        |
|                        | Air Flow Rate                      | High / Mid / Low                | CMM<br>8.00/7.00/6.00<br>l/s<br>133.33/116.67/100.00         | 9.50/8.00/6.50<br>158.33/133.33/108.33                      |
|                        | External Static Pressure           | Min / Std / Max                 | mmAq<br>-                                                    | -                                                           |
| Drain                  | Drain Pipe                         |                                 | Φ, mm<br>VP20 (OD 26, ID 20)                                 | VP20 (OD 26, ID 20)                                         |
| Sound                  | Sound Pressure                     | High / Mid / Low                | dB(A)<br>30.00/27.5/25.0                                     | 33.00/30.0/27.0                                             |
| External Dimension     | Net Weight                         |                                 | kg<br>9.90                                                   | 9.90                                                        |
|                        | Shipping Weight                    |                                 | kg<br>12.50                                                  | 12.50                                                       |
|                        | Net Dimensions (WxHxD)             |                                 | mm<br>970 x 135 x 410                                        | 970 x 135 x 410                                             |
|                        | Shipping Dimensions (WxHxD)        |                                 | mm<br>1173 x 231 x 487                                       | 1173 x 231 x 487                                            |
| Panel Size             | Panel model                        |                                 | -<br>PSSMA                                                   | PSSMA                                                       |
|                        | Panel Net Weight                   |                                 | kg<br>3.10                                                   | 3.10                                                        |
|                        | Shipping Weight                    |                                 | kg<br>4.50                                                   | 4.50                                                        |
|                        | Net Dimensions (WxHxD)             |                                 | mm<br>1180 x 25 x 460                                        | 1180 x 25 x 460                                             |
|                        | Shipping Dimensions (WxHxD)        |                                 | mm<br>1259 x 144 x 539                                       | 1259 x 144 x 539                                            |
| Additional Accessories | Drain pump                         | Drain pump                      | -<br>-                                                       | -<br>-                                                      |
|                        | Max. lifting Height / Displacement | mm / liter/h                    | -<br>-                                                       | -<br>-                                                      |
|                        | Air Filter                         |                                 | -<br>-                                                       | -<br>-                                                      |
| OUTDOOR UNIT           |                                    |                                 |                                                              |                                                             |
| Power Supply           |                                    | Φ, #, V, Hz                     | 1,2,220-240,50                                               | 1,2,220-240,50                                              |
|                        | Compressor                         | Type                            | -<br>Single BLDC Rotary                                      | -<br>Single BLDC Rotary                                     |
|                        | Model                              |                                 | -<br>UG4C090LUDJR                                            | UG4C090LUDJR                                                |
|                        | Output                             |                                 | kW<br>0.86                                                   | 0.86                                                        |
|                        | Oil                                | Type                            | -<br>POE                                                     | -<br>POE                                                    |
|                        | Initial Charge                     | cc                              | 320.00                                                       | 320.00                                                      |
| Fan                    | Air Flow Rate                      | Cooling                         | CMM<br>29.00                                                 | 30.00                                                       |
|                        |                                    |                                 | l/s<br>483.33                                                | 500.00                                                      |
| Sound                  | Sound Pressure                     | Cooling / Heating               | dB(A)<br>47.0 / 47.0                                         | 47.0 / 47.0                                                 |
| External Dimension     | Net Weight                         |                                 | kg<br>33.00                                                  | 33.00                                                       |
|                        | Shipping Weight                    |                                 | kg<br>37.00                                                  | 37.00                                                       |
|                        | Net Dimensions (WxHxD)             |                                 | mm<br>790 x 548 x 285                                        | 790 x 548 x 285                                             |
|                        | Shipping Dimensions (WxHxD)        |                                 | mm<br>926 x 655 x 382                                        | 926 x 655 x 382                                             |
| Operating Temp. Range  | Cooling                            |                                 | °C<br>-10~46                                                 | -10~46                                                      |
|                        | Heating                            |                                 | °C<br>-15~24                                                 | -15~24                                                      |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

### Optional Accessories

Individual Controllers

MWR-WE10

MWR-WH0\*

MWR-SH00

MR-DH00

### Standard Accessories

Panel

PSSMA

PC1NUPMA

## MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



|                        |                                    |             |                                 |              |                          |             |                          |             |                         | Smart Inverter |                         |             |                         |             |  |
|------------------------|------------------------------------|-------------|---------------------------------|--------------|--------------------------|-------------|--------------------------|-------------|-------------------------|----------------|-------------------------|-------------|-------------------------|-------------|--|
| Model Name             |                                    | Indoor Unit |                                 | Outdoor Unit |                          | AC052FBMDEH |                          | AC071FBMDEH |                         | AC090FBMDEH    |                         | AC100FBMDEH |                         | AC100FCADGH |  |
| Mode                   |                                    |             |                                 | -            |                          | HEAT PUMP   |                          | HEAT PUMP   |                         | HEAT PUMP      |                         | HEAT PUMP   |                         | HEAT PUMP   |  |
| Capacity (Nominal)     | Cooling (Min. / Std. / Max.)       |             | kW                              |              | 1.00/5.00/6.00           |             | 2.20/7.10/8.00           |             | 2.80/9.00/11.50         |                | 3.20/10.00/12.00        |             | 3.20/10.00/12.00        |             |  |
|                        | Heating (Min. / Std. / Max.)       |             | Btu/h                           |              | 3,400/17,100/20,500      |             | 7,500/24,200/27,300      |             | 9,600/30,700/39,200     |                | 10,900/34,100/40,900    |             | 10,900/34,100/40,900    |             |  |
| Power                  |                                    |             | kW                              |              | 0.75/6.00/7.20           |             | 1.90/8.00/9.00           |             | 3.00/10.00/15.50        |                | 3.00/11.20/15.50        |             | 3.00/11.20/15.50        |             |  |
|                        |                                    |             | Btu/h                           |              | 2,600/20,500/24,600      |             | 6,500/27,300/30,700      |             | 10,200/34,100/52,900    |                | 10,200/38,200/52,900    |             | 10,200/38,200/52,900    |             |  |
|                        | Power Input (Nominal)              |             | Cooling (Min. / Std. / Max.)    |              | 0.43/1.56/2.20           |             | 0.35/2.21/4.00           |             | 0.82/2.80/3.80          |                | 0.88/3.22/5.00          |             | 0.88/3.22/5.00          |             |  |
|                        | Heating (Min. / Std. / Max.)       |             | kW                              |              | 0.33/1.66/2.30           |             | 0.35/2.22/4.00           |             | 0.80/2.77/5.20          |                | 0.71/3.10/5.50          |             | 0.71/3.10/5.50          |             |  |
|                        | Current Input (Nominal)            |             | Cooling (Min. / Std. / Max.)    |              | 2.20/7.50/10.00          |             | 2.00/10.50/21.00         |             | 4.00/13.00/16.50        |                | 4.00/15.20/21.00        |             | 2.20/5.40/7.30          |             |  |
|                        | Heating (Min. / Std. / Max.)       |             | A                               |              | 1.90/7.80/10.00          |             | 2.00/10.50/21.00         |             | 3.30/12.50/24.00        |                | 3.30/13.50/24.00        |             | 1.70/5.00/9.00          |             |  |
| Energy Efficiency      | MCA                                |             | A                               |              | 10.80 (MCA)              |             | 20.30 (MCA)              |             | 24.70 (MCA)             |                | 24.70 (MCA)             |             | 12.70 (MCA)             |             |  |
|                        | MFA                                |             | A                               |              | 13.13                    |             | 25.00                    |             | 30.00                   |                | 30.00                   |             | 15.00                   |             |  |
|                        | EER (Nominal Cooling)              |             | -                               |              | 3.21                     |             | 3.21                     |             | 3.21                    |                | 3.11                    |             | 3.11                    |             |  |
|                        | COP (Nominal Heating)              |             | -                               |              | 3.61                     |             | 3.60                     |             | 3.61                    |                | 3.61                    |             | 3.61                    |             |  |
|                        | Energy Grade                       |             | -                               |              | Energy Grade (C) 5.6(A+) |             | Energy Grade (C) 5.7(A+) |             | Energy Grade (C) 5.4(A) |                | Energy Grade (C) 5.2(A) |             | Energy Grade (C) 5.1(A) |             |  |
|                        |                                    |             | -                               |              | Energy Grade (H) 3.6(A)  |             | Energy Grade (H) 3.8(A)  |             | Energy Grade (H) 3.7(A) |                | Energy Grade (H) 3.5(A) |             | Energy Grade (H) 3.5(A) |             |  |
| Piping Connections     | Liquid Pipe                        |             | Φ, mm                           |              | 6.35                     |             | 6.35                     |             | 9.52                    |                | 9.52                    |             | 9.52                    |             |  |
|                        |                                    |             | Φ, inch                         |              | 1/4"                     |             | 1/4"                     |             | 3/8"                    |                | 3/8"                    |             | 3/8"                    |             |  |
|                        | Gas Pipe                           |             | Φ, mm                           |              | 12.70                    |             | 15.88                    |             | 15.88                   |                | 15.88                   |             | 15.88                   |             |  |
|                        |                                    |             | Φ, inch                         |              | 1/2"                     |             | 5/8"                     |             | 5/8"                    |                | 5/8"                    |             | 5/8"                    |             |  |
|                        | Installation Limitation            |             | Max. Length (Outdoor to indoor) |              | 30(35)                   |             | 50(55)                   |             | 50(55)                  |                | 50(55)                  |             | 50(55)                  |             |  |
|                        |                                    |             | Max. Height (Between ID/OD)     |              | 20(20)                   |             | 30(30)                   |             | 30(30)                  |                | 30(30)                  |             | 30(30)                  |             |  |
| Field Wiring           | Power Source Wire                  |             | -                               |              | 2.5 ~ 4.0                |             | 2.5 ~ 4.0                |             | 2.5 ~ 4.0               |                | 2.5 ~ 4.0               |             | 1.5 ~ 2.5               |             |  |
|                        | Transmission Cable                 |             | -                               |              | 0.75 ~ 1.25              |             | 0.75 ~ 1.0               |             | 0.75 ~ 1.25             |                | 0.75 ~ 1.25             |             | 0.75 ~ 1.25             |             |  |
| Refrigerant            | Type                               |             | -                               |              | R410A                    |             | R410A                    |             | R410A                   |                | R410A                   |             | R410A                   |             |  |
|                        | Control Method                     |             | -                               |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
| Factory Charging       | kg                                 |             | 1.40                            |              | 1.40                     |             | 1.80                     |             | 3.00                    |                | 3.00                    |             | 3.10                    |             |  |
| INDOOR UNIT            |                                    |             |                                 |              |                          |             |                          |             |                         |                |                         |             |                         |             |  |
| Power Supply           | Φ, #, V, Hz                        |             | 1,2,220-240,50                  |              | 1,2,220-240,50           |             | 1,2,220-240,50           |             | 1,2,220-240,50          |                | 1,2,220-240,50          |             | 1,2,220-240,50          |             |  |
|                        | Type                               |             | -                               |              | Sirocco Fan              |             | Turbo Fan/BLDC           |             | Sirocco Fan/BLDC        |                | Sirocco Fan/BLDC        |             | Sirocco Fan/BLDC        |             |  |
|                        | Motor                              |             | W                               |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
|                        | Number of Unit                     |             | EA                              |              | 1.00                     |             | 1.00                     |             | 1.00                    |                | 1.00                    |             | 1.00                    |             |  |
|                        | Air Flow Rate                      |             | High / Mid / Low                |              | CMM                      |             | 20.00/18.00/15.50        |             | 22.00/20.00/17.50       |                | 33.00/31.00/28.00       |             | 33.00/31.00/28.00       |             |  |
|                        |                                    |             | l/s                             |              | 333.33/300.00/258.33     |             | 366.67/333.33/291.67     |             | 550.00/516.67/466.67    |                | 550.00/516.67/466.67    |             | 550.00/516.67/466.67    |             |  |
|                        | External Static Pressure           |             | Min / Std / Max                 |              | mmAq                     |             | 0.00/2.50/8.00           |             | 0.00/4.00/10.00         |                | 0.00/4.00/10.00         |             | 0.00/4.00/10.00         |             |  |
|                        |                                    |             | Pa                              |              | 0.00/24.52/78.45         |             | 0.00/39.23/98.07         |             | 0.00/39.23/98.07        |                | 0.00/39.23/98.07        |             | 0.00/39.23/98.07        |             |  |
| Drain                  | Drain Pipe                         |             | Φ, mm                           |              | VP25 (OD 32, ID 25)      |             | VP25 (OD 32, ID 25)      |             | VP25 (OD 32, ID 25)     |                | VP25 (OD 32, ID 25)     |             | VP25 (OD 32, ID 25)     |             |  |
|                        | Sound Pressure                     |             | High / Mid / Low                |              | dB(A)                    |             | VP25 (OD 32, ID 25)      |             | VP25 (OD 32, ID 25)     |                | VP25 (OD 32, ID 25)     |             | VP25 (OD 32, ID 25)     |             |  |
| External Dimension     | Net Weight                         |             | kg                              |              | 37.00/35.5/33.0          |             | 39.00/37.0/35.0          |             | 39.00/37.0/35.0         |                | 39.00/37.0/35.0         |             | 39.00/37.0/35.0         |             |  |
|                        | Shipping Weight                    |             | kg                              |              | 29.50                    |             | 33.00                    |             | 37.00                   |                | 37.00                   |             | 37.00                   |             |  |
|                        | Net Dimensions (WxHxD)             |             | mm                              |              | 34.50                    |             | 40.00                    |             | 43.00                   |                | 43.00                   |             | 43.00                   |             |  |
|                        | Shipping Dimensions (WxHxD)        |             | mm                              |              | 900 x 260 x 480          |             | 1150 x 260 x 480         |             | 1150 x 320 x 480        |                | 1150 x 320 x 480        |             | 1150 x 320 x 480        |             |  |
| Panel Size             | Shipping Dimensions (WxHxD)        |             | mm                              |              | 1170 x 340 x 595         |             | 1420 x 340 x 595         |             | 1420 x 340 x 595        |                | 1420 x 340 x 595        |             | 1420 x 340 x 595        |             |  |
|                        | Panel model                        |             | -                               |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
|                        | Panel Net Weight                   |             | kg                              |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
|                        | Shipping Weight                    |             | kg                              |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
|                        | Net Dimensions (WxHxD)             |             | mm                              |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
| Additional Accessories | Shipping Dimensions (WxHxD)        |             | mm                              |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
|                        | Drain pump                         |             | -                               |              | MDP-M075SSGU1            |             | MDP-M075SSGU1            |             | MDP-M075SSGU1           |                | MDP-M075SSGU1           |             | MDP-M075SSGU1           |             |  |
|                        | Max. lifting Height / Displacement |             | mm / liter/h                    |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
|                        | Air Filter                         |             | -                               |              | -                        |             | -                        |             | -                       |                | -                       |             | -                       |             |  |
| OUTDOOR UNIT           |                                    |             |                                 |              |                          |             |                          |             |                         |                |                         |             |                         |             |  |
| Power Supply           | Φ, #, V, Hz                        |             | 1,2,220-240,50                  |              | 1,2,220-240,50           |             | 1,2,220-240,50           |             | 1,2,220-240,50          |                | 1,2,220-240,50          |             | 3,4,380-415,50          |             |  |
|                        | Type                               |             | -                               |              | Twin BLDC Rotary         |             | Twin BLDC Rotary         |             | Twin BLDC Rotary        |                | Twin BLDC Rotary        |             | Twin BLDC Rotary        |             |  |
|                        | Model                              |             | -                               |              | UG4T150FUDJQ             |             | UG4T200FUAESG            |             | UG8T300FUBJXSG          |                | UG8T300FUBJXSG          |             | UG5T450FUBJXSG          |             |  |
|                        | Output                             |             | kW                              |              | 1.37                     |             | 1.79                     |             | 2.82                    |                | 2.82                    |             | 4.12                    |             |  |
| Fan                    | Oil                                |             | -                               |              | POE                      |             | POE                      |             | POE                     |                | POE                     |             | POE                     |             |  |
|                        | Initial Charge                     |             | cc                              |              | 650.00                   |             | 650.00                   |             | 1200.00                 |                | 1200.00                 |             | 1700.00                 |             |  |
|                        | Air Flow Rate                      |             | CMM                             |              | 33.00                    |             | 52.00                    |             | 63.50                   |                | 63.50                   |             | 63.50                   |             |  |
|                        | Cooling                            |             | l/s                             |              | 550.00                   |             | 866.67                   |             | 1,058.33                |                | 1,058.33                |             | 1,058.33                |             |  |
| Sound                  | Sound Pressure                     |             | Cooling / Heating               |              | dB(A)                    |             | 49.0 / 49.0              |             | 49.0 / 51.0             |                | 52.0 / 53.0             |             | 52.0 / 53.0             |             |  |
|                        | Net Weight                         |             | kg                              |              | 38.50                    |             | 55.00                    |             | 72.00                   |                | 72.00                   |             | 81.00                   |             |  |
| External Dimension     | Shipping Weight                    |             | kg                              |              | 42.50                    |             | 59.00                    |             | 77.00                   |                | 77.00                   |             | 86.00                   |             |  |
|                        | Net Dimensions (WxHxD)             |             | mm                              |              | 790 x 548 x 285          |             | 880 x 798 x 310          |             | 940 x 998 x 330         |                | 940 x 998 x 330         |             | 940 x 998 x 330         |             |  |
|                        | Shipping Dimensions (WxHxD)        |             | mm                              |              | 926 x 655 x 382          |             | 1023 x 891 x 413         |             | 995 x 1096 x 426        |                | 995 x 1096 x 426        |             | 995 x 1096 x 426        |             |  |
|                        | Cooling                            |             | °C                              |              | -15~46                   |             | -15~50                   |             | -15~50                  |                | -15~50                  |             | -15~50                  |             |  |
| Operating Temp. Range  | Heating                            |             | °C                              |              | -15~24                   |             | -20~24                   |             | -20~24                  |                | -20~24                  |             | -20~24                  |             |  |

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### Optional Accessories

Individual Controllers

Drain Pump

### Standard Accessories

Individual Controllers



# Specification - Indoor Units

## MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



|                        |                              |                                    | Smart Inverter       |                      |                      |                      |                         |
|------------------------|------------------------------|------------------------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|
| Model Name             | Indoor Unit                  |                                    | NS12SDXEA            | NS12SDXEA            | NS14SDXEA            | NS14SDXEA            | AC052FBMSEH             |
| Mode                   | Outdoor Unit                 | -                                  | RC12SDHXEB           | RC12SDHXGA           | RC14SDHXEB           | RC14SDHXGA           | AC052FCASEH             |
| Capacity (Nominal)     | Cooling (Min. / Std. / Max.) | kW                                 | 3.45/12.50/14.00     | 3.45/12.50/14.00     | 3.45/14.00/15.40     | 3.45/14.00/15.40     | 1.10/5.00/5.90          |
|                        | Heating (Min. / Std. / Max.) | kW                                 | 11.800/42.700/47.800 | 11.800/42.700/47.800 | 11.800/47.800/52.500 | 11.800/47.800/52.500 | 3.800/17.100/20.100     |
|                        |                              | Btu/h                              | 4.10/14.00/18.00     | 4.10/14.00/18.00     | 3.75/16.00/18.50     | 3.75/16.00/18.50     | 1.00/5.50/6.70          |
| Power                  | Power Input (Nominal)        | kW                                 | 1.25/3.89/5.30       | 1.25/3.89/5.30       | 1.25/4.65/5.70       | 1.25/4.65/5.70       | 0.39/1.84/2.05          |
|                        | Heating (Min. / Std. / Max.) | kW                                 | 0.98/3.88/5.60       | 0.98/3.88/5.60       | 1.00/4.43/5.80       | 1.00/4.43/5.80       | 0.29/1.66/2.60          |
|                        | Current Input (Nominal)      | A                                  | 5.70/18.00/24.30     | 2.00/6.10/8.20       | 5.70/21.30/26.10     | 2.00/7.20/8.80       | 2.10/8.50/9.50          |
|                        | Heating (Min. / Std. / Max.) | A                                  | 4.50/18.00/25.60     | 1.50/6.10/8.60       | 4.50/20.30/26.50     | 1.60/6.90/9.00       | 1.80/7.90/9.30          |
|                        | MCA                          | A                                  | 26.00 (MCA)          | 14.00 (MCA)          | 26.00 (MCA)          | 14.00 (MCA)          | 12.15 (MCA)             |
|                        | MFA                          | A                                  | 30.00                | 15.40                | 30.00                | 15.40                | 13.40                   |
| Energy Efficiency      | EER (Nominal Cooling)        | -                                  | 3.21                 | 3.21                 | 3.01                 | 3.01                 | 2.72                    |
|                        | COP (Nominal Heating)        | -                                  | 3.61                 | 3.61                 | 3.61                 | 3.61                 | 3.31                    |
|                        | Energy Grade                 | -                                  | Energy Grade (C) A   | Energy Grade (C) A   | Energy Grade (C) B   | Energy Grade (C) B   | Energy Grade (C) 4.1(C) |
| Piping Connections     | Liquid Pipe                  | Φ, mm                              | 9.52                 | 9.52                 | 9.52                 | 9.52                 | 6.35                    |
|                        | Gas Pipe                     | Φ, mm                              | 15.88                | 15.88                | 19.05                | 19.05                | 12.70                   |
|                        | Installation Limitation      | Max. Length (Outdoor to indoor)    | 75(75)               | 75(75)               | 75(75)               | 75(75)               | 30(35)                  |
|                        |                              | Max. Height (Between ID/OD)        | 30(30)               | 30(30)               | 30(30)               | 30(30)               | 20(20)                  |
| Field Wiring           | Power Source Wire            | -                                  | 2.5 ~ 4.0            | 1.5 ~ 2.5            | 2.5 ~ 4.0            | 1.5 ~ 2.5            | 2.5 ~ 4.0               |
|                        | Transmission Cable           | -                                  | 0.75 ~ 1.25          | 0.75 ~ 1.25          | 0.75 ~ 1.25          | 0.75 ~ 1.25          | 0.75 ~ 1.25             |
| Refrigerant            | Type                         | -                                  | R410A                | R410A                | R410A                | R410A                | R410A                   |
|                        | Control Method               | -                                  | -                    | -                    | -                    | -                    | -                       |
|                        | Factory Charging             | kg                                 | 2.90                 | 2.90                 | 3.40                 | 3.40                 | 1.30                    |
| INDOOR UNIT            |                              |                                    |                      |                      |                      |                      |                         |
| Power Supply           | Φ, #, V, Hz                  |                                    | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50       | 1,2,220-240,50          |
|                        | Type                         | -                                  | Turbo Fan/BLDC       | Turbo Fan/BLDC       | Turbo Fan/BLDC       | Turbo Fan/BLDC       | Sirocco Fan             |
|                        | Motor                        | W                                  | -                    | -                    | -                    | -                    | -                       |
|                        | Number of Unit               | EA                                 | 1.00                 | 1.00                 | 1.00                 | 1.00                 | 1.00                    |
|                        | Air Flow Rate                | CMM                                | 42.00/38.50/35.00    | 42.00/38.50/35.00    | 43.00/39.00/35.00    | 43.00/39.00/35.00    | 14.50/13.00/11.50       |
|                        | External Static Pressure     | mmAq                               | 700.00/641.67/583.33 | 700.00/641.67/583.33 | 716.67/650.00/583.33 | 716.67/650.00/583.33 | 241.67/216.67/191.67    |
|                        |                              | Pa                                 | 0.00/6.00/14.00      | 0.00/6.00/14.00      | 0.00/6.00/14.00      | 0.00/6.00/14.00      | 0.00/3.00/6.00          |
| Drain                  | Drain Pipe                   | Φ,mm                               | VP25 (OD 32, ID 25)  | VP25 (OD 32, ID 25)  | VP25 (OD 32, ID 25)  | VP25 (OD 32, ID 25)  | VP25 (OD 32, ID 25)     |
| Sound                  | Sound Pressure               | dB(A)                              | 43.00/40.5/38.0      | 43.00/40.5/38.0      | 43.00/40.5/38.0      | 43.00/40.5/38.0      | 37.00/35.5/33.0         |
| External Dimension     | Net Weight                   | kg                                 | 55.00                | 55.00                | 55.00                | 55.00                | 29.00                   |
|                        | Shipping Weight              | kg                                 | 60.00                | 60.00                | 60.00                | 60.00                | 34.00                   |
|                        | Net Dimensions (WxHxD)       | mm                                 | 1200 x 360 x 650     | 1200 x 360 x 650     | 1200 x 360 x 650     | 1200 x 360 x 650     | 900 x 260 x 480         |
|                        | Shipping Dimensions (WxHxD)  | mm                                 | 1447 x 425 x 769     | 1447 x 425 x 769     | 1447 x 425 x 769     | 1447 x 425 x 769     | 1146 x 363 x 584        |
| Panel Size             | Panel model                  | -                                  | -                    | -                    | -                    | -                    | -                       |
|                        | Panel Net Weight             | kg                                 | -                    | -                    | -                    | -                    | -                       |
|                        | Shipping Weight              | kg                                 | -                    | -                    | -                    | -                    | -                       |
|                        | Net Dimensions (WxHxD)       | mm                                 | -                    | -                    | -                    | -                    | -                       |
|                        | Shipping Dimensions (WxHxD)  | mm                                 | -                    | -                    | -                    | -                    | -                       |
| Additional Accessories | Drain pump                   | Max. lifting Height / Displacement | MDP-M07SSGU2         | MDP-M07SSGU2         | MDP-M07SSGU2         | MDP-M07SSGU2         | MDP-M07SSGU1            |
|                        | Air Filter                   | -                                  | -                    | -                    | -                    | -                    | -                       |
| OUTDOOR UNIT           |                              |                                    |                      |                      |                      |                      |                         |
| Power Supply           | Φ, #, V, Hz                  |                                    | 1,2,220-240,50       | 3,4,380-415,50       | 1,2,220-240,50       | 3,4,380-415,50       | 1,2,220-240,50          |
| Compressor             | Type                         | -                                  | Twin BLDC Rotary     | Twin BLDC Rotary     | Twin BLDC Rotary     | Twin BLDC Rotary     | Twin BLDC Rotary        |
|                        | Model                        | -                                  | UG5T450FUEJXSG       | UG5T450FUEJXSG       | UG5T450FUEJXSG       | UG5T450FUEJXSG       | UG4T1150FUDJQ           |
|                        | Output                       | kW                                 | 4.12                 | 4.12                 | 4.12                 | 4.12                 | 1.37                    |
|                        | Oil                          | cc                                 | 1700.00              | 1700.00              | 1700.00              | 1700.00              | 650.00                  |
| Fan                    | Air Flow Rate                | Cooling                            | 90.50                | 90.50                | 90.50                | 90.50                | 37.00                   |
|                        | Sound Pressure               | dB(A)                              | 51.0 / 52.0          | 51.0 / 52.0          | 52.0 / 54.0          | 52.0 / 54.0          | 49.0 / 49.0             |
| External Dimension     | Net Weight                   | kg                                 | 88.00                | 91.00                | 88.00                | 91.00                | 36.00                   |
|                        | Shipping Weight              | kg                                 | 98.00                | 101.00               | 98.00                | 101.00               | 40.00                   |
|                        | Net Dimensions (WxHxD)       | mm                                 | 940 x 1210 x 330     | 940 x 1210 x 330     | 940 x 1210 x 330     | 940 x 1210 x 330     | 790 x 548 x 285         |
|                        | Shipping Dimensions (WxHxD)  | mm                                 | 995 x 1338 x 426     | 995 x 1338 x 426     | 995 x 1338 x 426     | 995 x 1338 x 426     | 926 x 655 x 382         |
| Operating Temp. Range  | Cooling                      | °C                                 | -15~50               | -15~50               | -15~50               | -15~50               | -5~43                   |
|                        | Heating                      | °C                                 | -20~24               | -20~24               | -20~24               | -20~24               | -15~24                  |

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### Optional Accessories

Individual Controllers

MWR-WE10MWR-WH0\*MWR-SH00MR-DH00MRK-A00MRW-10A

Drain Pump

MDP-M07SSGU1MDP-M07SSGU2MDP-M07SSGU3

### Standard Accessories

Individual Controllers

MSP Duct



- Narrow Width
- Strong and Large Coverage Area
- Silent Operation with the Static Pressure Control
- Easy to Maintain



|                        |                              |                                    |                     | R - Inverter |                         |             |                         |             |                         |  |
|------------------------|------------------------------|------------------------------------|---------------------|--------------|-------------------------|-------------|-------------------------|-------------|-------------------------|--|
| Model Name             |                              | Indoor Unit                        |                     | AC071FBMSEH  |                         | AC090FBMSEH |                         | AC100FBMSEH |                         |  |
|                        |                              | Outdoor Unit                       |                     | AC071FCASEH  |                         | AC090FCASEH |                         | AC100FCASEH |                         |  |
| Mode                   |                              | -                                  |                     | HEAT PUMP    |                         | HEAT PUMP   |                         | HEAT PUMP   |                         |  |
| Capacity (Nominal)     | Cooling (Min. / Std. / Max.) |                                    | kW                  |              | 1.60/7.00/8.00          |             | 2.80/9.00/10.00         |             | 2.80/10.00/11.50        |  |
|                        |                              |                                    | Btu/h               |              | 5,500/23,900/27,300     |             | 9,600/30,700/34,100     |             | 9,600/34,100/39,200     |  |
|                        | Heating (Min. / Std. / Max.) |                                    | kW                  |              | 1.40/7.70/8.20          |             | 3.00/9.50/13.00         |             | 3.00/11.20/15.50        |  |
|                        |                              |                                    | Btu/h               |              | 4,800/26,300/28,000     |             | 10,200/32,400/44,400    |             | 10,200/38,200/52,900    |  |
| Power                  | Power Input (Nominal)        | Cooling (Min. / Std. / Max.)       | kW                  |              | 0.55/2.79/2.92          |             | 0.82/3.20/4.50          |             | 0.82/3.99/4.50          |  |
|                        |                              | Heating (Min. / Std. / Max.)       |                     |              | 0.50/2.40/2.85          |             | 0.80/2.87/5.00          |             | 0.80/3.72/5.50          |  |
|                        | Current Input (Nominal)      | Cooling (Min. / Std. / Max.)       | A                   |              | 2.70/14.50/14.80        |             | 3.80/14.00/19.50        |             | 3.80/16.00/19.50        |  |
|                        |                              | Heating (Min. / Std. / Max.)       |                     |              | 2.50/13.50/13.80        |             | 2.80/13.00/24.00        |             | 2.80/15.00/24.00        |  |
|                        | MCA                          |                                    | A                   |              | 21.65 (MCA)             |             | 23.50 (MCA)             |             | 25.00 (MCA)             |  |
| Energy Efficiency      | MFA                          |                                    | A                   |              | 25.00                   |             | 27.50                   |             | 30.00                   |  |
|                        | EER (Nominal Cooling)        |                                    | -                   |              | 2.51                    |             | 2.81                    |             | 2.51                    |  |
|                        | COP (Nominal Heating)        |                                    | -                   |              | 3.21                    |             | 3.31                    |             | 3.01                    |  |
|                        | Energy Grade                 |                                    | -                   |              | Energy Grade (C) 4.1(C) |             | Energy Grade (C) 4.3(C) |             | Energy Grade (C) 4.3(C) |  |
|                        |                              |                                    | -                   |              | Energy Grade (H) 3.4(A) |             | Energy Grade (H) 3.4(A) |             | Energy Grade (H) 3.4(A) |  |
| Piping Connections     | Liquid Pipe                  |                                    | Φ, mm               | 6.35         |                         | 9.52        |                         | 9.52        |                         |  |
|                        |                              |                                    | Φ, inch             | 1/4"         |                         | 3/8"        |                         | 3/8"        |                         |  |
|                        | Gas Pipe                     |                                    | Φ, mm               | 15.88        |                         | 15.88       |                         | 15.88       |                         |  |
|                        |                              |                                    | Φ, inch             | 5/8"         |                         | 5/8"        |                         | 5/8"        |                         |  |
|                        | Installation Limitation      | Max. Length (Outdoor to indoor)    | m                   | 30(35)       |                         | 50(55)      |                         | 50(55)      |                         |  |
|                        |                              | Max. Height (Between ID/OD)        | m                   | 20(20)       |                         | 30(30)      |                         | 30(30)      |                         |  |
| Field Wiring           | Power Source Wire            |                                    | -                   | 2.5 ~ 4.0    |                         | 2.5 ~ 4.0   |                         | 2.5 ~ 4.0   |                         |  |
|                        | Transmission Cable           |                                    | -                   | 0.75 ~ 1.0   |                         | 0.75 ~ 1.25 |                         | 0.75 ~ 1.25 |                         |  |
| Refrigerant            | Type                         |                                    | -                   | R410A        |                         | R410A       |                         | R410A       |                         |  |
|                        | Control Method               |                                    | -                   | -            |                         | -           |                         | -           |                         |  |
|                        | Factory Charging             |                                    | kg                  | 1.80         |                         | 3.00        |                         | 3.00        |                         |  |
| INDOOR UNIT            |                              |                                    |                     |              |                         |             |                         |             |                         |  |
| Power Supply           |                              | Φ, #, V, Hz                        | 1,2,220-240,50      |              | 1,2,220-240,50          |             | 1,2,220-240,50          |             | 1,2,220-240,50          |  |
|                        | Type                         |                                    | -                   |              | Sirocco Fan             |             | Sirocco Fan             |             | Sirocco Fan             |  |
|                        | Motor                        | Output                             | W                   |              | -                       |             | -                       |             | -                       |  |
|                        | Number of Unit               |                                    | EA                  |              | 1.00                    |             | 1.00                    |             | 1.00                    |  |
|                        | Air Flow Rate                | High / Mid / Low                   | CMM                 |              | 21.50/19.70/18.00       |             | 24.00/22.00/20.00       |             | 24.00/22.00/20.00       |  |
|                        | External Static Pressure     | Min / Std / Max                    | mmAq                |              | 358.33/328.33/300.00    |             | 400.00/366.67/333.33    |             | 400.00/366.67/333.33    |  |
| Drain                  | Sound Pressure               | High / Mid / Low                   | Pa                  |              | 0.00/3.00/6.00          |             | 0.00/4.00/8.00          |             | 0.00/4.00/8.00          |  |
|                        |                              |                                    | VP25 (OD 32, ID 25) |              | 0.00/29.42/58.84        |             | 0.00/39.23/78.45        |             | 0.00/39.23/78.45        |  |
| External Dimension     | Drain Pipe                   |                                    | Φ,mm                |              | 38.00/36.0/34.0         |             | 39.00/37.0/35.0         |             | 40.00/37.0/35.0         |  |
|                        | Net Weight                   |                                    | kg                  |              | 29.00                   |             | 34.00                   |             | 55.00                   |  |
|                        | Shipping Weight              |                                    | kg                  |              | 34.00                   |             | 40.00                   |             | 60.00                   |  |
|                        | Net Dimensions (WxHxD)       |                                    | mm                  |              | 900 x 260 x 480         |             | 1150 x 260 x 480        |             | 1150 x 260 x 480        |  |
|                        | Shipping Dimensions (WxHxD)  |                                    | mm                  |              | 1146 x 363 x 584        |             | 1405 x 354 x 593        |             | 1405 x 354 x 593        |  |
| Panel Size             | Panel model                  |                                    | -                   |              | -                       |             | -                       |             | -                       |  |
|                        | Panel Net Weight             |                                    | kg                  |              | -                       |             | -                       |             | -                       |  |
|                        | Shipping Weight              |                                    | kg                  |              | -                       |             | -                       |             | -                       |  |
|                        | Net Dimensions (WxHxD)       |                                    | mm                  |              | -                       |             | -                       |             | -                       |  |
|                        | Shipping Dimensions (WxHxD)  |                                    | mm                  |              | -                       |             | -                       |             | -                       |  |
| Additional Accessories | Drain pump                   | Drain pump                         | -                   |              | MDP-M075SGU1            |             | MDP-M075SGU1            |             | MDP-M075SGU1            |  |
|                        | Air Filter                   | Max. lifting Height / Displacement | mm / liter/h        |              | -                       |             | -                       |             | -                       |  |
|                        |                              |                                    | -                   |              | -                       |             | -                       |             | -                       |  |
| OUTDOOR UNIT           |                              |                                    |                     |              |                         |             |                         |             |                         |  |
| Power Supply           |                              | Φ, #, V, Hz                        | 1,2,220-240,50      |              | 1,2,220-240,50          |             | 1,2,220-240,50          |             | 1,2,220-240,50          |  |
| Compressor             | Type                         |                                    | -                   |              | Twin BLDC Rotary        |             | Twin BLDC Rotary        |             | Twin BLDC Rotary        |  |
|                        | Model                        |                                    | UG4T200FUAE4SG      |              | UG8T300FUBJUSG          |             | UG8T300FUBJUSG          |             | UG8T300FUBJUSG          |  |
|                        | Output                       |                                    | kW                  |              | 1.79                    |             | 2.82                    |             | 2.82                    |  |
|                        | Oil                          | Type                               | -                   |              | POE                     |             | POE                     |             | POE                     |  |
|                        |                              | Initial Charge                     | cc                  |              | 650.00                  |             | 1200.00                 |             | 1200.00                 |  |
| Fan                    | Air Flow Rate                | Cooling                            | CMM                 |              | 52.00                   |             | 68.00                   |             | 68.00                   |  |
|                        | Sound Pressure               | Cooling / Heating                  | l/s                 |              | 866.67                  |             | 1,133.33                |             | 1,133.33                |  |
| External Dimension     | Net Weight                   |                                    | dB(A)               |              | 52.0 / 52.0             |             | 52.0 / 53.0             |             | 52.0 / 53.0             |  |
|                        | Shipping Weight              |                                    | kg                  |              | 47.00                   |             | 72.00                   |             | 72.00                   |  |
|                        | Net Dimensions (WxHxD)       |                                    | kg                  |              | 52.00                   |             | 77.00                   |             | 77.00                   |  |
|                        | Shipping Dimensions (WxHxD)  |                                    | mm                  |              | 880 x 638 x 310         |             | 940 x 998 x 330         |             | 940 x 998 x 330         |  |
|                        | Operating Temp. Range        | Cooling                            | mm                  |              | 1024 x 750 x 414        |             | 995 x 1096 x 426        |             | 995 x 1096 x 426        |  |
|                        | Heating                      |                                    | °C                  |              | -5~43                   |             | -15~50                  |             | -15~50                  |  |
|                        |                              |                                    | °C                  |              | -20~24                  |             | -20~24                  |             | -20~24                  |  |

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Optional Accessories

Individual Controllers

MWR-WE10 MWR-WH0\* MWR-SH00 MR-DH00 MRK-A00 MRW-10A

Drain Pump

MDP-M075SGU1  
MDP-M075SGU2  
MDP-M075SGU3

Standard Accessories

Individual Controllers





# Specification - Indoor Units

## Slim Duct



- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



| Model Name                  |                                    | Indoor Unit                  |              | AC035FBLDEH               |                 | AC035FCADEH               |                   | AC052FBLDEH             |                   | AC052FCADEH             |                   | AC071FBLDEH             |                   | AC071FCADEH             |                   |  |
|-----------------------------|------------------------------------|------------------------------|--------------|---------------------------|-----------------|---------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|-------------------------|-------------------|--|
| Mode                        |                                    | Outdoor Unit                 |              | HEAT PUMP                 |                 | HEAT PUMP                 |                   | HEAT PUMP               |                   | HEAT PUMP               |                   | HEAT PUMP               |                   | HEAT PUMP               |                   |  |
| Capacity (Nominal)          | Cooling (Min. / Std. / Max.)       | kW                           |              | 0.95/3.50/4.00            |                 | 3,200/11,900/13,600       |                   | 4,100/17,100/20,500     |                   | 7,500/24,200/27,300     |                   | 1.90/8.00/9.00          |                   | 6,500/27,300/30,700     |                   |  |
|                             | Heating (Min. / Std. / Max.)       | kW                           |              | 0.72/4.00/4.60            |                 | 2,500/13,600/15,700       |                   | 2,400/20,500/23,900     |                   | 6,500/27,300/30,700     |                   | 1.90/8.00/9.00          |                   | 6,500/27,300/30,700     |                   |  |
| Power                       | Power Input (Nominal)              | Cooling (Min. / Std. / Max.) | kW           |                           | 0.21/1.25/1.45  |                           | 0.23/1.66/2.20    |                         | 0.28/1.66/2.20    |                         | 0.35/2.21/4.00    |                         | 0.35/2.32/4.00    |                         |                   |  |
|                             | Current Input (Nominal)            | Cooling (Min. / Std. / Max.) | A            |                           | 1.60/6.00/6.60  |                           | 1.30/8.00/9.80    |                         | 1.60/7.90/10.00   |                         | 2.00/10.50/21.00  |                         | 2.00/10.50/21.00  |                         |                   |  |
|                             | MCA                                | Heating (Min. / Std. / Max.) | A            |                           | 10.30 (MCA)     |                           | 10.80 (MCA)       |                         | 20.30 (MCA)       |                         | 20.30 (MCA)       |                         | 20.30 (MCA)       |                         |                   |  |
|                             | MFA                                |                              | A            |                           | 12.50           |                           | 13.13             |                         | 25.00             |                         | 25.00             |                         | 25.00             |                         |                   |  |
|                             | EER (Nominal Cooling)              |                              | -            |                           | 2.81            |                           | 3.01              |                         | 3.21              |                         | 3.21              |                         | 3.21              |                         |                   |  |
| Energy Efficiency           | COP (Nominal Heating)              | -                            |              | 3.41                      |                 | 3.61                      |                   | 3.45                    |                   | 3.45                    |                   | 3.45                    |                   | 3.45                    |                   |  |
|                             | Energy Grade                       | -                            |              | Energy Grade (C) 5.30 (A) |                 | Energy Grade (H) 3.40 (A) |                   | Energy Grade (C) 5.1(A) |                   | Energy Grade (C) 5.4(A) |                   | Energy Grade (C) 5.4(A) |                   | Energy Grade (H) 3.6(A) |                   |  |
| Piping Connections          | Liquid Pipe                        | Φ, mm                        | 6.35         |                           | 6.35            |                           | 6.35              |                         | 6.35              |                         | 6.35              |                         | 6.35              |                         | 6.35              |  |
|                             |                                    | Φ, inch                      | 1/4"         |                           | 1/4"            |                           | 1/4"              |                         | 1/4"              |                         | 1/4"              |                         | 1/4"              |                         | 1/4"              |  |
|                             | Gas Pipe                           | Φ, mm                        | 9.52         |                           | 12.70           |                           | 12.70             |                         | 15.88             |                         | 15.88             |                         | 15.88             |                         | 15.88             |  |
|                             |                                    | Φ, inch                      | 3/8"         |                           | 1/2"            |                           | 1/2"              |                         | 5/8"              |                         | 5/8"              |                         | 5/8"              |                         | 5/8"              |  |
| Installation Limitation     | Max. Length (Outdoor to indoor)    | m                            |              | 20(25)                    |                 | 30(35)                    |                   | 30(35)                  |                   | 50(55)                  |                   | 50(55)                  |                   | 50(55)                  |                   |  |
|                             | Max. Height (Between ID/OD)        | m                            |              | 15(15)                    |                 | 20(20)                    |                   | 20(20)                  |                   | 30(30)                  |                   | 30(30)                  |                   | 30(30)                  |                   |  |
| Field Wiring                | Power Source Wire                  | -                            |              | 1.5                       |                 | 2.0                       |                   | 2.0                     |                   | 2.5                     |                   | 2.5                     |                   | 2.5                     |                   |  |
| Refrigerant                 | Transmission Cable                 | -                            |              | 0.75 ~ 1.25               |                 | 0.75 ~ 1.25               |                   | 0.75 ~ 1.25             |                   | 0.75 ~ 1.25             |                   | 0.75 ~ 1.25             |                   | 0.75 ~ 1.25             |                   |  |
|                             | Type                               | -                            |              | R410A                     |                 | R410A                     |                   | R410A                   |                   | R410A                   |                   | R410A                   |                   | R410A                   |                   |  |
|                             | Control Method                     | -                            |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             | Factory Charging                   | kg                           |              | 0.95                      |                 | 1.40                      |                   | 1.40                    |                   | 1.30                    |                   | 1.30                    |                   | 1.30                    |                   |  |
| INDOOR UNIT                 |                                    |                              |              |                           |                 |                           |                   |                         |                   |                         |                   |                         |                   |                         |                   |  |
| Power Supply                | Φ, #, V, Hz                        | 1,2,220-240,50               |              | 1,2,220-240,50            |                 | 1,2,220-240,50            |                   | 1,2,220-240,50          |                   | 1,2,220-240,50          |                   | 1,2,220-240,50          |                   | 1,2,220-240,50          |                   |  |
|                             | Type                               | -                            |              | Sirocco Fan               |                 | Sirocco Fan               |                   | Sirocco Fan             |                   | Sirocco Fan             |                   | Sirocco Fan             |                   | Sirocco Fan             |                   |  |
|                             | Motor                              | Output                       |              | W                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             | Number of Unit                     | EA                           |              | 1.00                      |                 | 1.00                      |                   | 1.00                    |                   | 1.00                    |                   | 1.00                    |                   | 1.00                    |                   |  |
|                             | Air Flow Rate                      | High / Mid / Low             | CMM          |                           | 10.00/9.00/8.00 |                           | 13.50/12.50/11.00 |                         | 13.50/12.50/11.00 |                         | 19.00/17.00/15.00 |                         | 19.00/17.00/15.00 |                         | 19.00/17.00/15.00 |  |
| External Static Pressure    | Min / Std / Max                    | mmAq                         |              | 0.00/2.50/4.00            |                 | 0.00/2.50/4.00            |                   | 0.00/2.50/4.00          |                   | 0.00/2.50/4.00          |                   | 0.00/2.50/4.00          |                   | 0.00/2.50/4.00          |                   |  |
|                             |                                    | Pa                           |              | 0.00/24.52/39.23          |                 | 0.00/19.61/39.23          |                   | 0.00/19.61/39.23        |                   | 0.00/24.52/39.23        |                   | 0.00/24.52/39.23        |                   | 0.00/24.52/39.23        |                   |  |
| Drain                       | Drain Pipe                         | Φ,mm                         |              | VP25 (OD 32,ID 25)        |                 | VP25 (OD 32,ID 25)        |                   | VP25 (OD 32,ID 25)      |                   | VP25 (OD 32,ID 25)      |                   | VP25 (OD 32,ID 25)      |                   | VP25 (OD 32,ID 25)      |                   |  |
| Sound                       | Sound Pressure                     | High / Mid / Low             |              | 32.00/29.5/27.0           |                 | 33.00/31.5/30.0           |                   | 33.00/31.5/30.0         |                   | 36.00/34.0/32.0         |                   | 36.00/34.0/32.0         |                   | 36.00/34.0/32.0         |                   |  |
| External Dimension          | Net Weight                         | kg                           |              | 26.00                     |                 | 31.00                     |                   | 31.00                   |                   | 34.00                   |                   | 34.00                   |                   | 34.00                   |                   |  |
|                             | Shipping Weight                    | kg                           |              | 31.00                     |                 | 39.00                     |                   | 39.00                   |                   | 40.00                   |                   | 40.00                   |                   | 40.00                   |                   |  |
|                             | Net Dimensions (WxHxD)             | mm                           |              | 900 x 199 x 600           |                 | 1100 x 199 x 600          |                   | 1100 x 199 x 600        |                   | 1100 x 199 x 600        |                   | 1100 x 199 x 600        |                   | 1100 x 199 x 600        |                   |  |
|                             | Shipping Dimensions (WxHxD)        | mm                           |              | 1150 x 280 x 710          |                 | 1350 x 280 x 710          |                   | 1350 x 280 x 710        |                   | 1350 x 280 x 710        |                   | 1350 x 280 x 710        |                   | 1350 x 280 x 710        |                   |  |
| Panel Size                  | Panel model                        | -                            |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             | Panel Net Weight                   | kg                           |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             | Shipping Weight                    | kg                           |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             | Net Dimensions (WxHxD)             | mm                           |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
| Shipping Dimensions (WxHxD) |                                    | mm                           |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             |                                    | mm                           |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
| Additional Accessories      | Drain pump                         | Drain pump                   | -            |                           | MDP-E075SEE3    |                           | MDP-E075SEE3      |                         | MDP-E075SEE3      |                         | MDP-E075SEE3      |                         | MDP-E075SEE3      |                         |                   |  |
|                             | Max. lifting Height / Displacement |                              | mm / liter/h |                           | -               |                           | -                 |                         | -                 |                         | -                 |                         | -                 |                         |                   |  |
|                             | Air Filter                         | -                            |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
|                             |                                    | -                            |              | -                         |                 | -                         |                   | -                       |                   | -                       |                   | -                       |                   | -                       |                   |  |
| OUTDOOR UNIT                |                                    |                              |              |                           |                 |                           |                   |                         |                   |                         |                   |                         |                   |                         |                   |  |
| Power Supply                | Φ, #, V, Hz                        | 1,2,220-240,50               |              | 1,2,220-240,50            |                 | 1,2,220-240,50            |                   | 1,2,220-240,50          |                   | 1,2,220-240,50          |                   | 1,2,220-240,50          |                   | 1,2,220-240,50          |                   |  |
|                             | Type                               | -                            |              | Single BLDC Rotary        |                 | Single BLDC Rotary        |                   | Twin BLDC Rotary        |                   | Twin BLDC Rotary        |                   | Twin BLDC Rotary        |                   | Twin BLDC Rotary        |                   |  |
|                             | Model                              | -                            |              | UG4C090LUDJR              |                 | UG4C090LUDJR              |                   | UG4T150FUDJQ            |                   | UG4T150FUDJQ            |                   | UG4T150FUDJQ            |                   | UG4T150FUDJQ            |                   |  |
|                             | Output                             | kW                           |              | 0.86                      |                 | 0.86                      |                   | 1.37                    |                   | 1.37                    |                   | 1.79                    |                   | 1.79                    |                   |  |
|                             | Oil                                | Type                         | -            |                           | POE             |                           | POE               |                         | POE               |                         | POE               |                         | POE               |                         | POE               |  |
| Fan                         | Initial Charge                     | cc                           |              | 320.00                    |                 | 320.00                    |                   | 650.00                  |                   | 650.00                  |                   | 650.00                  |                   | 650.00                  |                   |  |
|                             | Air Flow Rate                      | Cooling                      | CMM          |                           | 30.00           |                           | 33.00             |                         | 33.00             |                         | 52.00             |                         | 52.00             |                         |                   |  |
| Sound                       | Sound Pressure                     | Cooling / Heating            | dB(A)        |                           | 47.0 / 47.0     |                           | 48.0 / 49.0       |                         | 48.0 / 49.0       |                         | 49.0 / 51.0       |                         | 49.0 / 51.0       |                         |                   |  |
|                             | Net Weight                         |                              | kg           |                           | 33.00           |                           | 38.50             |                         | 38.50             |                         | 55.00             |                         | 55.00             |                         |                   |  |
| External Dimension          | Shipping Weight                    |                              | kg           |                           | 37.00           |                           | 42.50             |                         | 42.50             |                         | 59.00             |                         | 59.00             |                         |                   |  |
|                             | Net Dimensions (WxHxD)             |                              | mm           |                           | 790 x 548 x 285 |                           | 790 x 548 x 285   |                         | 790 x 548 x 285   |                         | 880 x 798 x 310   |                         | 880 x 798 x 310   |                         |                   |  |
| Shipping Dimensions (WxHxD) |                                    | mm                           |              | 926 x 655 x 382           |                 | 926 x 655 x 382           |                   | 926 x 655 x 382         |                   | 926 x 655 x 382         |                   | 1023 x 891 x 413        |                   | 1023 x 891 x 413        |                   |  |
|                             | Cooling                            |                              | °C           |                           | -10~46          |                           | -15~46            |                         | -15~46            |                         | -15~50            |                         | -15~50            |                         |                   |  |
| Operating Temp. Range       | Heating                            |                              | °C           |                           | -15~24          |                           | -15~24            |                         | -15~24            |                         | -20~24            |                         | -20~24            |                         |                   |  |



# Specification - Indoor Units

## P Series (Maldives)



- Full HD Filter
- Smart Inverter
- good' sleep



| Model Name               |                                    |                                 | Indoor Unit          | Outdoor Unit               | AC026FBRDEH<br>AC026FCADDEH | AC035FBRDEH<br>AC035FCADDEH | AC052FBRDEH<br>AC052FCADDEH | AC071FBRDEH<br>AC060FCADDEH |
|--------------------------|------------------------------------|---------------------------------|----------------------|----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Mode                     |                                    |                                 | -                    |                            | HEAT PUMP                   | HEAT PUMP                   | HEAT PUMP                   | HEAT PUMP                   |
| Capacity<br>(Nominal)    | Cooling (Min. / Std. / Max.)       |                                 | kW                   | 1.20/2.60/3.50             | 4,100/8,900/11,900          | 4,100/11,900/12,600         | 6,500/17,100/20,600         | 7,500/24,200/27,300         |
|                          | Heating (Min. / Std. / Max.)       |                                 | kW                   | 0.95/3.50/4.20             | 3,200/11,900/14,300         | 3,500/13,600/15,000         | 5,100/20,500/21,300         | 6,500/27,300/30,700         |
| Power                    | Power Input<br>(Nominal)           | Cooling (Min. / Std. / Max.)    | kW                   | 0.24/0.65/1.50             | 0.20/0.97/1.15              | 0.25/1.09/1.50              | 0.40/1.61/2.20              | 0.35/2.36/4.00              |
|                          |                                    | Heating (Min. / Std. / Max.)    | A                    | 1.60/3.40/7.00             | 1.30/5.00/5.40              | 1.60/5.10/7.00              | 2.30/8.30/14.00             | 2.00/10.50/21.00            |
| Energy Efficiency        | Current Input<br>(Nominal)         | Cooling (Min. / Std. / Max.)    | A                    | 1.30/5.00/5.40             | 1.30/5.00/5.40              | 1.60/5.10/7.00              | 2.30/8.30/14.00             | 2.00/10.50/21.00            |
|                          |                                    | Heating (Min. / Std. / Max.)    | A                    | 10.30 (MCA)                | 10.30 (MCA)                 | 10.30 (MCA)                 | 10.80 (MCA)                 | 20.30 (MCA)                 |
| Energy Efficiency        | MFA                                | Cooling (Min. / Std. / Max.)    | A                    | 12.50                      | 12.50                       | 12.50                       | 13.13                       | 25.00                       |
|                          |                                    | Heating (Min. / Std. / Max.)    | A                    | 4.00                       | 3.21                        | 3.42                        | 3.11                        | 3.01                        |
| Energy Efficiency        | COP (Nominal Heating)              | Cooling (Min. / Std. / Max.)    | -                    | 3.61                       | 3.42                        | 3.41                        | 3.41                        | 2.81                        |
|                          |                                    | Heating (Min. / Std. / Max.)    | -                    | Energy Grade (C) 5.9 (A++) | Energy Grade (C) 5.6 (A++)  | Energy Grade (C) 6.20 (A++) | Energy Grade (C) 6.00 (A++) |                             |
| Piping Connections       | Liquid Pipe                        | Φ, mm                           | 6.35                 | 6.35                       | 6.35                        | 6.35                        | 6.35                        |                             |
|                          |                                    | Φ, inch                         | 1/4"                 | 1/4"                       | 1/4"                        | 1/4"                        | 1/4"                        |                             |
| Piping Connections       | Gas Pipe                           | Φ, mm                           | 9.52                 | 9.52                       | 9.52                        | 12.70                       | 15.88                       |                             |
|                          |                                    | Φ, inch                         | 3/8"                 | 3/8"                       | 3/8"                        | 1/2"                        | 5/8"                        |                             |
| Field Wiring             | Power Source Wire                  | Max. Length (Outdoor to indoor) | m                    | 20(25)                     | 20(25)                      | 20(25)                      | 30(35)                      | 50(55)                      |
|                          |                                    | Max. Height (Between ID/OD)     | m                    | 15(15)                     | 15(15)                      | 20(20)                      | 30(30)                      | 30(30)                      |
| Refrigerant              | Transmission Cable                 | 1.5 ~ 2.5                       | 0.75 ~ 1.25          | 0.75 ~ 1.25                | 0.75 ~ 1.25                 | 0.75 ~ 1.25                 | 0.75 ~ 1.25                 |                             |
|                          |                                    | Type                            | R410A                | R410A                      | R410A                       | R410A                       | R410A                       |                             |
| Refrigerant              | Control Method                     | -                               | -                    | -                          | -                           | -                           | -                           |                             |
|                          |                                    | Factory Charging                | kg                   | 0.95                       | 0.95                        | 1.40                        | 1.80                        |                             |
| INDOOR UNIT              |                                    |                                 |                      |                            |                             |                             |                             |                             |
| Power Supply             | Type                               | Φ, #, V, Hz                     | 1,2,220-240,50       | 1,2,220-240,50             | 1,2,220-240,50              | 1,2,220-240,50              | 1,2,220-240,50              |                             |
|                          |                                    | Output                          | W                    | 35.00                      | 35.00                       | 27.00                       | 27.00                       |                             |
| Motor                    | Number of Unit                     | EA                              | 1.00                 | 1.00                       | 1.00                        | 1.00                        | 1.00                        |                             |
|                          |                                    | CMM                             | 10.50/9.50/8.00      | 8.00/7.00/6.00             | 15.00/13.20/11.50           | 15.00/13.40/11.80           |                             |                             |
| Air Flow Rate            | High / Mid / Low                   | l/s                             | 175.00/158.33/133.33 | 133.33/116.67/100.00       | 250.00/220.00/191.67        | 250.00/223.33/196.67        |                             |                             |
|                          |                                    | mmAq                            | -                    | -                          | -                           | -                           |                             |                             |
| External Static Pressure | Min / Std / Max                    | Pa                              | -                    | -                          | -                           | -                           |                             |                             |
|                          |                                    | VP18 (OD 19, ID 16)             | VP18 (OD 19, ID 16)  | VP18 (OD 19, ID 16)        | VP18 (OD 19, ID 16)         |                             |                             |                             |
| Drain                    | Drain Pipe                         | Φ, mm                           | 35.00/31.0/24.0      | 37.00/32.0/25.0            | 40.00/35.0/30.0             | 44.00/37.0/31.0             |                             |                             |
|                          |                                    | dB(A)                           | 8.20                 | 8.20                       | 11.50                       | 11.50                       |                             |                             |
| Sound                    | Sound Pressure                     | kg                              | 10.20                | 10.20                      | 14.50                       | 14.50                       |                             |                             |
|                          |                                    | mm                              | 820 x 285 x 205      | 820 x 285 x 205            | 1065 x 298 x 230            | 1065 x 298 x 230            |                             |                             |
| External Dimension       | Shipping Weight                    | mm                              | 892 x 355 x 263      | 892 x 355 x 263            | 1137 x 377 x 299            | 1137 x 377 x 299            |                             |                             |
|                          |                                    | mm                              | -                    | -                          | -                           | -                           |                             |                             |
| Panel Size               | Panel model                        | -                               | -                    | -                          | -                           | -                           |                             |                             |
|                          |                                    | kg                              | -                    | -                          | -                           | -                           |                             |                             |
| Additional Accessories   | Drain pump                         | kg                              | -                    | -                          | -                           | -                           |                             |                             |
|                          |                                    | mm                              | -                    | -                          | -                           | -                           |                             |                             |
| Additional Accessories   | Max. lifting Height / Displacement | mm / liter/h                    | -                    | -                          | -                           | -                           |                             |                             |
|                          |                                    | -                               | -                    | -                          | -                           | -                           |                             |                             |
| OUTDOOR UNIT             |                                    |                                 |                      |                            |                             |                             |                             |                             |
| Power Supply             | Type                               | Φ, #, V, Hz                     | 1,2,220-240,50       | 1,2,220-240,50             | 1,2,220-240,50              | 1,2,220-240,50              |                             |                             |
|                          |                                    | Single BLDC Rotary              | Single BLDC Rotary   | Twin BLDC Rotary           | Twin BLDC Rotary            |                             |                             |                             |
| Compressor               | Model                              | -                               | UG4C090LUDJR         | UG4C090LUDJR               | UG4T150FUDJQ                | UG4T200FUAUE4               |                             |                             |
|                          |                                    | kW                              | 0.86                 | 0.86                       | 1.37                        | 1.79                        |                             |                             |
| Oil                      | Initial Charge                     | cc                              | 320.00               | 320.00                     | 650.00                      | 650.00                      |                             |                             |
|                          |                                    | CMM                             | 29.00                | 30.00                      | 33.00                       | 33.00                       |                             |                             |
| Fan                      | Air Flow Rate                      | Cooling                         | 483.33               | 500.00                     | 550.00                      | 866.67                      |                             |                             |
|                          |                                    | dB(A)                           | 47.0 / 47.0          | 47.0 / 47.0                | 49.0 / 49.0                 | 49.0 / 51.0                 |                             |                             |
| Sound                    | Sound Pressure                     | l/s                             | 47.0 / 47.0          | 47.0 / 47.0                | 49.0 / 49.0                 | 49.0 / 51.0                 |                             |                             |
|                          |                                    | kg                              | 33.00                | 33.00                      | 38.50                       | 55.00                       |                             |                             |
| External Dimension       | Net Weight                         | kg                              | 37.00                | 37.00                      | 42.50                       | 59.00                       |                             |                             |
|                          |                                    | mm                              | 790 x 548 x 285      | 790 x 548 x 285            | 790 x 548 x 285             | 880 x 798 x 310             |                             |                             |
| Operating Temp. Range    | Shipping Dimensions (WxHxD)        | mm                              | 926 x 655 x 382      | 926 x 655 x 382            | 926 x 655 x 382             | 1023 x 891 x 413            |                             |                             |
|                          |                                    | °C                              | -10~46               | -10~46                     | -15~46                      | -15~50                      |                             |                             |
| Operating Temp. Range    | Heating                            | °C                              | -15~24               | -15~24                     | -15~24                      | -20~24                      |                             |                             |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

### Optional Accessories

#### Individual Controllers



MWR-WE10



MWR-WH0\*



MWR-SH00



MR-DH00

### Standard Accessories

#### Wireless Remote Controller



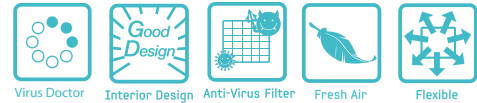


# Specification - Indoor Units



## Console

- Slim & Smart Design
- 2Way Air Outlet
- Silent Operation



| Model Name             |                                    | Indoor Unit                     |                           | AC026FBJDEH               |                           | AC035FBJDEH          |  | AC052FBJDEH  |  |
|------------------------|------------------------------------|---------------------------------|---------------------------|---------------------------|---------------------------|----------------------|--|--------------|--|
|                        |                                    | Outdoor Unit                    |                           | AC026FCADDEH              |                           | AC035FCADDEH         |  | AC052FCADDEH |  |
| Capacity<br>(Nominal)  | Cooling (Min. / Std. / Max.)       | -                               | -                         | HEAT PUMP                 |                           | HEAT PUMP            |  | HEAT PUMP    |  |
|                        |                                    | kW                              | 0.98/2.60/3.40            | 1.20/3.50/3.90            |                           | 1.90/5.00/5.50       |  |              |  |
|                        | Heating (Min. / Std. / Max.)       | Btu/h                           | 3,300/8,900/11,600        | 4,100/11,900/13,300       |                           | 6,500/17,100/18,800  |  |              |  |
|                        |                                    | kW                              | 0.95/3.50/4.20            | 1.04/4.00/4.40            |                           | 1.50/5.60/6.50       |  |              |  |
|                        |                                    | Btu/h                           | 3,200/11,900/14,300       | 3,500/13,600/15,000       |                           | 5,100/19,100/22,200  |  |              |  |
|                        |                                    |                                 |                           |                           |                           |                      |  |              |  |
| Power                  | Power Input (Nominal)              | Cooling (Min. / Std. / Max.)    | kW                        | 0.23/0.81/1.20            | 0.25/1.29/1.50            | 0.25/1.78/2.20       |  |              |  |
|                        | Current Input (Nominal)            | Heating (Min. / Std. / Max.)    | A                         | 0.21/1.06/1.30            | 0.21/1.33/1.40            | 0.25/1.92/2.50       |  |              |  |
|                        |                                    | Cooling (Min. / Std. / Max.)    | A                         | 1.60/4.00/5.50            | 1.60/6.00/7.00            | 2.60/8.00/10.00      |  |              |  |
|                        |                                    | Heating (Min. / Std. / Max.)    | A                         | 1.30/5.00/6.50            | 1.30/6.20/7.20            | 2.30/8.70/14.00      |  |              |  |
|                        | MCA                                |                                 | A                         | 10.30 (MCA)               | 10.30 (MCA)               | 10.80 (MCA)          |  |              |  |
| Energy Efficiency      | MFA                                |                                 | A                         | 12.50                     | 12.50                     | 13.13                |  |              |  |
|                        | EER (Nominal Cooling)              | -                               | 3.21                      | 2.71                      | 2.81                      |                      |  |              |  |
|                        | COP (Nominal Heating)              | -                               | 3.30                      | 3.01                      | 2.92                      |                      |  |              |  |
|                        | Energy Grade                       | -                               | Energy Grade (C) 5.40 (A) | Energy Grade (C) 5.40 (A) | Energy Grade (C) 5.40 (A) |                      |  |              |  |
| Piping Connections     | Liquid Pipe                        | Φ, mm                           | 6.35                      | 6.35                      | 6.35                      |                      |  |              |  |
|                        |                                    | Φ, inch                         | 1/4"                      | 1/4"                      | 1/4"                      |                      |  |              |  |
|                        | Gas Pipe                           | Φ, mm                           | 9.52                      | 9.52                      | 12.70                     |                      |  |              |  |
|                        |                                    | Φ, inch                         | 3/8"                      | 3/8"                      | 1/2"                      |                      |  |              |  |
|                        | Installation Limitation            | Max. Length (Outdoor to indoor) | m                         | 20(25)                    | 20(25)                    | 30(35)               |  |              |  |
| Field Wiring           | Power Source Wire                  | Max. Height (Between ID/OD)     | m                         | 15(15)                    | 15(15)                    | 20(20)               |  |              |  |
|                        |                                    | -                               | 1.5 ~ 2.5                 | 1.5 ~ 2.5                 | 2.0                       |                      |  |              |  |
| Refrigerant            | Transmission Cable                 | -                               | 0.75 ~ 1.25               | 0.75 ~ 1.25               | 0.75 ~ 1.25               |                      |  |              |  |
|                        | Type                               | -                               | R410A                     | R410A                     | R410A                     |                      |  |              |  |
|                        | Control Method                     | -                               | -                         | -                         | -                         |                      |  |              |  |
|                        | Factory Charging                   | kg                              | 0.95                      | 0.95                      | 1.40                      |                      |  |              |  |
| INDOOR UNIT            |                                    |                                 |                           |                           |                           |                      |  |              |  |
| Power Supply           | Type                               | Φ, #, V, Hz                     | 1,2,220-240,50            | 1,2,220-240,50            | 1,2,220-240,50            |                      |  |              |  |
|                        |                                    | -                               | Turbo Fan/BLDC            | Turbo Fan/BLDC            | Turbo Fan/BLDC            |                      |  |              |  |
|                        | Motor                              | Output                          | W                         | 35.00                     | 35.00                     | 35.00                |  |              |  |
|                        | Number of Unit                     |                                 | EA                        | 1.00                      | 1.00                      | 1.00                 |  |              |  |
|                        | Air Flow Rate                      | High / Mid / Low                | CMM                       | 8.50/7.50/6.50            | 9.80/8.50/7.50            | 13.00/11.50/10.00    |  |              |  |
|                        |                                    |                                 | l/s                       | 141.67/125.00/108.33      | 163.33/141.67/125.00      | 216.67/191.67/166.67 |  |              |  |
|                        | External Static Pressure           | Min / Std / Max                 | mmAq                      | -                         | -                         | -                    |  |              |  |
| Drain                  | Drain Pipe                         | Φ,mm                            | -                         | -                         | -                         |                      |  |              |  |
|                        | Sound Pressure                     | High / Mid / Low                | Pa                        | -                         | -                         | -                    |  |              |  |
| External Dimension     | Net Weight                         | kg                              | VP18 (OD 19,ID 16)        | VP18 (OD 19,ID 16)        | VP18 (OD 19,ID 16)        |                      |  |              |  |
|                        | Shipping Weight                    | kg                              | 38.00/30.5/23.0           | 39.00/31.5/24.0           | 44.00/34.5/25.0           |                      |  |              |  |
|                        | Net Dimensions (WxHxD)             | mm                              | 15.20                     | 15.20                     | 15.20                     |                      |  |              |  |
|                        | Shipping Dimensions (WxHxD)        | mm                              | 20.30                     | 20.30                     | 20.30                     |                      |  |              |  |
| Panel Size             | Net Dimensions (WxHxD)             | mm                              | 720 x 620 x 199           | 720 x 620 x 199           | 720 x 620 x 199           |                      |  |              |  |
|                        | Panel model                        | -                               | 810 x 710 x 299           | 810 x 710 x 299           | 810 x 710 x 299           |                      |  |              |  |
|                        | Panel Net Weight                   | kg                              | -                         | -                         | -                         |                      |  |              |  |
|                        | Shipping Weight                    | kg                              | -                         | -                         | -                         |                      |  |              |  |
|                        | Net Dimensions (WxHxD)             | mm                              | -                         | -                         | -                         |                      |  |              |  |
| Additional Accessories | Shipping Dimensions (WxHxD)        | mm                              | -                         | -                         | -                         |                      |  |              |  |
|                        | Drain pump                         | -                               | -                         | -                         | -                         |                      |  |              |  |
|                        | Max. lifting Height / Displacement | mm / liter/h                    | -                         | -                         | -                         |                      |  |              |  |
|                        | Air Filter                         | -                               | -                         | -                         | -                         |                      |  |              |  |
| OUTDOOR UNIT           |                                    |                                 |                           |                           |                           |                      |  |              |  |
| Compressor             | Type                               | Φ, #, V, Hz                     | 1,2,220-240,50            | 1,2,220-240,50            | 1,2,220-240,50            |                      |  |              |  |
|                        |                                    | -                               | Single BLDC Rotary        | Single BLDC Rotary        | Twin BLDC Rotary          |                      |  |              |  |
|                        | Model                              |                                 | UG4C090LUDJR              | UG4C090LUDJR              | UG4T150FUDJQDO            |                      |  |              |  |
|                        | Output                             | kW                              | 0.86                      | 0.86                      | 1.37                      |                      |  |              |  |
|                        | Oil                                | Type                            | POE                       | POE                       | POE                       |                      |  |              |  |
| Fan                    | Initial Charge                     | cc                              | 320.00                    | 320.00                    | 650.00                    |                      |  |              |  |
|                        | Air Flow Rate                      | CMM                             | 29.00                     | 30.00                     | 33.00                     |                      |  |              |  |
|                        | Cooling                            | l/s                             | 483.33                    | 500.00                    | 550.00                    |                      |  |              |  |
| Sound                  | Sound Pressure                     | Cooling / Heating               | dB(A)                     | 47.0 / 47.0               | 49.0 / 49.0               |                      |  |              |  |
| External Dimension     | Net Weight                         | kg                              | 33.00                     | 33.00                     | 38.50                     |                      |  |              |  |
|                        | Shipping Weight                    | kg                              | 37.00                     | 37.00                     | 42.50                     |                      |  |              |  |
|                        | Net Dimensions (WxHxD)             | mm                              | 790 x 548 x 285           | 790 x 548 x 285           | 790 x 548 x 285           |                      |  |              |  |
|                        | Shipping Dimensions (WxHxD)        | mm                              | 926 x 655 x 382           | 926 x 655 x 382           | 926 x 655 x 382           |                      |  |              |  |
| Operating Temp. Range  | Cooling                            | °C                              | -10~46                    | -10~46                    | -15~46                    |                      |  |              |  |
|                        | Heating                            | °C                              | -15~24                    | -15~24                    | -15~24                    |                      |  |              |  |

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### Optional Accessories

Individual Controllers

MWR-WE10

MWR-WH0\*

MWR-SH00

MR-DH00

### Standard Accessories

Wireless Remote Controller



# Specification - Indoor Units



## Ceiling

- 2Way Installation
- Compact but Powerful



|                             |                                    |                                 |                              |                           |                      |
|-----------------------------|------------------------------------|---------------------------------|------------------------------|---------------------------|----------------------|
| Indoor Unit                 |                                    | AC052FBCDEH                     |                              | AC071FBCDEH               |                      |
| Outdoor Unit                |                                    | AC052FCDEH                      |                              | AC071FCDEH                |                      |
| Model Name                  | -                                  |                                 | HEAT PUMP                    |                           | HEAT PUMP            |
| Capacity (Nominal)          | Cooling (Min. / Std. / Max.)       | kW                              | 1.70/5.00/5.60               | 2.20/7.10/8.00            |                      |
|                             |                                    | Btu/h                           | 5,800/17,100/19,100          | 7,500/24,200/27,300       |                      |
|                             | Heating (Min. / Std. / Max.)       | kW                              | 1.70/6.00/7.70               | 1.90/8.00/9.00            |                      |
|                             |                                    | Btu/h                           | 5,800/20,500/26,300          | 6,500/27,300/30,700       |                      |
| Power                       | Power Input (Nominal)              | Cooling (Min. / Std. / Max.)    | kW                           | 0.48/1.66/1.90            | 0.35/2.36/4.00       |
|                             |                                    |                                 | Heating (Min. / Std. / Max.) | 0.43/1.87/3.05            | 0.35/2.75/4.00       |
|                             | Current Input (Nominal)            | Cooling (Min. / Std. / Max.)    | A                            | 2.80/7.80/9.00            | 2.00/10.50/21.00     |
|                             |                                    |                                 | Heating (Min. / Std. / Max.) | 2.40/8.80/14.50           | 2.00/12.60/21.00     |
|                             | MCA                                | A                               | 10.80 (MCA)                  | 20.30 (MCA)               |                      |
|                             | MFA                                | A                               | 13.13                        | 25.00                     |                      |
| Energy Efficiency           | EER (Nominal Cooling)              | -                               | 3.01                         | 3.01                      |                      |
|                             | COP (Nominal Heating)              | -                               | 3.21                         | 2.91                      |                      |
|                             | Energy Grade                       | -                               | Energy Grade (C) 5.30 (A)    | Energy Grade (C) 5.10 (A) |                      |
|                             |                                    | -                               | Energy Grade (H) 3.60 (A)    | Energy Grade (H) 3.40 (A) |                      |
| Piping Connections          | Liquid Pipe                        | Φ, mm                           | 6.35                         | 6.35                      |                      |
|                             |                                    | Φ, inch                         | 1/4"                         | 1/4"                      |                      |
|                             | Gas Pipe                           | Φ, mm                           | 12.70                        | 15.88                     |                      |
|                             |                                    | Φ, inch                         | 1/2"                         | 5/8"                      |                      |
|                             | Installation Limitation            | Max. Length (Outdoor to indoor) | m                            | 30(35)                    | 50(55)               |
| Field Wiring                | Power Source Wire                  | Max. Height (Between ID/OD)     | m                            | 20(20)                    | 30(30)               |
|                             |                                    | -                               | 2.0                          | 2.5 ~ 4.0                 |                      |
| Refrigerant                 | Transmission Cable                 | -                               | 0.75 ~ 1.25                  | 0.75 ~ 1.25               |                      |
|                             | Type                               | -                               | R410A                        | R410A                     |                      |
|                             | Control Method                     | -                               | -                            | -                         |                      |
|                             | Factory Charging                   | kg                              | 1.40                         | 1.80                      |                      |
| INDOOR UNIT                 |                                    |                                 |                              |                           |                      |
| Power Supply                | Φ, #, V, Hz                        | 1,2,220-240,50                  |                              | 1,2,220-240,50            |                      |
|                             | Type                               | -                               | Turbo Fan/BLDC               | Turbo Fan/BLDC            |                      |
|                             | Motor                              | Output                          | W                            | 35.00                     | 35.00                |
|                             | Number of Unit                     | -                               | EA                           | 1.00                      | 1.00                 |
|                             | Air Flow Rate                      | High / Mid / Low                | CMM                          | 13.50/12.50/11.50         | 16.50/15.00/14.00    |
|                             |                                    |                                 | l/s                          | 225.00/208.33/191.67      | 275.00/250.00/233.33 |
|                             | External Static Pressure           | Min / Std / Max                 | mmAq                         | -                         | -                    |
| Drain                       | Drain Pipe                         | Pa                              | -                            | -                         |                      |
| Sound                       | Sound Pressure                     | High / Mid / Low                | VP18 (OD 19, ID 16)          | VP18 (OD 19, ID 16)       |                      |
| External Dimension          | Net Weight                         | kg                              | 41.00/39.0/37.0              | 46.00/44.0/42.0           |                      |
|                             | Shipping Weight                    | kg                              | 22.00                        | 22.00                     |                      |
|                             | Net Dimensions (WxHxD)             | mm                              | 26.00                        | 26.00                     |                      |
|                             | Shipping Dimensions (WxHxD)        | mm                              | 1000 x 200 x 650             | 1000 x 200 x 650          |                      |
| Panel Size                  | Shipping Dimensions (WxHxD)        | mm                              | 1080 x 300 x 730             | 1080 x 300 x 730          |                      |
|                             | Panel model                        | -                               | -                            | -                         |                      |
|                             | Panel Net Weight                   | kg                              | -                            | -                         |                      |
|                             | Shipping Weight                    | kg                              | -                            | -                         |                      |
|                             | Net Dimensions (WxHxD)             | mm                              | -                            | -                         |                      |
| Shipping Dimensions (WxHxD) | mm                                 | -                               | -                            |                           |                      |
| Additional Accessories      | Drain pump                         | Drain pump                      | -                            | -                         |                      |
|                             | Max. lifting Height / Displacement | mm / liter/h                    | -                            | -                         |                      |
|                             | Air Filter                         | -                               | -                            | -                         |                      |
| OUTDOOR UNIT                |                                    |                                 |                              |                           |                      |
| Power Supply                | Φ, #, V, Hz                        | 1,2,220-240,50                  |                              | 1,2,220-240,50            |                      |
| Compressor                  | Type                               | -                               | Twin BLDC Rotary             | Twin BLDC Rotary          |                      |
|                             | Model                              | -                               | UG4T150FUDJQDO               | UG4T200FJAE4              |                      |
|                             | Output                             | kW                              | 1.37                         | 1.79                      |                      |
|                             |                                    | Oil                             | Type                         | POE                       | POE                  |
| Fan                         | Initial Charge                     | cc                              | 650.00                       | 650.00                    |                      |
|                             |                                    | CMM                             | 33.00                        | 52.00                     |                      |
| Sound                       | Air Flow Rate                      | Cooling                         | l/s                          | 866.67                    |                      |
|                             |                                    | Cooling / Heating               | dB(A)                        | 49.0 / 49.0               | 49.0 / 51.0          |
| External Dimension          | Net Weight                         | kg                              | 38.50                        | 55.00                     |                      |
|                             | Shipping Weight                    | kg                              | 42.50                        | 59.00                     |                      |
|                             | Net Dimensions (WxHxD)             | mm                              | 790 x 548 x 285              | 880 x 798 x 310           |                      |
|                             | Shipping Dimensions (WxHxD)        | mm                              | 926 x 655 x 382              | 1023 x 891 x 413          |                      |
| Operating Temp. Range       | Cooling                            | °C                              | -15~46                       | -15~50                    |                      |
|                             | Heating                            | °C                              | -15~24                       | -20~24                    |                      |

\* Product Specifications in the Publication can be changed without a prior notice. Because there is always an ongoing improvement on our product.

### Optional Accessories

Individual Controllers

MWR-WE10MWR-WH0\*MWR-SH00MR-DH00

### Standard Accessories

Wireless Remote Controller



ERV

Lineup

| Model \ Air Volume (m³/hr) | 250                                                                                                       | 350                                                                                                         | 500                                                                                                         | 800                                                                                                         | 1000                                                                                                        |
|----------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| ERV                        | <div><br/>RHF025EE</div> | <div><br/>RHF035EE</div> | <div><br/>RHF050EE</div> | <div><br/>RHF080EE</div> | <div><br/>RHF100EE</div> |

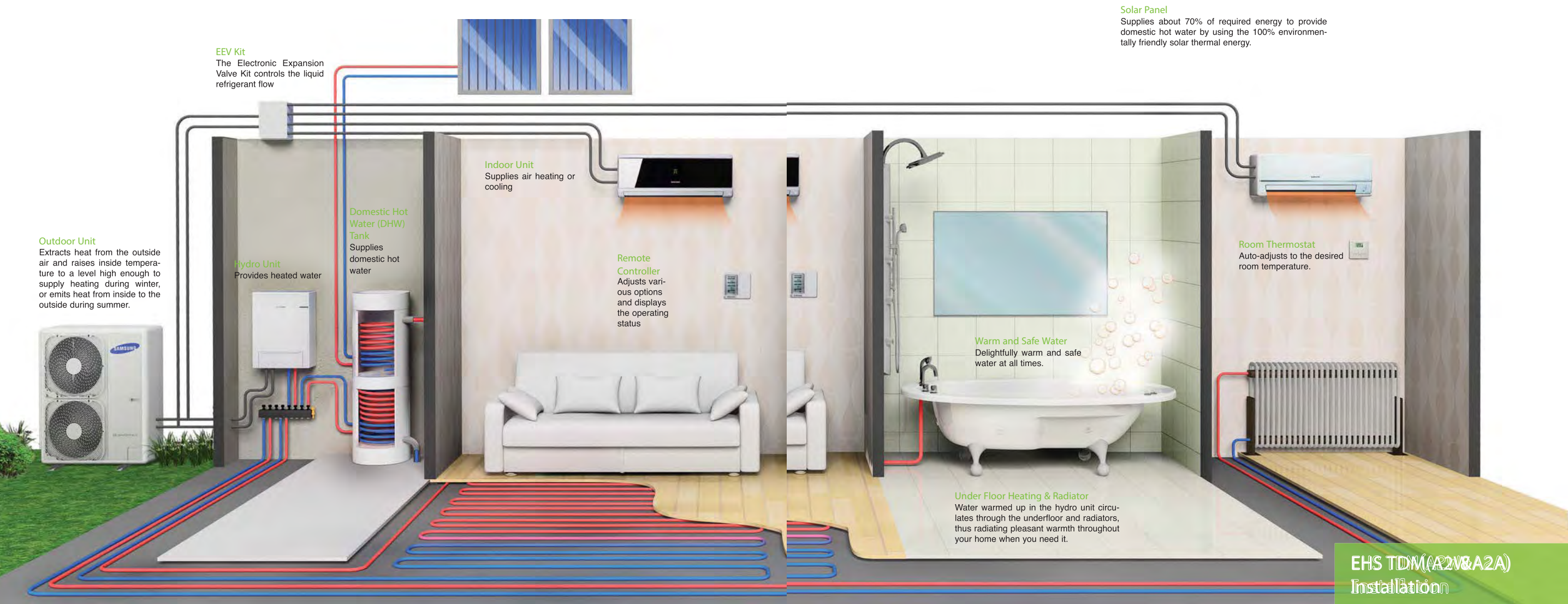
ERV

Feature

|                                     |                                                                                                         |
|-------------------------------------|---------------------------------------------------------------------------------------------------------|
|                                     | <div><br/>ERV</div> |
| Damper                              | •                                                                                                       |
| Direct Expansion (DX) Coil          |                                                                                                         |
| Humidifier element (Optional)       |                                                                                                         |
| Supply/Exhaust Fan                  | •                                                                                                       |
| Dust Filter                         | •                                                                                                       |
| Heat Exchanger Element              | •                                                                                                       |
| Control Box                         | •                                                                                                       |
| Temperature Sensor                  | •                                                                                                       |
| CO <sub>2</sub> Sensor (Optional)   | •                                                                                                       |
| BLDC Fan Motor                      | •                                                                                                       |
| Energy Saving Operation (Auto Mode) | •                                                                                                       |
| New Diamond Type Element            | •                                                                                                       |
| Flexible Installation               | •                                                                                                       |
| Slim Design                         | •                                                                                                       |
| Silent Operation                    | •                                                                                                       |
| S-Plasma ion (Optional)             | •                                                                                                       |



# EHS Lineup & Feature - TDM ( A2W & A2A)



| Type         |          | 6.0kW                                                                               | 7.0kW                                                                               | 8.0kW                                                                               | 11kW                                                                                 | 14kW                                                                                  | 16kW                                                                                  |
|--------------|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Outdoor Unit | 1Φ Phase |  |  |  |  |  |  |
| Hydro Unit   | 1Φ Phase |                                                                                     |  |                                                                                     |                                                                                      |  |                                                                                       |

| Type                                  |  | 200L                                                                                | 300L                                                                                  |
|---------------------------------------|--|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| DHW Tank (Optionally Solar Connected) |  |  |  |

\* There are two different types of DHW Tanks : Standard and Solar Connected types.

| Type        | Model     | 2.2kW                                                                                 | 2.8kW                                                                                 | 3.6kW                                                                                 | 4.5kW                                                                                 | 5.6kW                                                                                 | 7.1kW                                                                                 |
|-------------|-----------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Indoor Unit | Vivace    |  |  |  |                                                                                       |  |  |
|             | Neo Forte |  |  |  |                                                                                       |  |  |
|             | Slim Duct |  |  |  |  |  |                                                                                       |

\* Solar Panel (Field Supply) - Optional

# EHS Lineup & Feature - Mono (A2W)

| Type         | 9kW                                                                               | 12kW                                                                              | 14kW                                                                                | 16kW                                                                                |
|--------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Outdoor Unit |  |  |  |  |
|              |                                                                                   |  |  |  |

| Type                          | 200L                                                                              | 300L                                                                                |
|-------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Cylinder Unit (Standard Type) |  |  |

| Type        | MIM-E03A                                                                           |
|-------------|------------------------------------------------------------------------------------|
| Control Kit |  |

# EHS Lineup & Feature - Split (A2W)

| Type         | 6kW                                                                                 | 10kW                                                                                | 12.5kW                                                                                | 14kW                                                                                  | 16kW                                                                                  |
|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Outdoor Unit |  |  |    |  |  |
|              |                                                                                     |                                                                                     |    |  |  |
| Hydro Unit   |  |                                                                                     |  |                                                                                       |                                                                                       |

# EHS Specification - TDM (A2W & A2A)



## Outdoor Unit (TDM)

- One outdoor unit works with both Air-to-Water (A2W) Hydro unit and Air-to-Air (A2A) Indoor unit

| Model                       |                                      |         |              | RD060PHXEA                   | RD070PHXEA                   | RD080PHXEA                   |       |
|-----------------------------|--------------------------------------|---------|--------------|------------------------------|------------------------------|------------------------------|-------|
| Hydro Unit                  |                                      |         |              | NH080PHXEA                   | NH080PHXEA                   | NH080PHXEA                   |       |
| Mode                        |                                      |         |              | Heat Pump<br>(A2A/A2W Multi) | Heat Pump<br>(A2A/A2W Multi) | Heat Pump<br>(A2A/A2W Multi) |       |
| Power Supply                |                                      |         |              | Φ, #, V, Hz                  | 1,220~240,50                 | 1,220~240,50                 |       |
| Performance<br>(A2W #1)     | Nominal Capacity <sup>(1)</sup>      | Heating | W            | 6,000                        | 7,000                        | 8,000                        |       |
|                             |                                      |         | Btu/h        | 20,500                       | 23,900                       | 27,300                       |       |
|                             |                                      | Cooling | W            | 7,000                        | 7,500                        | 8,000                        |       |
|                             |                                      |         | Btu/h        | 23,900                       | 25,600                       | 27,300                       |       |
|                             | Nominal Power Input <sup>(1)</sup>   | Heating | W            | 1,305                        | 1,590                        | 1,925                        |       |
|                             |                                      | Cooling | W            | 1,945                        | 2,205                        | 2,540                        |       |
|                             | Nominal Current Input <sup>(1)</sup> | Heating | A            | 6.0                          | 7.3                          | 8.8                          |       |
|                             |                                      | Cooling | A            | 8.9                          | 10.1                         | 11.6                         |       |
|                             | COP(Heating) <sup>(1)</sup>          |         |              | W                            | 4.60                         | 4.40                         | 4.15  |
|                             | EER(Cooling) <sup>(1)</sup>          |         |              | W                            | 3.60                         | 3.40                         | 3.15  |
| ESEER <sup>(2)</sup>        |                                      |         | A            | 5.20                         | 5.50                         | 4.90                         |       |
| Performance<br>(A2A)        | Nominal Capacity                     | Cooling | W            | 3,000~6,000                  | 3,500~7,000                  | 4,000~8,000                  |       |
|                             |                                      |         | Btu/h        | 10,200~20,500                | 11,900~23,900                | 13,600~27,300                |       |
|                             | Allowable No. of Indoor Units        |         |              | EA                           | Max 3                        | Max 3                        | Max 3 |
|                             | COP(Heating) <sup>(3)</sup>          |         |              | W/W                          | 4.04                         | 4.04                         | 4.04  |
| EER(Cooling) <sup>(3)</sup> |                                      |         | W/W          | 3.21                         | 3.21                         | 3.21                         |       |
| Electric Specification      | MCA                                  |         |              | A                            | 13.50                        | 16.00                        | 18.00 |
|                             | MFA                                  |         |              | A                            | 16.88                        | 20.00                        | 22.50 |
| Refrigerant Side            | Compressor                           | Type    | -            | Rotary Inverter              | Rotary Inverter              | Rotary Inverter              |       |
|                             | Oil                                  | Type    | -            | POE                          | POE                          | POE                          |       |
|                             | Refrigerant                          | Type    | -            | R410A                        | R410A                        | R410A                        |       |
|                             | Piping Connections                   | Liquid  | Φ, mm (inch) | 9.52(3/8")                   | 9.52(3/8")                   | 9.52(3/8")                   |       |
|                             |                                      | Gas     | Φ, mm (inch) | 15.88(5/8")                  | 15.88(5/8")                  | 15.88(5/8")                  |       |
|                             | Installation Limitation              | Length  | m            | 30                           | 30                           | 30                           |       |
| Sound                       | Sound Pressure <sup>(4)</sup>        | Height  | m            | 15                           | 15                           | 15                           |       |
|                             |                                      | Heating | dB(A)        | 48                           | 48                           | 49                           |       |
| External Dimension          | Weight                               | Cooling | dB(A)        | 48                           | 48                           | 50                           |       |
|                             |                                      | Net     | kg           | 71                           | 71                           | 71                           |       |
|                             | Dimensions (WxHxD)                   | Gross   | kg           | 79                           | 79                           | 79                           |       |
|                             |                                      | Net     | mm           | 880x798x310                  | 880x798x310                  | 880x798x310                  |       |
| Operating Range             | Ambient (A2W)                        | Gross   | mm           | 1,023x891x413                | 1,023x891x413                | 1,023x891x413                |       |
|                             |                                      | Heating | °C           | -20~35                       | -20~35                       | -20~35                       |       |
|                             | Ambient (A2A)                        | Cooling | °C           | 10~46                        | 10~46                        | 10~46                        |       |
|                             |                                      | DHW     | °C           | -20~43                       | -20~43                       | -20~43                       |       |
|                             |                                      | Heating | °C           | -20~24                       | -20~24                       | -20~24                       |       |
|                             |                                      | Cooling | °C           | 10~43                        | 10~43                        | 10~43                        |       |

\*1)~3) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.  
\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air DB 35°C.  
\*2) A2W Condition for ESEER(Cooling) at Water Out 7°C.  
\*3) A2A Condition : (Heating) Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB; (Cooling) Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB.  
\*4) Sound Pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



# EHS Specification - TDM (A2W & A2A)



## Outdoor Unit (TDM)

- One outdoor unit gets done the task that two outdoor units used to do
  - Air-to-Water (A2W) and Air-to-Air (A2A)

# EHS Specification - Split (A2W)



## Outdoor Unit (Split)

- Outdoor unit works with Air-to-Water (A2W) Hydro unit to supply hot water

| Model                       |                                      |               |              | RD110PHXEA                   | RD140PHXEA                   | RD160PHXEA                   |        |
|-----------------------------|--------------------------------------|---------------|--------------|------------------------------|------------------------------|------------------------------|--------|
| Hydro Unit                  |                                      |               |              | NH160PHXEA                   | NH160PHXEA                   | NH160PHXEA                   |        |
| Mode                        |                                      |               |              | Heat Pump<br>(A2A/A2W Multi) | Heat Pump<br>(A2A/A2W Multi) | Heat Pump<br>(A2A/A2W Multi) |        |
| Power Supply                |                                      |               |              | Φ, #, V, Hz                  | 1,220~240,50                 | 1,220~240,50                 |        |
| Performance<br>(A2W #1)     | Nominal Capacity <sup>(1)</sup>      | Heating       | W            | 11,000                       | 14,000                       | 16,000                       |        |
|                             |                                      |               | Btu/h        | 37,500                       | 47,800                       | 54,600                       |        |
|                             |                                      | Cooling       | W            | 11,300                       | 14,200                       | 15,500                       |        |
|                             |                                      |               | Btu/h        | 38,600                       | 48,500                       | 52,900                       |        |
|                             | Nominal Power Input <sup>(1)</sup>   | Heating       | W            | 2,420                        | 3,210                        | 3,900                        |        |
|                             |                                      | Cooling       | W            | 2,900                        | 3,940                        | 4,700                        |        |
|                             | Nominal Current Input <sup>(1)</sup> | Heating       | A            | 10.7                         | 14.2                         | 17.3                         |        |
|                             |                                      | Cooling       | A            | 12.9                         | 17.5                         | 20.8                         |        |
|                             | COP(Heating) <sup>(1)</sup>          |               | W            | 4.55                         | 4.36                         | 4.10                         |        |
|                             | EER(Cooling) <sup>(1)</sup>          |               | W            | 3.90                         | 3.60                         | 3.30                         |        |
| ESEER <sup>(2)</sup>        |                                      | A             | 5.96         | 5.66                         | 5.50                         |                              |        |
| Performance<br>(A2A)        | Nominal Capacity                     | Cooling       | W            | 6,000~11,000                 | 6,400~14,000                 | 6,400~14,000                 |        |
|                             |                                      |               | Btu/h        | 20,500~37,500                | 21,800~47,800                | 21,800~47,800                |        |
|                             | Allowable No. of Indoor Units        |               | EA           | Max 4                        | Max 4                        | Max 4                        |        |
|                             | COP(Heating) <sup>(3)</sup>          |               | W/W          | 3.94                         | 3.94                         | 3.94                         |        |
| EER(Cooling) <sup>(3)</sup> |                                      | W/W           | 3.46         | 3.46                         | 3.46                         |                              |        |
| Electric Specification      | MCA                                  |               | A            | 25.00                        | 28.00                        | 30.00                        |        |
|                             | MFA                                  |               | A            | 31.25                        | 35.00                        | 37.50                        |        |
| Refrigerant Side            | Compressor                           | Type          | -            | Rotary Inverter              | Rotary Inverter              | Rotary Inverter              |        |
|                             | Oil                                  | Type          | -            | POE                          | POE                          | POE                          |        |
|                             | Refrigerant                          | Type          | -            | R410A                        | R410A                        | R410A                        |        |
|                             | Piping Connections                   | Liquid        | Φ, mm (inch) | 9.52(3/8")                   | 9.52(3/8")                   | 9.52(3/8")                   |        |
|                             |                                      | Gas           | Φ, mm (inch) | 15.88(5/8")                  | 15.88(5/8")                  | 15.88(5/8")                  |        |
|                             | Installation Limitation              | Length        | m            | 70                           | 70                           | 70                           |        |
|                             |                                      | Height        | m            | 30                           | 30                           | 30                           |        |
| Sound                       | Sound Pressure <sup>(4)</sup>        | Heating       | dB(A)        | 49                           | 51                           | 53                           |        |
|                             |                                      | Cooling       | dB(A)        | 50                           | 52                           | 54                           |        |
| External Dimension          | Weight                               | Net           | kg           | 108                          | 108                          | 108                          |        |
|                             |                                      | Gross         | kg           | 116                          | 116                          | 116                          |        |
|                             | Dimensions (WxHxD)                   | Net           | mm           | 932x1,128x375                | 932x1,128x375                | 932x1,128x375                |        |
|                             |                                      | Gross         | mm           | 1,091x1,286x472              | 1,091x1,286x472              | 1,091x1,286x472              |        |
| Operating Range             | Heating                              | °C            | -20~35       | -20~35                       | -20~35                       |                              |        |
|                             |                                      | Ambient (A2W) | Cooling      | °C                           | 10~46                        | 10~46                        | 10~46  |
|                             |                                      |               | DHW          | °C                           | -20~43                       | -20~43                       | -20~43 |
|                             | Ambient (A2A)                        |               | Heating      | °C                           | -20~24                       | -20~24                       | -20~24 |
|                             |                                      | Cooling       | °C           | 10~43                        | 10~43                        | 10~43                        |        |

\*1)~3) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.  
\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air DB 35°C.  
\*2) A2W Condition for ESEER(Cooling) at Water Out 7°C.  
\*3) A2A Condition : (Heating) Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB; (Cooling) Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB.  
\*4) Sound Pressure was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

| Model                   |                                      |             |              | AEX060EDEHA                  | AEX100EDEHA             | AEX125EDEHA             | AEX140EDEHA             | AEX140EDEHA             |
|-------------------------|--------------------------------------|-------------|--------------|------------------------------|-------------------------|-------------------------|-------------------------|-------------------------|
| Hydro Unit              |                                      |             |              | AEN080YDEHA                  | AEN080YDEHA             | AEN160YDEHA             | AEN160YDEHA             | AEN160YDEHA             |
| Mode                    |                                      |             |              | -<br>Heat Pump<br>(A2W Only) | Heat Pump<br>(A2W Only) | Heat Pump<br>(A2W Only) | Heat Pump<br>(A2W Only) | Heat Pump<br>(A2W Only) |
| Power Supply            |                                      |             |              | Φ, #, V, Hz                  | 1,220-240,50            | 1,220-240,50            | 1,220-240,50            | 1,220-240,50            |
| Performance<br>(A2W #1) | Nominal Capacity <sup>(1)</sup>      | Heating     | W            | 5,800                        | 10,000                  | 12,500                  | 14,000                  | 16,000                  |
|                         |                                      |             | Btu/h        | 19,800                       | 34,100                  | 42,700                  | 47,800                  | 54,600                  |
|                         |                                      | Cooling     | W            | 5,300                        | 9,100                   | 15,000                  | 16,200                  | 17,400                  |
|                         |                                      |             | Btu/h        | 18,100                       | 31,000                  | 51,200                  | 55,300                  | 59,400                  |
|                         | Nominal Power Input <sup>(1)</sup>   | Heating     | W            | 1,220                        | 2,220                   | 2,660                   | 3,110                   | 3,720                   |
|                         |                                      | Cooling     | W            | 1,905                        | 2,890                   | 4,350                   | 5,150                   | 6,000                   |
|                         | Nominal Current Input <sup>(1)</sup> | Heating     | A            | 5.7                          | 9.70                    | 11.70                   | 13.70                   | 16.30                   |
|                         |                                      | Cooling     | A            | 8.8                          | 12.70                   | 19.10                   | 22.60                   | 26.40                   |
|                         | COP(Heating) <sup>(1)</sup>          |             | W            | 4.75                         | 4.50                    | 4.70                    | 4.50                    | 4.30                    |
|                         | EER(Cooling) <sup>(1)</sup>          |             | W            | 3.50                         | 3.15                    | 3.45                    | 3.15                    | 2.90                    |
| Electric Specification  | ESEER <sup>(2)</sup>                 |             | A            | 4.50                         | 4.60                    | 4.80                    | 4.75                    | 4.70                    |
|                         | MCA                                  |             | A            | 20.0                         | 22.0                    | 28.0                    | 30.0                    | 32.0                    |
|                         | MFA                                  |             | A            | 25.0                         | 27.5                    | 35.0                    | 37.5                    | 40.0                    |
| Refrigerant Side        | Compressor                           | Type        | -            | Rotary Inverter              | Rotary Inverter         | Rotary Inverter         | Rotary Inverter         | Rotary Inverter         |
|                         |                                      | Model       | -            | UG4T200FUA4                  | UG8T300FUBJU            | UG5T450FUEJX            | UG5T450FUEJX            | UG5T450FUEJX            |
|                         | Oil                                  | Type        | -            | POE                          | POE                     | POE                     | POE                     | POE                     |
|                         |                                      | Refrigerant | Type         | -                            | R410A                   | R410A                   | R410A                   | R410A                   |
|                         | Piping Connections                   | Liquid      | Φ, mm (inch) | 6.35(1/4")                   | 9.52(3/8")              | 9.52(3/8")              | 9.52(3/8")              | 9.52(3/8")              |
|                         |                                      | Gas         | Φ, mm (inch) | 15.88(5/8")                  | 15.88(5/8")             | 15.88(5/8")             | 15.88(5/8")             | 15.88(5/8")             |
|                         | Installation Limitation              | Length      | m            | 30                           | 50                      | 50                      | 50                      | 50                      |
|                         |                                      | Height      | m            | 20                           | 30                      | 30                      | 30                      | 30                      |
| Base Heater (Option)    |                                      | Capacity    | W            | N/A                          | 150                     | 150                     | 150                     |                         |
| Sound                   | Sound Pressure <sup>(3)</sup>        | Heating     | dB(A)        | 53                           | 50                      | 50                      | 53                      | 53                      |
|                         |                                      | Cooling     | dB(A)        | 54                           | 52                      | 51                      | 53                      | 54                      |
|                         | Sound Power                          |             | dB(A)        | 62                           | 66                      | 64                      | 66                      | 68                      |
| External Dimension      | Weight                               | Net         | kg           | 47.5                         | 74                      | 98                      | 98                      | 98                      |
|                         |                                      | Gross       | kg           | 52.5                         | 82                      | 108                     | 108                     | 108                     |
|                         | Dimensions (WxHxD)                   | Net         | mm           | 880x638x310                  | 940x998x330             | 940x1,420x330           | 940x1,420x330           | 940x1,420x330           |
|                         |                                      | Gross       | mm           | 1,024x750x414                | 995x1,906x426           | 995x1,548x426           | 995x1,548x426           | 995x1,548x426           |
| Operating Range         | Ambient (A2W)                        | Heating     | °C           | -20~35                       | -20~35                  | -20~35                  | -20~35                  | -20~35                  |
|                         |                                      | Cooling     | °C           | 10~46                        | 10~46                   | 10~46                   | 10~46                   | 10~46                   |
|                         |                                      | DHW         | °C           | -20~43                       | -20~43                  | -20~43                  | -20~43                  | -20~43                  |
|                         |                                      | Heating     | °C           | 25~55                        | 25~55                   | 25~55                   | 25~55                   | 25~55                   |
|                         | Leaving Water                        | Cooling     | °C           | 5~25                         | 5~25                    | 5~25                    | 5~25                    | 5~25                    |

\*1)~2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.  
\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.  
\*2) A2W Condition for ESEER(Cooling) at Water Out 18°C.  
\*3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



# EHS Specification - Split (A2W)



## Outdoor Unit (Split)

| Model                  |                                      |         |              | AEX125EDGHA     | AEX140EDGHA          | AEX160EDGHA          |
|------------------------|--------------------------------------|---------|--------------|-----------------|----------------------|----------------------|
| Hydro Unit             |                                      |         |              | AEN160YDGHA     | AEN160YDGHA          | AEN160YDGHA          |
| Mode                   |                                      |         |              | -               | Heat Pump (A2W Only) | Heat Pump (A2W Only) |
| Power Supply           |                                      |         |              | Φ, #, V, Hz     | 3,380~415,50         | 3,380~415,50         |
| Performance (A2W #1)   | Nominal Capacity <sup>(1)</sup>      | Heating | W            | 12,500          | 14,000               | 16,000               |
|                        |                                      |         | Btu/h        | 42,700          | 47,800               | 54,600               |
|                        |                                      | Cooling | W            | 15,000          | 16,200               | 17,400               |
|                        |                                      |         | Btu/h        | 51,200          | 55,300               | 59,400               |
|                        | Nominal Power Input <sup>(1)</sup>   | Heating | W            | 2,660           | 3,110                | 3,720                |
|                        |                                      | Cooling | W            | 4,350           | 5,150                | 6,000                |
|                        | Nominal Current Input <sup>(1)</sup> | Heating | A            | 4.20            | 4.90                 | 5.80                 |
|                        |                                      | Cooling | A            | 6.80            | 8.10                 | 9.40                 |
|                        | Nominal Heating (COP) <sup>(1)</sup> |         |              | W               | 4.70                 | 4.30                 |
|                        | Nominal Cooling (EER) <sup>(1)</sup> |         |              | W               | 3.45                 | 2.90                 |
| Electric Specification | ESEER <sup>(2)</sup>                 |         |              | A               | 4.80                 | 4.70                 |
|                        | MCA                                  |         |              | A               | 10.0                 | 12.0                 |
| Refrigerant Side       | MFA                                  |         |              | A               | 12.5                 | 15.0                 |
|                        | Compressor                           | Type    | -            | Rotary Inverter | Rotary Inverter      | Rotary Inverter      |
|                        |                                      | Model   | -            | UG5T450FUEJX    | UG5T450FUEJX         | UG5T450FUEJX         |
|                        | Oil                                  | Type    | -            | POE             | POE                  | POE                  |
|                        |                                      | Type    | -            | R410A           | R410A                | R410A                |
|                        | Piping Connections                   | Liquid  | Φ, mm (inch) | 9.52(3/8")      | 9.52(3/8")           | 9.52(3/8")           |
|                        |                                      | Gas     | Φ, mm (inch) | 15.88(5/8")     | 15.88(5/8")          | 15.88(5/8")          |
|                        | Installation Limitation              | Length  | m            | 50              | 50                   | 50                   |
|                        |                                      | Height  | m            | 30              | 30                   | 30                   |
|                        | Base Heater (Option)                 |         |              | Capacity        | W                    | 150                  |
| Sound                  | Sound Pressure <sup>(3)</sup>        | Heating | dB(A)        | 50              | 50                   | 53                   |
|                        |                                      | Cooling | dB(A)        | 51              | 53                   | 54                   |
|                        | Sound Power                          |         |              | dB(A)           | 64                   | 66                   |
| External Dimension     | Weight                               | Net     | kg           | 98              | 98                   | 98                   |
|                        |                                      | Gross   | kg           | 108             | 108                  | 108                  |
|                        | Dimensions (WxHxD)                   | Net     | mm           | 940x1,420x330   | 940x1,420x330        | 940x1,420x330        |
|                        |                                      | Gross   | mm           | 995x1,548x426   | 995x1,548x426        | 995x1,548x426        |
| Operating Range        | Ambient (A2W)                        | Heating | °C           | -20~35          | -20~35               | -20~35               |
|                        |                                      | Cooling | °C           | 10~46           | 10~46                | 10~46                |
|                        |                                      | DHW     | °C           | -20~43          | -20~43               | -20~43               |
|                        | Leaving Water                        | Heating | °C           | 25~55           | 25~55                | 25~55                |
|                        |                                      | Cooling | °C           | 5~25            | 5~25                 | 5~25                 |
|                        |                                      | Cooling | °C           | 5~25            | 5~25                 | 5~25                 |

\*1)~2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.  
\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.  
\*2) A2W Condition for ESEER(Cooling) at Water Out 18°C.  
\*3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

# EHS Specification - TDM (A2W & A2A), Split (A2W)



## Hydro Unit

- Combining with TDM or Split Outdoor units

|                    |                           |                 |               | TDM                   |                          | SPLIT                        |                              |                              |
|--------------------|---------------------------|-----------------|---------------|-----------------------|--------------------------|------------------------------|------------------------------|------------------------------|
| Model              |                           |                 |               | NH080PHXEA            | NH160PHXEA               | AEN080YDEHA                  | AEN160YDEHA                  | AEN160YDGHA                  |
| Power Supply       |                           | Φ, #, V, Hz     |               | 1,220-240,50          | 1,220-240,50             | 1,220-240,50<br>3,380-415,50 | 1,220-240,50<br>3,380-415,50 | 1,220-240,50<br>3,380-415,50 |
| Performance        | Nominal Capacity          | Heating         | W             | 6,000 / 7,000 / 8,000 | 11,000 / 14,000 / 16,000 | 5,200 / 10,000               | 12,500 / 14,000 / 16,000     | 12,500 / 14,000 / 16,000     |
|                    |                           | Cooling         | W             | 7,000 / 7,500 / 8,000 | 11,300 / 14,200 / 15,600 | 5,000 / 9,000                | 11,200 / 12,500 / 14,000     | 11,200 / 12,500 / 14,000     |
|                    | Leaving Water Temp. Range | Heating         | ℃             | 15~55 (H/P : 25~55)   | 15~55 (H/P : 25~55)      | 15~55 (H/P : 25~55)          | 15~55 (H/P : 25~55)          | 15~55 (H/P : 25~55)          |
|                    |                           | Cooling         | ℃             | 5~25                  | 5~25                     | 5~25                         | 5~25                         | 5~25                         |
| Water Side         | Required Water Pressure   |                 | bar           | Max 3.0               | Max 3.0                  | Max 3.0                      | Max 3.0                      | Max 3.0                      |
|                    | Required Flow Rate        |                 | LPM           | Min 12.0              | Min 16.0                 | Min 12.0                     | Min 16.0                     | Min 16.0                     |
|                    | Piping Connections        | In/Out          | Φ, inch       | 1 1/4" (BSPP)         | 1 1/4" (BSPP)            | 1 1/4" (BSPP)                | 1 1/4" (BSPP)                | 1 1/4" (BSPP)                |
| Refrigerant Side   | Piping Connections        | Liquid          | Φ, mm(inch)   | 9.52(3/8")            | 9.52(3/8")               | 9.52(3/8")                   | 9.52(3/8")                   | 9.52(3/8")                   |
|                    |                           | Gas             | Φ, mm(inch)   | 15.88(5/8")           | 15.88(5/8")              | 15.88(5/8")                  | 15.88(5/8")                  | 15.88(5/8")                  |
| Hydro Unit Parts   | Water Pump                | Flow Rate       | kg/min        | 17.0 / 20.5 / 23.0    | 31.5 / 40.1 / 45.9       | 17.0 / 20.5 / 23.0           | 31.5 / 40.1 / 45.9           | 31.5 / 40.1 / 45.9           |
|                    | Electric Heater           | Input Power     | W             | 4,000                 | 6,000                    | 4,000                        | 6,000                        | 6,000                        |
|                    | Expansion Vessel          | Volume          | Liter         | 8                     | 8                        | 8                            | 8                            | 8                            |
|                    | Pressure Relief Valve     | Relief Pressure | bar           | 2.9                   | 2.9                      | 2.9                          | 2.9                          | 2.9                          |
|                    | Air Purge Valve           | Size            | Φ, inch       | 3/8" (BSPP male)      | 3/8" (BSPP male)         | 3/8" (BSPP male)             | 3/8" (BSPP male)             | 3/8" (BSPP male)             |
|                    | Service Valve             | Size            | Φ, inch       | 1 1/4" (BSPP male)    | 1 1/4" (BSPP male)       | 1 1/4" (BSPP male)           | 1 1/4" (BSPP male)           | 1 1/4" (BSPP male)           |
|                    | External Dimension        | Weight          | Net           | kg                    | 45                       | 48                           | 45                           | 48                           |
| Gross              |                           |                 | kg            | 55                    | 58                       | 55                           | 58                           | 55                           |
| Dimensions (WxHxD) |                           | Net             | mm            | 510x850x315           | 510x850x315              | 510x850x315                  | 510x850x315                  | 510x850x315                  |
| Gross              | mm                        |                 | 564x1,024x412 | 564x1,024x412         | 564x1,024x412            | 564x1,024x412                | 564x1,024x412                |                              |
| External Control   | Back up Boiler            | -               |               | 230VAC 1A(DO)         | 230VAC 1A(DO)            | 230VAC 1A(DO)                | 230VAC 1A(DO)                | 230VAC 1A(DO)                |
|                    | Room Thermostat           | -               |               | 230VAC 1A(DI)         | 230VAC 1A(DI)            | 230VAC 1A(DI)                | 230VAC 1A(DI)                | 230VAC 1A(DI)                |
|                    | Solar Pump                | -               |               | 230VAC 1A(DI)         | 230VAC 1A(DI)            | 230VAC 1A(DI)                | 230VAC 1A(DI)                | 230VAC 1A(DI)                |
|                    | Valves, 2 or 3way         | -               |               | 230VAC 1A(DO)         | 230VAC 1A(DO)            | 230VAC 1A(DO)                | 230VAC 1A(DO)                | 230VAC 1A(DO)                |

# EHS Specification - TDM, Mono, Split



## DHW Tank

- DHW Tank supplies sanitary hot water and is compatible with Solar Panel (Solar type tank only)

| Model                      |                               | Standard          |                                               | Solar Connected                               |                                               |
|----------------------------|-------------------------------|-------------------|-----------------------------------------------|-----------------------------------------------|-----------------------------------------------|
|                            |                               | NH200WHXEA        | NH300WHXEA                                    | NH200WHXES                                    | NH300WHXES                                    |
| Pressure Vessel            | Material Quality              | -                 | AISI 444/DIN 1.4521                           | AISI 444/DIN 1.4521                           | AISI 444/DIN 1.4521                           |
|                            | Volume Capacity               | Liter             | 198                                           | 287                                           | 287                                           |
| Power Supply               | Φ, #, V, Hz                   | 1, 2, 220-240, 50 | 1, 2, 220-240, 50                             | 1, 2, 220-240, 50                             | 1, 2, 220-240, 50                             |
| Electric Element           | Capacity                      | kW                | 2.6                                           | 2.6                                           | 2.6                                           |
|                            | Material                      | -                 | Incoloy 825                                   | Incoloy 825                                   | Incoloy 825                                   |
|                            | Thermostat #1 ( Auto )        | °C                | -                                             | -                                             | -                                             |
|                            | Thermostat #2 ( Manual )      | °C                | -                                             | -                                             | -                                             |
| Heating Coil               | Material Quality              | -                 | Duplex LDX 2101                               | Duplex LDX 2101                               | Duplex LDX 2101                               |
|                            | Heating Area                  | m <sup>2</sup>    | 0.71                                          | 0.71                                          | 0.71                                          |
| Heating Coil for Solar     | Material Quality              | -                 | -                                             | Duplex LDX 2101                               | Duplex LDX 2101                               |
|                            | Heating Area                  | m <sup>2</sup>    | -                                             | 0.47                                          | 0.47                                          |
| Insulation                 | Material Quality              | -                 | Polyrethane form                              | Polyrethane form                              | Polyrethane form                              |
|                            | Thickness                     | mm                | 40                                            | 40                                            | 40                                            |
| Insulation Jacket          | Material Quality              | -                 | Epoxy-Coated Mild Steel-White                 | Epoxy-Coated Mild Steel-White                 | Epoxy-Coated Mild Steel-White                 |
| Dimensions Overall         | Diameter                      | mm                | 585                                           | 585                                           | 585                                           |
|                            | Height                        | mm                | 1,130                                         | 1,580                                         | 1,580                                         |
| Connections                | Cold Water Inlet              | inch              | 3/4 (FBSP)                                    | 3/4 (FBSP)                                    | 3/4 (FBSP)                                    |
|                            | Hot Water Outlet              | inch              | 3/4 (FBSP)                                    | 3/4 (FBSP)                                    | 3/4 (FBSP)                                    |
|                            | Recirculation                 | mm                | Ø22mm Straight tube (for compression fitting) | Ø22mm Straight tube (for compression fitting) | Ø22mm Straight tube (for compression fitting) |
|                            | Flow & Return                 | mm                | 3/4 (Female)                                  | 3/4 (Female)                                  | 3/4 (Female)                                  |
|                            | Sensor Poket(s)               | mm                | Ø8mm Inside, 1/2" Thread                      | Ø8mm Inside, 1/2" Thread                      | Ø8mm Inside, 1/2" Thread                      |
|                            |                               |                   |                                               |                                               |                                               |
| Weight                     | Net                           | kg                | -                                             | -                                             | -                                             |
|                            | Gross                         | kg                | 47                                            | 61                                            | 65                                            |
| Max. Water Temperature     | °C                            | 70                | 70                                            | 70                                            | 70                                            |
| Pre-plumbed parts          | Water Pump                    | -                 | -                                             | -                                             | -                                             |
|                            | 2way valve                    | -                 | -                                             | -                                             | -                                             |
|                            | Temp. & Pressure Relief Valve | -                 | -                                             | -                                             | -                                             |
|                            | Pressure Reducing Valve       | bar               | -                                             | -                                             | -                                             |
|                            | Relief Pressure               | bar               | -                                             | -                                             | -                                             |
|                            | Strainer                      | mesh              | -                                             | -                                             | -                                             |
| Packaged part              | Flow Switch                   | -                 | -                                             | -                                             | -                                             |
| Room thermostat & receiver | Wireless Room Thermostat      | -                 | -                                             | -                                             | -                                             |
|                            | RF Receiver for Thermostat    | -                 | -                                             | -                                             | -                                             |
| Timer controller           | -                             | -                 | -                                             | -                                             | -                                             |
| Other                      | Packaging                     | -                 | Eco Foam-PUF                                  | Eco Foam-PUF                                  | Eco Foam-PUF                                  |
|                            | Adjustable Legs               | pcs               | 3                                             | 3                                             | 3                                             |

# EHS Specification - TDM (A2W & A2A)



## Vivace

- Shadow Mirror
- Hidden Display
- Trim-less Design



| Model              |                       |                  |         | NH022VHXEA      | NH028VHXEA        | NH036VHXEA        | NH056VHXEA        | NH071VHXEA        |
|--------------------|-----------------------|------------------|---------|-----------------|-------------------|-------------------|-------------------|-------------------|
| Power Supply       |                       |                  |         | Φ, #, V, Hz     | 1, 2, 220-240, 50 | 1, 2, 220-240, 50 | 1, 2, 220-240, 50 | 1, 2, 220-240, 50 |
| Performance        | Nominal Capacity      | Cooling *1)      | W       | 2,200           | 2,800             | 3,600             | 5,600             | 6,800             |
|                    |                       |                  | Btu/h   | 7,500           | 9,600             | 12,300            | 19,100            | 23,200            |
|                    |                       | Heating *2)      | W       | 2,500           | 3,200             | 4,000             | 6,300             | 7,000             |
|                    |                       |                  | Btu/h   | 8,500           | 10,900            | 13,600            | 21,500            | 23,900            |
|                    | Nominal Power Input   |                  | W       | 30              | 30                | 35                | 50                | 50                |
|                    | Nominal Current Input |                  | A       | 0.13            | 0.18              | 0.19              | 0.30              | 0.30              |
| Sound *3)          | Sound Pressure        | High / Low       | dB(A)   | 31 / 21         | 31 / 21           | 35 / 21           | 40 / 30           | 41 / 30           |
| Fan                | Type                  |                  | -       | Cross Flow Fan  | Cross Flow Fan    | Cross Flow Fan    | Cross Flow Fan    | Cross Flow Fan    |
| Airflow Rate       | Cooling               | High             | CMM     | 7.0             | 7.0               | 8.2               | 13.3              | 13.3              |
|                    | Heating               | High             | CMM     | 7.3             | 7.3               | 8.8               | 14.0              | 14.0              |
|                    | ESP                   | Std. (Min.-Max.) | mmAq    | -               | -                 | -                 | -                 | -                 |
| Refrigerant Side   | Type                  |                  | -       | R410A           | R410A             | R410A             | R410A             | R410A             |
|                    | Control Method        |                  | -       | EEV             | EEV               | EEV               | EEV               | EEV               |
|                    | Piping Connections    | Liquid           | Φ, mm   | 6.35            | 6.35              | 6.35              | 6.35              | 9.52              |
|                    |                       |                  | Φ, inch | 1/4             | 1/4               | 1/4               | 1/4               | 3/8               |
|                    |                       | Gas              | Φ, mm   | 12.70           | 12.70             | 12.70             | 12.70             | 15.88             |
|                    |                       |                  | Φ, inch | 1/2             | 1/2               | 1/2               | 1/2               | 5/8               |
|                    |                       | Drain            | Φ, mm   | ID 18 hose      | ID 18 hose        | ID 18 hose        | ID 18 hose        | ID 18 hose        |
| External Dimension | Weight                | Net              | kg      | 8.5             | 8.5               | 8.5               | 12.0              | 15.0              |
|                    |                       | Gross            | kg      | 11.5            | 11.5              | 11.5              | 15.0              | 15.0              |
|                    | Dimensions (WxHxD)    | Net              | mm      | 825 x 285 x 189 | 825 x 285 x 189   | 825 x 285 x 189   | 1,065 x 298 x 218 | 1,065 x 298 x 218 |
|                    |                       | Gross            | mm      | 900 x 349 x 252 | 900 x 349 x 252   | 900 x 349 x 252   | 1,137 x 377 x 299 | 1,137 x 377 x 299 |

\*1) Nominal cooling capacities are based on;  
- Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
\*2) Nominal heating capacities are based on;  
- Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
\*3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

### Optional Accessories



### Standard Accessories



EHS Specification - TDM (A2W & A2A)



Neo Forte

- Clean-cut Front Panel
- Silver Accent Line
- Bottom Opening Front Panel



Slim Duct

- Flexible Installation
- Easier Drain Pump Installation
- Slim Design
- Easy to Maintain



| Model              |                       |                  |            | NH022NHXEA      | NH028NHXEA        | NH036NHXEA        | NH056NHXEA        | NH071NHXEA        |                |
|--------------------|-----------------------|------------------|------------|-----------------|-------------------|-------------------|-------------------|-------------------|----------------|
| Power Supply       |                       |                  |            | Φ, #, V, Hz     | 1, 2, 220-240, 50 | 1, 2, 220-240, 50 | 1, 2, 220-240, 50 | 1, 2, 220-240, 50 |                |
| Performance        | Nominal Capacity      | Cooling *1)      | W          | 2,200           | 2,800             | 3,600             | 5,600             | 6,800             |                |
|                    |                       |                  | Btu/h      | 7,500           | 9,600             | 12,300            | 19,100            | 23,200            |                |
|                    | Heating *2)           | W                | 2,500      | 3,200           | 4,000             | 6,300             | 7,000             |                   |                |
|                    |                       | Btu/h            | 8,500      | 10,900          | 13,600            | 21,500            | 23,900            |                   |                |
|                    | Nominal Power Input   |                  | W          | 25              | 25                | 30                | 45                | 50                |                |
|                    | Nominal Current Input |                  | A          | 0.18            | 0.18              | 0.18              | 0.27              | 0.30              |                |
| Sound *3)          |                       | Sound Pressure   | High / Low | dB(A)           | 32 / 23           | 32 / 23           | 36 / 23           | 40 / 30           | 41 / 30        |
| Fan                | Type                  |                  |            | -               | Cross Flow Fan    | Cross Flow Fan    | Cross Flow Fan    | Cross Flow Fan    | Cross Flow Fan |
| Airflow Rate       | Cooling               | High             | CMM        | 7.8             | 7.8               | 9.3               | 12.0              | 14.0              |                |
|                    | Heating               | High             | CMM        | 8.2             | 8.2               | 9.5               | 13.0              | 15.0              |                |
|                    | ESP                   | Std. (Min.~Max.) | mmAq       | -               | -                 | -                 | -                 | -                 |                |
| Refrigerant Side   | Type                  |                  |            | -               | R410A             | R410A             | R410A             | R410A             |                |
|                    | Control Method        |                  |            | -               | EEV               | EEV               | EEV               | EEV               |                |
|                    | Piping Connections    | Liquid           | Φ, mm      | 6.35            | 6.35              | 6.35              | 6.35              | 9.52              |                |
|                    |                       |                  | Φ, inch    | 1/4             | 1/4               | 1/4               | 1/4               | 3/8               |                |
|                    |                       | Gas              | Φ, mm      | 12.70           | 12.70             | 12.70             | 12.70             | 15.88             |                |
|                    |                       |                  | Φ, inch    | 1/2             | 1/2               | 1/2               | 1/2               | 5/8               |                |
|                    |                       | Drain            | Φ, mm      | ID 18 hose      | ID 18 hose        | ID 18 hose        | ID 18 hose        | ID 18 hose        |                |
| External Dimension | Weight                | Net              | kg         | 7.8             | 7.8               | 7.8               | 13.0              | 13.0              |                |
|                    |                       | Gross            | kg         | 9.4             | 9.4               | 9.4               | 16.0              | 16.0              |                |
|                    | Dimensions (WxHxD)    | Net              | mm         | 825 x 285 x 189 | 825 x 285 x 189   | 825 x 285 x 189   | 1,065 x 298 x 218 | 1,065 x 298 x 218 |                |
|                    |                       | Gross            | mm         | 900 x 349 x 252 | 900 x 349 x 252   | 900 x 349 x 252   | 1,137 x 377 x 299 | 1,137 x 377 x 299 |                |

\*1) Nominal cooling capacities are based on;  
- Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
\*2) Nominal heating capacities are based on;  
- Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
\*3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

| Model              |                       |                  |            | NH022LHXEA        | NH028LHXEA        | NH036LHXEA        | NH045LHXEA        | NH056LHXEA        |         |
|--------------------|-----------------------|------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|
| Power Supply       |                       |                  |            | Φ, #, V, Hz       | 1, 220-240, 50    | 1, 220-240, 50    | 1, 220-240, 50    | 1, 220-240, 50    |         |
| Performance        | Nominal Capacity      | Cooling *1)      | W          | 2,200             | 2,800             | 3,600             | 4,500             | 5,600             |         |
|                    |                       |                  | Btu/h      | 7,500             | 9,600             | 12,300            | 15,400            | 19,100            |         |
|                    |                       | Heating *2)      | W          | 2,500             | 3,200             | 4,000             | 5,000             | 6,300             |         |
|                    |                       |                  | Btu/h      | 8,500             | 10,900            | 13,600            | 17,100            | 21,500            |         |
|                    | Nominal Power Input   |                  | W          | 80                | 80                | 80                | 90                | 100               |         |
|                    | Nominal Current Input |                  | A          | 0.40              | 0.40              | 0.40              | 0.60              | 0.60              |         |
| Sound *3)          |                       | Sound Pressure   | High / Low | dB(A)             | 31 / 26           | 32 / 27           | 32 / 27           | 33 / 30           | 33 / 30 |
| Fan                | Type                  |                  | -          | Sirocco Fan       | Sirocco Fan       | Sirocco Fan       | Sirocco Fan       | Sirocco Fan       |         |
| Airflow Rate       | Cooling               | High             | CMM        | 8.0               | 9.0               | 10.0              | 14.0              | 15.0              |         |
|                    | Heating               | High             | CMM        | 9.0               | 10.0              | 12.0              | 16.5              | 18.0              |         |
|                    | ESP                   | Std. (Min.~Max.) | mmAq       | 2 (0~4)           | 2 (0~4)           | 2 (0~4)           | 2 (0~4)           | 2 (0~4)           |         |
|                    | Type                  |                  |            | -                 | R410A             | R410A             | R410A             | R410A             | R410A   |
| Refrigerant Side   | Control Method        |                  | -          | EEV               | EEV               | EEV               | EEV               | EEV               |         |
|                    | Piping Connections    | Liquid           | Φ, mm      | 6.35              | 6.35              | 6.35              | 6.35              | 9.52              |         |
|                    |                       |                  | Φ, inch    | 1/4               | 1/4               | 1/4               | 1/4               | 3/8               |         |
|                    |                       | Gas              | Φ, mm      | 12.70             | 12.70             | 12.70             | 12.70             | 15.88             |         |
|                    |                       |                  | Φ, inch    | 1/2               | 1/2               | 1/2               | 1/2               | 5/8               |         |
|                    |                       | Drain            | Φ, mm      | VP25(OD32,ID25)   | VP25(OD32,ID25)   | VP25(OD32,ID25)   | VP25(OD32,ID25)   | VP25(OD32,ID25)   |         |
| External Dimension |                       | Weight           | Net        | kg                | 26.0              | 26.0              | 26.0              | 31.0              | 31.0    |
|                    | Gross                 |                  | kg         | 31.0              | 31.0              | 31.0              | 39.0              | 39.0              |         |
|                    | Dimensions (WxHxD)    | Net              | mm         | 900 x 199 x 600   | 900 x 199 x 600   | 900 x 199 x 600   | 1,100 x 199 x 600 | 1,100 x 199 x 600 |         |
|                    |                       | Gross            | mm         | 1,133 x 333 x 730 | 1,133 x 333 x 730 | 1,133 x 333 x 730 | 1,330 x 330 x 730 | 1,330 x 330 x 730 |         |

\*1) Nominal cooling capacities are based on;  
- Indoor Air 27°CDB/19°CWB, Outdoor Air 35°CDB/24°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
\*2) Nominal heating capacities are based on;  
- Indoor Air 20°CDB/15°CWB, Outdoor Air 7°CDB/6°CWB, Equivalent refrigerant piping 7.5m, Level differences 0m.  
\*3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.

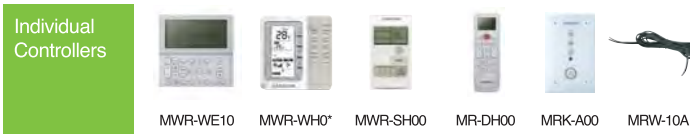
Optional Accessories



Standard Accessories



Optional Accessories



Standard Accessories



EHS Specification - Mono (A2W)



Outdoor Unit (Mono)

- Mono unit itself supplies hot water without Hydro unit or refrigerant work

| Model                  |                           |               |         | RC090MHXEA      | RC120MHXEA           | RC140MHXEA           | RC160MHXEA           | RC120MHXGA           | RC140MHXGA           | RC160MHXGA           |
|------------------------|---------------------------|---------------|---------|-----------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|
| Mode                   |                           |               |         | -               | Heat Pump (A2W Only) | Heat Pump (A2W Only) | Heat Pump (A2W Only) | Heat Pump (A2W Only) | Heat Pump (A2W Only) | Heat Pump (A2W Only) |
| Power Supply           |                           |               |         | Φ, #, V, Hz     | 1,220-240,50         | 1,220-240,50         | 1,220-240,50         | 3, 4, 380-415,50     | 3, 380-415,50        | 3, 380-415,50        |
| Performance (A2W #1)   | Nominal Capacity *1)      | Heating       | kW      | 9,000           | 12,000               | 14,000               | 16,000               | 12,000               | 14,000               | 16,000               |
|                        |                           |               | Btu/h   | 30,700          | 40,900               | 47,800               | 54,600               | 40,900               | 47,800               | 54,600               |
|                        |                           | Cooling       | kW      | 10,000          | 13,500               | 16,000               | 17,000               | 13,500               | 16,000               | 17,000               |
|                        |                           |               | Btu/h   | 34,100          | 46,100               | 54,600               | 58,000               | 46,100               | 54,600               | 58,000               |
|                        | Nominal Power Input *1)   | Heating       | W       | 2,090           | 2,610                | 3,220                | 3,810                | 2,610                | 3,220                | 3,810                |
|                        |                           | Cooling       | W       | 2,860           | 4,070                | 5,330                | 5,860                | 3,910                | 5,250                | 5,710                |
|                        | Nominal Current Input *1) | Heating       | A       | 939             | 11.7                 | 14.4                 | 17.1                 | 4.1                  | 5.1                  | 6.0                  |
|                        |                           | Cooling       | A       | 13.5            | 17.7                 | 23.2                 | 25.5                 | 6.1                  | 8.2                  | 9.0                  |
|                        | COP(Heating) *1)          |               | W       | 4.30            | 4.60                 | 4.35                 | 4.20                 | 4.60                 | 4.35                 | 4.20                 |
|                        | EER(Cooling) *1)          |               | W       | 3.50            | 3.32                 | 3.00                 | 2.90                 | 3.45                 | 3.05                 | 2.98                 |
| Electric Specification | ESEER *2)                 |               | A       | 5.60            | 6.45                 | 6.34                 | 5.98                 | 6.45                 | 6.34                 | 5.98                 |
|                        | MCA                       |               | A       | 22.0            | 28.0                 | 30.0                 | 32.0                 | 10.0                 | 11.0                 | 12.0                 |
|                        | MFA                       |               | A       | 27.5            | 35.0                 | 37.5                 | 40.0                 | 12.5                 | 13.8                 | 15.0                 |
| Water Side             | Required Water Pressure   |               | bar     | Max. 2.8        | Max. 2.8             | Max. 2.8             | Max. 2.8             | Max. 2.8             | Max. 2.8             | Max. 2.8             |
|                        | Required Flow Rate        |               | LPM     | Min. 16.0       | Min. 16.0            | Min. 16.0            | Min. 16.0            | Min. 16.0            | Min. 16.0            | Min. 16.0            |
|                        | Piping Connections        | In/Out        | Φ, inch | 1" (BSPP)       | 1" (BSPP)            | 1" (BSPP)            | 1" (BSPP)            | 1" (BSPP)            | 1" (BSPP)            | 1" (BSPP)            |
| Refrigerant Side       | Compressor                | Type          | -       | Rotary Inverter | Rotary Inverter      | Rotary Inverter      | Rotary Inverter      | Rotary Inverter      | Rotary Inverter      | Rotary Inverter      |
|                        | Oil                       | Type          | -       | POE             | POE                  | POE                  | POE                  | POE                  | POE                  | POE                  |
|                        | Refrigerant               | Type          | -       | R410A           | R410A                | R410A                | R410A                | R410A                | R410A                | R410A                |
| Base Heater            | Capacity                  | -             | W       | 150             | 150                  | 150                  | 150                  | 150                  | 150                  | 150                  |
| Sound                  | Sound Pressure *3)        | Heating       | dB(A)   | 50              | 50                   | 52                   | 53                   | 50                   | 52                   | 53                   |
|                        |                           | Cooling       | dB(A)   | 51              | 51                   | 53                   | 54                   | 51                   | 53                   | 54                   |
|                        | Sound Power               |               | dB(A)   | 66              | 66                   | 68                   | 70                   | 66                   | 68                   | 70                   |
| External Dimension     | Weight                    | Net           | kg      | 75              | 103                  | 103                  | 103                  | 103                  | 103                  | 103                  |
|                        |                           | Gross         | kg      | 83              | 113                  | 113                  | 113                  | 113                  | 113                  | 113                  |
|                        | Dimensions (WxHxD)        | Net           | mm      | 940x998x330     | 940x1,420x330        | 940x1,420x330        | 940x1,420x330        | 940x1,420x330        | 940x1,420x330        | 940x1,420x330        |
|                        |                           | Gross         | mm      | 995x1,096x426   | 995 x1,548x426       | 995 x1,548x426       | 995 x1,548x426       | 995 x1,548x426       | 995 x1,548x426       | 995 x1,548x426       |
| Operating Range        | Ambient (A2W)             | Heating       | °C      | -20~35          | -20~35               | -20~35               | -20~35               | -20~35               | -20~35               | -20~35               |
|                        |                           | Cooling       | °C      | 10~46           | 10~46                | 10~46                | 10~46                | 10~46                | 10~46                | 10~46                |
|                        |                           | DHW           | °C      | -20~43          | -20~43               | -20~43               | -20~43               | -20~43               | -20~43               | -20~43               |
|                        |                           | Leaving Water | °C      | 25~55           | 25~55                | 25~55                | 25~55                | 25~55                | 25~55                | 25~55                |
|                        | Leaving Water             | Heating       | °C      | 25~55           | 25~55                | 25~55                | 25~55                | 25~55                | 25~55                | 25~55                |
|                        |                           | Cooling       | °C      | 5~25            | 5~25                 | 5~25                 | 5~25                 | 5~25                 | 5~25                 | 5~25                 |

\*1)~2) A2W rating conditions in accordance with Eurovent Rating Standard for Liquid Chilling Packages 6/C/003-2008.  
\*1) A2W Condition #1 : (Heating) Water In/Out 30°C/35°C, Outdoor Air 7°CDB/6°CWB; (Cooling) Water In/Out 23°C/18°C, Outdoor Air 35°CDB.  
\*2) A2W Condition for ESEER(Cooling) at Water Out 18°C.  
\*3) Sound level was acquired in an anechoic room. Thus actual noise level may be different depending on the installation conditions.



# EHS Specification - Mono (A2W)



## Mono Cylinder Unit

- Pre-plumbed Cylinder unit provides a flexible, quick and easy installation



## Mono Control Kit

- Control Kit provides easy and flexible control solution

| Model                      |                               | Standard       |                               |
|----------------------------|-------------------------------|----------------|-------------------------------|
|                            |                               | NH200CHXEA     | NH300CHXEA                    |
| Pressure Vessel            | Material Quality              | -              | AISI 444 / DIN 1.4521         |
|                            | Volume Capacity               | Liter          | 192                           |
| Power Supply               | Capacity                      | kW             | 3.0                           |
|                            | Φ, #, V, Hz                   | 1,220-240,50   | 1,220-240,50                  |
| Electric Element           | Material                      | -              | Incoloy 825                   |
|                            | Thermostat #1 ( Auto )        | °C             | 40-70 (60 preset)             |
|                            | Thermostat #2 ( Manual )      | °C             | 91                            |
|                            | Thermostat #2 ( Manual )      | °C             | 91                            |
| Heating Coil               | Material Quality              | -              | Duplex LDX 2101               |
|                            | Heating Area                  | m <sup>2</sup> | 0.8                           |
| Heating Coil for Solar     | Material Quality              | -              | N/A                           |
|                            | Heating Area                  | m <sup>2</sup> | N/A                           |
| Insulation                 | Material Quality              | -              | PUR                           |
|                            | Thickness                     | mm             | 40                            |
| Insulation Jacket          | Material Quality              | -              | Epoxy-coated mild steel-white |
| Dimensions Overall         | WxHxD                         | mm             | 692x1,200x702                 |
|                            | Cold Water Inlet (pipe)       | Φ, mm          | 22                            |
| Connections                | Hot Water Outlet              | Φ, inch        | 3/4" (BSPP)                   |
|                            | Flow & Return (pipe)          | Φ, mm          | 28                            |
|                            | Sensor Poket(s)               | mm             | Ø8.05mm Inside, 1/2" Thread   |
| Weight                     | Net                           | kg             | 67                            |
|                            | Gross                         | kg             | -                             |
| Max. Water Temperature     |                               | °C             | 70                            |
| Pre-plumbed parts          | Water Pump                    | -              | Wilo RS 25/7                  |
|                            | 2way valve                    | -              | Honeywell V4043               |
|                            | Temp. & Pressure Relief Valve | -              | 90°C & 10.0bar                |
|                            | Pressure Reducing Valve       | bar            | 3.0                           |
|                            | Relief Pressure               | bar            | 2.1                           |
| Packaged part              | Strainer                      | mesh           | 25                            |
|                            | Flow Switch                   | -              | Sika VH9342                   |
| Room thermostat & receiver | Wireless Room Thermostat      | -              | Danfoss TP5000 Si RF          |
|                            | RF Receiver for Thermostat    | -              | Danfoss RX1                   |
| Timer controller           |                               | -              | Danfoss FP715 Si              |
| Other                      | Packaging                     | -              | Eco Foam-PUF                  |
|                            | Adjustable Legs               | pcs            | 3                             |

| Model              |                         | MIM-E03A    |                           |
|--------------------|-------------------------|-------------|---------------------------|
| Use with           |                         | -           | EHS Mono Type             |
| Power Supply       |                         | Φ, #, V, Hz | 1, 2, 220-240, 50         |
| External Dimension | Weight                  | Net         | kg                        |
|                    |                         | Gross       | kg                        |
|                    | Dimensions (WxHxD)      | Net         | mm                        |
|                    |                         | Gross       | mm                        |
| External Control   | Booster Heater          | -           | AC 230V (Max 20A)         |
|                    | Back up Heater / Boiler | -           | AC 230V (Max 0.5A)        |
|                    | Water Pump              | -           | AC 230V (Max 2A)          |
|                    | 2way or 3way Valve      | -           | AC 230V (Max 0.5A / 120W) |
|                    | Room Thermostat         | -           | AC 230V (Max 10mA)        |
|                    | Solar Pump              | -           | AC 230V (Max 10mA)        |

# Control System for DVM S

| CLASSIFICATION               |                             | PRODUCT          | MODEL                             | IMAGE                                                                             | APPLICATION MODEL                                                                  |
|------------------------------|-----------------------------|------------------|-----------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Integrated Management System | Controller                  | DMS 2            | MIM-D00AN                         |  | DVM S                                                                              |
|                              |                             | S-NET 3          | MST-P3P                           |  | DVM S                                                                              |
|                              | Interface Module            | PIM              | MIM-B16N                          |  | DVM S                                                                              |
| System Controller            | Centralized Control System  | Controller       | Touch controller                  | MCM-A300N                                                                         | DVM S                                                                              |
|                              |                             |                  | Centralized Controller            | MCM-A202DN                                                                        | DVM S                                                                              |
|                              |                             |                  | Multi Tenant Function Controller  | MCM-C210                                                                          | DVM S                                                                              |
|                              |                             |                  | Operation Mode Selection Switch   | MCM-C200                                                                          | DVM Series (Except HR Models)                                                      |
|                              | Individual Control System   | Controller       | Wired Remote Controller           | MWR-WE10N                                                                         | DVM S                                                                              |
|                              |                             |                  | Wireless Remote Controller        | MR-DH00 / MR-DC00                                                                 | DVM Series (MR-DH00 : H/P, MR-DC00 : C/O)                                          |
|                              |                             |                  | ERV CO <sub>2</sub> Sensor        | MOS-C1                                                                            | ERV, ERV PLUS                                                                      |
|                              |                             |                  | Wireless Signal Receiver          | MRK-A10N                                                                          | DVM S Duct (For Wireless Remote Controller with wire)                              |
|                              |                             |                  | External Room Sensor              | MRW-TA                                                                            | Cassette, Wall-mounted, Ceiling, Duct, Console                                     |
|                              |                             | Interface Module | RAC Extension Board               | MIM-A00                                                                           | FJM (For Connecting Wired Remote Controller and External Contact Interface Module) |
| Building Management System   | Building Management Module  |                  | LonWorks Gateway                  | MIM-B18N                                                                          | DVM S                                                                              |
|                              |                             |                  | BACnet Gateway                    | MIM-B17N                                                                          | DVM S                                                                              |
|                              | Guestroom Management Module |                  | External Contact Interface Module | MIM-B14                                                                           | DVM Series, FJM, CAC                                                               |
| Converter                    |                             | Converter Unit   |                                   | MIM-N00                                                                           | DVM S                                                                              |
|                              |                             |                  |                                   | MIM-C02N                                                                          | DVM S                                                                              |

\*DVM Series : DVM S,DVM Mini, DVM PLUS IV, DVM PLUS IV HR

# Accessories for DVM S

| Classification                                        | Image                                                                                 | Model        | Description                                      | Relevant Unit | Remark    |
|-------------------------------------------------------|---------------------------------------------------------------------------------------|--------------|--------------------------------------------------|---------------|-----------|
| Y- joint                                              |    | MXJ-YA1509M  | 15kW and below                                   | DVM S         | Requisite |
|                                                       |                                                                                       | MXJ-YA2512M  | Over 15.0 ~ 40.6kW and below                     |               |           |
|                                                       |                                                                                       | MXJ-YA2812M  | Over 40.6 ~ 46.4 kW and below                    |               |           |
|                                                       |                                                                                       | MXJ-YA2815M  | Over 46.4 ~ 69.6 kW and below                    |               |           |
|                                                       |                                                                                       | MXJ-YA3419M  | Over 69.6 ~ 98.6 kW and below                    |               |           |
|                                                       |                                                                                       | MXJ-YA4119M  | Over 98.6 ~ 139.2 kW and below                   |               |           |
| Y-joint (High Pressure Gas) for DVM S HR module       |    | MXJ-YA1500M  | 23.2 kW and below                                | DVM S         | Requisite |
|                                                       |                                                                                       | MXJ-YA2500M  | Over 23.2 ~ 69.6 kW and below                    |               |           |
|                                                       |                                                                                       | MXJ-YA3100M  | Over 69.6 ~ 139.2 kW and below                   |               |           |
|                                                       |                                                                                       | MXJ-YA3800M  | Over 139.2 kW                                    |               |           |
| Outdoor Joint (Outdoor Connection)                    |    | MXJ-TA3819M  | Below 48 HP                                      | DVM S         | Requisite |
|                                                       |                                                                                       | MXJ-TA4422M  | Over 50 HP                                       |               |           |
| Outdoor Joint (High Pressure Gas) for DVM S HR Module |  | MXJ-TA3100M  | Below 48 HP                                      | DVM S         |           |
|                                                       |                                                                                       | MXJ-TA3800M  | Over 50 HP                                       |               |           |
| Header Joint                                          |  | MXJ-HA3819M  | Over 69.7 kW                                     | DVM S         | Option    |
|                                                       |                                                                                       | MXJ-HA3115M  | Below 69.6 kW                                    |               |           |
|                                                       |                                                                                       | MXJ-HA2512M  | Below 46.4 kW                                    |               |           |
| MCU Kits                                              |  | MCU-S4NEE1N  | Below 4 indoor units                             | DVM S         |           |
|                                                       |                                                                                       | MCU-S4NEE2N  | Below 4 indoor units                             |               |           |
|                                                       |                                                                                       | MCU-S6NEE1N  | Below 6 indoor units                             |               |           |
| EEV Kits                                              |  | MXD-E24K132A | Below 3.6 kW (1 Room) + 5.6 kW ~9.0 kW (1Room)   | DVM S         | Option    |
|                                                       |                                                                                       | MXD-E24K200A | Below 3.6 kW (2 Rooms)                           |               |           |
|                                                       |                                                                                       | MXD-E32K200A | 5.6 kW~9.0 kW (2Rooms)                           |               |           |
|                                                       |  | MXD-E24K232A | Below 3.6 kW (2 Rooms) + 5.6 kW ~ 9.0 kW (1Room) | DVM S         | Option    |
|                                                       |                                                                                       | MXD-E24K300A | Below 3.6 kW (3 Rooms)                           |               |           |
|                                                       |                                                                                       | MXD-E32K224A | Below 3.6 kW (1 Room) + 5.6 kW ~ 9.0 kW (2Rooms) |               |           |
|                                                       |  | MXD-E32K300A | 5.6 kW ~ 9.0 kW (3Rooms)                         | DVM S         | Option    |
|                                                       |                                                                                       | MEV-E24SA    | Below 3.6 kW (1 Room)                            |               |           |
|                                                       |                                                                                       | MEV-E32SA    | 5.6 kW ~ 9.0 kW (1Room)                          |               |           |

Accessories for DVM S

Memo

| Classification                    | Image                                                                               | Model         | Description                                                            | Relevant Unit | Remark    |
|-----------------------------------|-------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------|---------------|-----------|
| Drain Pump                        |    | MDP-E075SEE3D | Slim Duct (2.0 ~ 14.0 kW)                                              | DVM S         | Option    |
|                                   |                                                                                     | MDP-M075SGU1D | M.S.P Duct (9.0/11.2 kW)                                               |               |           |
|                                   |                                                                                     | MDP-M075SGU2D | M.S.P Duct (12.8/14.0 kW)<br>/ H.S.P Duct (11.2~14.0 kW)               |               |           |
|                                   |                                                                                     | MDP-M075SGU3D | M.S.P Duct (5.6/7.1 kW)                                                |               |           |
|                                   |                                                                                     | MDP-N047SNC1D | H.S.P Duct (22.4 / 28.0 kW),<br>Fresh Air Intake Duct (22.4 / 28.0 kW) |               |           |
| PDM Kits<br>(High Elevation Kits) |                                                                                     | MXD-A38K2A    | DVM Series (8~12 HP)                                                   | DVM S         | Option    |
|                                   |                                                                                     | MXD-A12K2A    | DVM Series (14~16 HP)                                                  |               |           |
|                                   |                                                                                     | MXD-A58K2A    | DVM Series (18~22 HP)                                                  |               |           |
| AHU Kits                          |    | MXD-K025AN    | 7.0 ~ 8.75 kW AHU                                                      | DVM S         | Option    |
|                                   |                                                                                     | MXD-K050AN    | 14.0 ~ 17.5 kW AHU                                                     |               |           |
|                                   |                                                                                     | MXD-K075AN    | 21.0 ~ 26.25 kW AHU                                                    |               |           |
|                                   |                                                                                     | MXD-K100AN    | 28.0 ~ 35.0 kW AHU                                                     |               |           |
| Humidifier                        |   | MVO-VA050100  | ERV Plus (500 CMM)                                                     | DVM S         | Option    |
|                                   |                                                                                     | MVO-VA100100  | ERV Plus (1,000 CMM)                                                   |               |           |
| Front Panel                       |  | PC4NUSKAN     | 4Way Cassette S - Waffle                                               | DVM S         | Requisite |
|                                   |  | PC4NUSKEN     | 4Way Cassette S - Classic                                              |               |           |
|                                   |  | PC4NBSKAN     | 4Way Cassette S - Black                                                |               |           |
|                                   |  | PC4SUSMAN     | Mini 4Way Cassette S                                                   |               |           |
|                                   |  | PC4SUSMEN     | Mini 4Way Cassette S                                                   |               |           |
|                                   |  | PC1NUSMAN     | Slim 1Way Cassette                                                     |               |           |
|                                   |  | PC1NUPMA      | Slim 1Way Cassette                                                     |               |           |
|                                   |  | PC2NUSMEN     | 2Way Cassette                                                          |               |           |
| S-Plasma ion                      |  | MSD-CAN1      | 4Way Cassette S                                                        | DVM S         | Option    |
|                                   |                                                                                     | MSD-EAN1      | ERV, ERV Plus                                                          |               |           |
| Motion Detect Sensor              |  | MCR-SMA       | Mini 4Way Cassette S                                                   | DVM S         | Option    |

2013 SAMSUNG SYSTEM AIR CONDITIONER

ERV

Specification



ERV

- Damper
  - Dust Filter
  - Control Box
  - CO<sub>2</sub> Sensor (Optional)
  - Energy Saving Operation (Auto Mode)
  - Flexible Installation
  - Silent Operation
- Supply/Exhaust Fan
  - Heat Exchanger Element
  - Temperature Sensor
  - BLDC Fan Motor
  - New Diamond Type Element
  - Slim Design
  - Virus Doctor (Optional)

| Model                                  |         |       | RHF025EE                   | RHF035EE                   | RHF050EE                   | RHF080EE                   | RHF100EE                   |
|----------------------------------------|---------|-------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Voltage                                |         | V     | 220~240                    | 220~240                    | 220~240                    | 220~240                    | 220~240                    |
| Frequency                              |         | Hz    | 50                         | 50                         | 50                         | 50                         | 50                         |
| Air Volume                             |         | m3/hr | 250                        | 350                        | 500                        | 800                        | 1000                       |
| External Static Presssure              |         | Pa    | 110                        | 155                        | 165                        | 155                        | 155                        |
| Power Input                            |         | W     | 115                        | 115                        | 175                        | 330                        | 450                        |
| Current                                |         | A     | 0.7                        | 0.7                        | 1.1                        | 2.1                        | 2.9                        |
| Temperature Exchange Efficiency        | Cooling | %     | 70                         | 70                         | 70                         | 70                         | 70                         |
|                                        | Heating | %     | 70                         | 70                         | 70                         | 70                         | 70                         |
| Effective Enthalpy Exchange Efficiency | Cooling | %     | 50                         | 50                         | 50                         | 50                         | 50                         |
|                                        | Heating | %     | 70                         | 70                         | 70                         | 70                         | 70                         |
| Dust Collection Method                 |         | -     | High Efficiency Filter(PP) | High Efficiency Filter(PP) | High Efficiency Filter(PP) | High Efficiency Filter(PP) | High Efficiency Filter(PP) |
| Net Dimensions (WxHxD)                 |         | mm    | 660 X 350 X 600            | 1012 X 270 X 1000          | 1012 X 270 X 1000          | 1220 X 340 X 1135          | 1220 X 340 X 1135          |
| Gross Dimensions (WxHxD)               |         | mm    | 807 X 400 X 760            | 1308 X 355 X 1192          | 1308 X 355 X 1192          | 1475 X 440 X 1330          | 1475 X 440 X 1330          |
| Weight (Net/Gross)                     |         | kg    | 28.5 / 32.5                | 42.5 / 53.5                | 42.5 / 53.5                | 67 / 75.5                  | 67 / 75.5                  |
| Duct Diameter                          |         | Ø, mm | 150                        | 200                        | 200                        | 250                        | 250                        |
| Virus Doctor                           |         | -     | MSD-EAN1                   | MSD-EAN1                   | MSD-EAN1                   | MSD-EAN1                   | MSD-EAN1                   |
| CO2 Sensor                             |         | -     | MOS-C1                     | MOS-C1                     | MOS-C1                     | MOS-C1                     | MOS-C1                     |

Optional Accessories

Individual Controllers

