

# MRV5-H

DC INVERTER

033 Features & Benefits

037 MRV 5-H Outdoor



MRV5-H  
DC INVERTER

Haier



# MRV5-H

- High Efficiency
- Super Comfort
- Super Convenience

## SUPER EFFICIENCY

### Speed-less DC fan motor

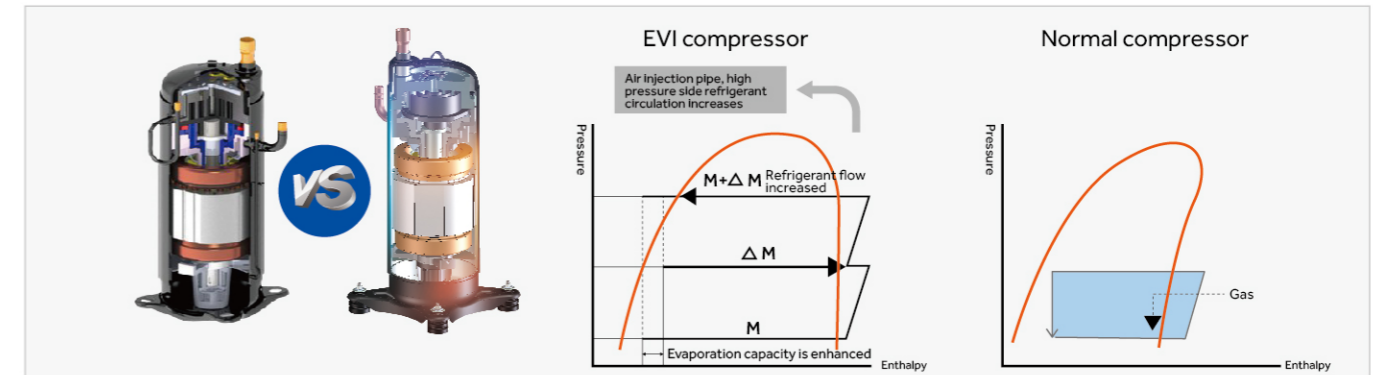
Standard with speed-less DC fan motor, compared with normal type, the motor efficiency is increased by 17%.



## SUPER EFFICIENCY

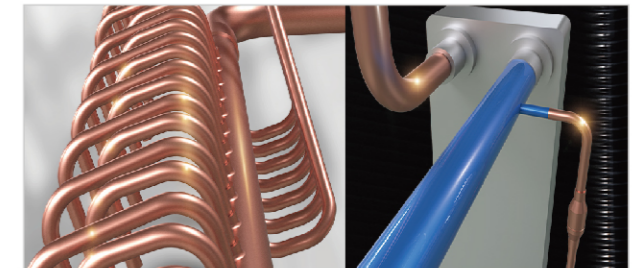
### EVI compressor

Standard with EVI compressor, increase the refrigerant circulation by 15%, strong output.



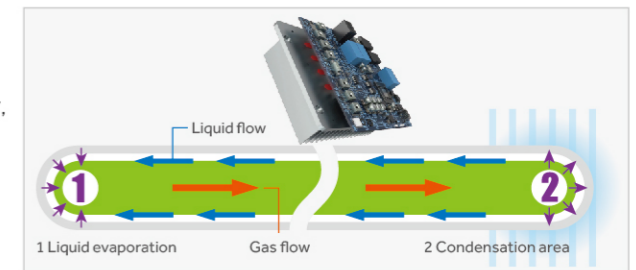
### 2 stage Sub-cooling

Sub-cooling degree is up to 30°C, improve the cooling and heating capacity.



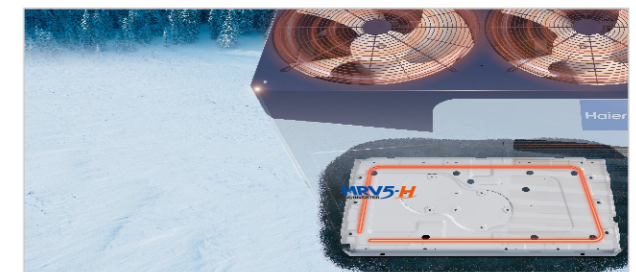
### Superconducting refrigerant cooling Technology

Adopt innovative super heat conduction cooling PCB technology, heat transfer media conduct heat 100 times better than copper. Does not occupy the refrigerant amount of the system, no additional refrigerant loss. At the same time, this cooling mode will not affect the rotation of the electric control box, easy maintain.



### Base pan heater (optional)

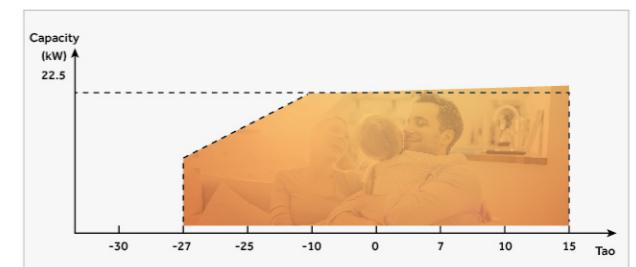
In cold areas, in order to ensure the effect of frost, you can choose electric heating chassis, frost more thoroughly, stable operation.



## SUPER COMFORT

### Reliable performance in low temperature

In the low temperature, compared with the standard series, the heating capacity increased by 10%. The heating capacity is 100% under -10°C.



# ★ SUPER COMFORT

## Continuous heating technology

Intelligent defrosting technology, realizing continuous heating.



## Precise temperature control at ±0.5°C

With twin pressure sensors and twin EEVS, the refrigerant volume can be adjusted automatically to realize precise temperature control, improving indoor comfort.



## Wide operation tem.

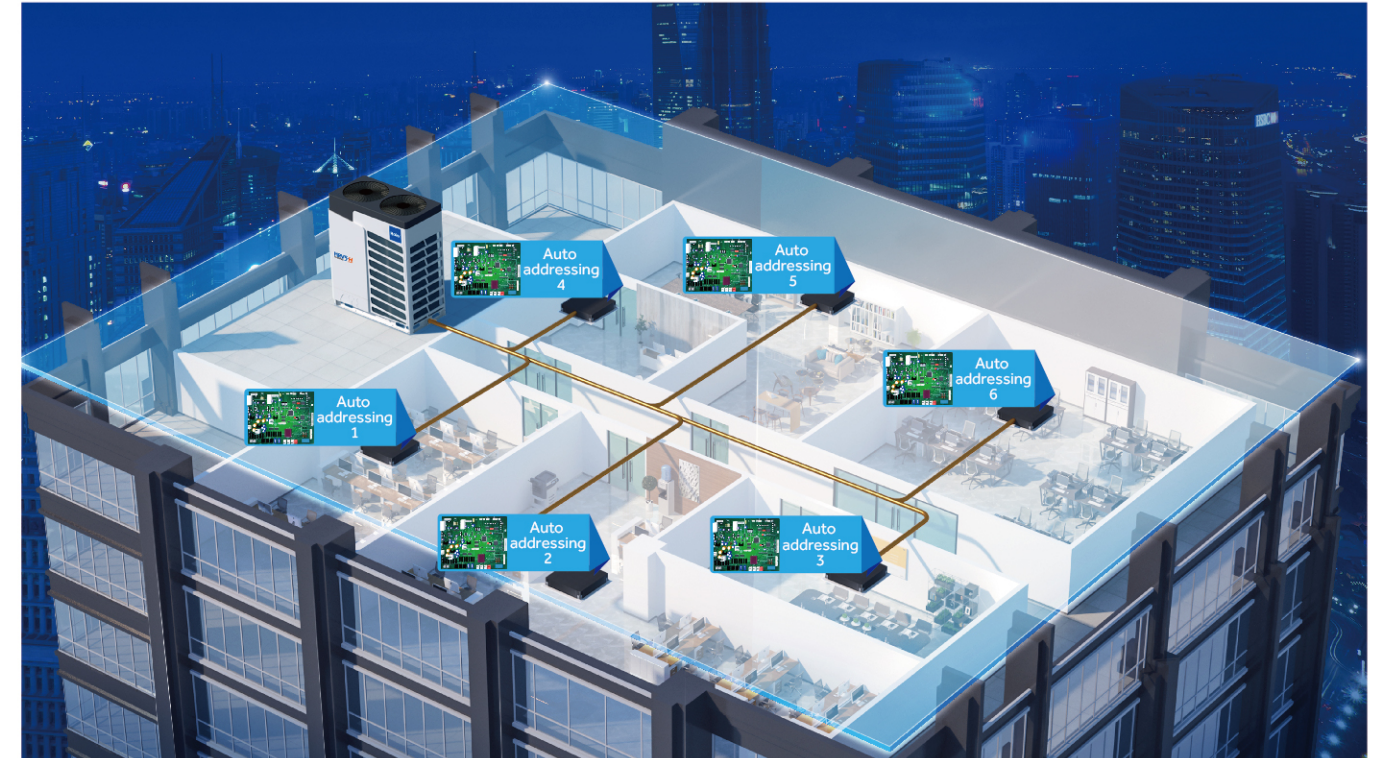
Cooling : -5°C~52°C  
Heating : -27°C~21°C



# 🚀 SUPER CONVENIENCE

## Auto addressing indoor units

The ODU can automatically address to the indoor unit through the module on PCB, and the controller can search and set the address of the indoor unit, more convenient.



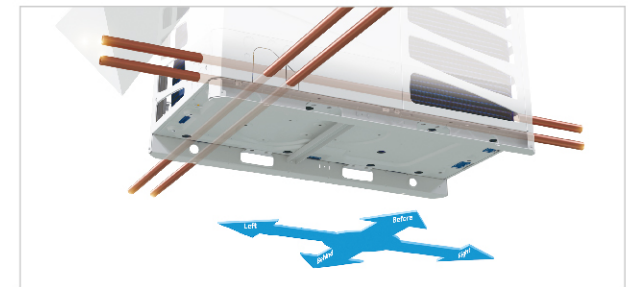
## Rotary electric control box design

Rotary electric control box design, while maintaining the internal space, maintainer only need to rotate the box, do not need to dismantle the box, easy and fast maintenance.



## 4-way pipe connection

You can freely choose the front, back, left side, right side of the unit to connect the pipe, easy to install and design.



## Long pipe length, high height drop

Total pipe length 1000m;  
Drop length 110m.



# MRV5-H

DC INVERTER



3/380~415/50/60



AV08NMVETA  
AV10NMVETA  
AV12NMVETA  
AV14NMVETA  
AV16NMVETA



AV18NMVETA  
AV20NMVETA  
AV22NMVETA  
AV24NMVETA  
AV26NMVETA



Total pipe length 1000m,  
height drop 110m



EVI compressors



Single module 26HP,  
maximum combination 104HP



Intelligent defrosting  
technology



| Model   |                                | AV08NMVETA        | AV10NMVETA      | AV12NMVETA      | AV14NMVETA      | AV16NMVETA      | AV18NMVETA      | AV20NMVETA      | AV22NMVETA      | AV24NMVETA      | AV26NMVETA      |                 |       |
|---|--------------------------------|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------|
| Combination model                                 |                                | /                 | /               | /               | /               | /               | /               | /               | /               | /               | /               |                 |       |
|   |                                | /                 | /               | /               | /               | /               | /               | /               | /               | /               | /               |                 |       |
|   |                                | /                 | /               | /               | /               | /               | /               | /               | /               | /               | /               |                 |       |
|   |                                | /                 | /               | /               | /               | /               | /               | /               | /               | /               | /               |                 |       |
| Capacity  | Capacity range                 | HP                | 8               | 10              | 12              | 14              | 16              | 18              | 20              | 22              | 24              | 26              |       |
|   | Cooling                        | kW                | 25.2            | 28.0            | 33.5            | 40.0            | 45.0            | 50.4            | 56.0            | 61.5            | 68.0            | 73.5            |       |
|   | Heating                        | kW                | 25.2            | 28.0            | 33.5            | 40.0            | 45.0            | 50.4            | 56.0            | 61.5            | 68.0            | 73.5            |       |
| Electrical parameters                             | Power supply                   | Ph/V/Hz           | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 |       |
|   | Cooling                        | Rated power input | kW              | 6.24            | 7.37            | 9.31            | 11.94           | 13.24           | 15.70           | 16.62           | 18.30           | 21.94           | 24.75 |
|   |                                | Rated current     | A               | 10.53           | 12.44           | 15.71           | 20.16           | 22.34           | 26.51           | 28.05           | 30.90           | 31.42           | 35.87 |
|   |                                | Max power input   | kW              | 14.30           | 15.10           | 16.32           | 17.58           | 20.69           | 25.90           | 28.91           | 31.82           | 32.81           | 35.35 |
|   |                                | Max current       | A               | 23.81           | 25.14           | 27.17           | 29.27           | 34.50           | 40.30           | 46.30           | 51.91           | 54.12           | 58.86 |
|   |                                | SEER              |                 | 7.25            | 7.09            | 6.69            | 6.60            | 6.36            | 6.78            | 6.75            | 6.54            | 5.97            | 5.68  |
|   |                                | ηs.c              | %               | 287             | 281             | 265             | 261             | 251             | 268             | 267             | 259             | 236             | 224   |
|   | Heating                        | Rated power input | kW              | 5.56            | 6.32            | 7.71            | 9.71            | 10.92           | 12.81           | 14.23           | 16.14           | 18.86           | 21.62 |
|   |                                | Rated current     | A               | 9.67            | 10.99           | 13.40           | 16.88           | 18.99           | 22.27           | 24.75           | 28.06           | 32.80           | 37.60 |
|   |                                | Max power input   | kW              | 11.69           | 12.19           | 12.69           | 16.10           | 19.56           | 21.93           | 24.70           | 25.69           | 30.40           | 32.45 |
|   |                                | Max current       | A               | 19.47           | 20.30           | 21.13           | 26.81           | 32.57           | 36.51           | 41.13           | 42.78           | 50.62           | 54.03 |
|   |                                | SCOP              |                 | 4.61            | 4.51            | 4.51            | 4.31            | 4.10            | 4.31            | 4.38            | 4.39            | 4.34            | 3.88  |
|   |                                | ηs.h              | %               | 182             | 177             | 177             | 169             | 161             | 170             | 172             | 172             | 170             | 152   |
|   | Performance                    | Air flow (H)      | m³/h            | 11000           | 11000           | 12000           | 13500           | 13500           | 17000           | 17000           | 18000           | 18000           | 19000 |
| Sound pressure level (H)                          |                                | dB(A)             | 56              | 56              | 59              | 59              | 60              | 61              | 61              | 61              | 62              | 62              |       |
| Installation                                      | External dimensions(W/D/H)     | mm                | 980/750/1690    |                 |                 | 980/750/1690    |                 |                 | 1410/750/1690   |                 |                 |                 |       |
|   | Shipping dimensions(W/D/H)     | mm                | 1070/850/1858   |                 |                 | 1070/850/1858   |                 |                 | 1515/850/1858   |                 |                 |                 |       |
|   | Net/Shipping weight            | kg                | 255/280         |                 |                 | 255/280         |                 |                 | 385/410         |                 |                 |                 |       |
|   | Compressor type                |                   | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  |       |
|   | Compressor brand               |                   | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      |       |
|   |                                |                   | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        | ELECTRIC        |       |
|   | Compressor quantity            |                   | 1INV            | 1INV            | 1INV            | 1INV            | 1INV            | 2INV            | 2INV            | 2INV            | 2INV            | 2INV            |       |
|   | Refrigerant type               |                   | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           |       |
|   | Refrigerant charge             | kg                | 10              | 10              | 10              | 10              | 10              | 10              | 10              | 10              | 10              | 10              |       |
|   | Refrigerant liquid pipe        | mm                | 9.52            | 9.52            | 12.7            | 12.7            | 12.7            | 15.88           | 15.88           | 15.88           | 15.88           | 15.88           |       |
|   | Refrigerant gas pipe           | mm                | 19.05           | 22.22           | 25.4            | 25.4            | 28.58           | 28.58           | 28.58           | 28.58           | 28.58           | 28.58           |       |
| Max.total pipe length                             | m                              | 1000              | 1000            | 1000            | 1000            | 1000            | 1000            | 1000            | 1000            | 1000            | 1000            |                 |       |
| Max. pipe length (Equivalent/Actual)              | m                              | 260/220           | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         |                 |       |
| Max drop between I.U.&O.U. (O.U. down/up) *1      | m                              | 110/90            | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          |                 |       |
| Standard drop between I.U.&O.U. (O.U. up/down) *2 | m                              | 50/40             | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           |                 |       |
| Max drop between I.U. *3                          | m                              | 30                | 30              | 30              | 30              | 30              | 30              | 30              | 30              | 30              | 30              |                 |       |
| Standard drop between I.U. *4                     | m                              | 18                | 18              | 18              | 18              | 18              | 18              | 18              | 18              | 18              | 18              |                 |       |
| External static pressure                          | Pa                             | 110               | 110             | 110             | 110             | 110             | 110             | 110             | 110             | 110             | 110             |                 |       |
| Connection ratio                                  | Connectable indoor unit ratio  | %                 | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          |       |
|   | Maximum number of indoor units |                   | 13              | 16              | 20              | 24              | 27              | 30              | 33              | 36              | 40              | 43              |       |
| Working temp.                                     | Cooling                        | °C                | -5-52           |                 |                 |                 | -5-52           |                 |                 |                 |                 |                 |       |
|   | Heating                        | °C                | -27-21          |                 |                 |                 | -27-21          |                 |                 |                 |                 |                 |       |

Max drop between I.U.&O.U. \*1  
Standard drop between I.U.&O.U. \*2  
Max drop between I.U. \*3  
Standard drop between I.U. \*4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24°C WB; in heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB

# MRV5-H

DC INVERTER

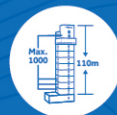
3/380~415/50/60



AV08NMVETA  
AV10NMVETA  
AV12NMVETA  
AV14NMVETA  
AV16NMVETA



AV18NMVETA  
AV20NMVETA  
AV22NMVETA  
AV24NMVETA  
AV26NMVETA



Total pipe length 1000m,  
height drop 110m



EVI compressors



Single module 26HP,  
maximum combination 104HP



Intelligent defrosting  
technology



| Model   |                                |                   | AV28NMVETA                  | AV30NMVETA      | AV32NMVETA      | AV34NMVETA                  | AV36NMVETA      | AV38NMVETA                  |        |
|---|--------------------------------|-------------------|-----------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------------------|--------|
| Combination model                                 |                                |                   | AV14NMVETA                  | AV14NMVETA      | AV16NMVETA      | AV16NMVETA                  | AV18NMVETA      | AV18NMVETA                  |        |
|   |                                |                   | AV14NMVETA                  | AV16NMVETA      | AV16NMVETA      | AV18NMVETA                  | AV18NMVETA      | AV20NMVETA                  |        |
|   |                                |                   | /                           | /               | /               | /                           | /               | /                           |        |
|   |                                |                   | /                           | /               | /               | /                           | /               | /                           |        |
| Capacity  | Capacity range                 | HP                | 28                          | 30              | 32              | 34                          | 36              | 38                          |        |
|   | Cooling                        | kW                | 80.0                        | 85.0            | 90.0            | 95.4                        | 100.8           | 106.4                       |        |
|   | Heating                        | kW                | 80.0                        | 85.0            | 90.0            | 95.4                        | 100.8           | 106.4                       |        |
| Electrical parameters                             | Power supply                   | Ph/V/Hz           | 3/380-415/50/60             | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60             | 3/380-415/50/60 | 3/380-415/50/60             |        |
|   | Cooling                        | Rated power input | kW                          | 23.88           | 25.18           | 26.47                       | 28.94           | 31.40                       | 32.32  |
|   |                                | Rated current     | A                           | 40.32           | 42.50           | 44.69                       | 48.85           | 53.01                       | 54.56  |
|   |                                | Max power input   | kW                          | 35.16           | 38.27           | 41.38                       | 46.59           | 51.80                       | 54.81  |
|   |                                | Max current       | A                           | 58.54           | 69.00           | 80.60                       | 92.60           | 103.82                      | 108.24 |
|   |                                | SEER              |                             | 5.68            | 6.54            | 6.42                        | 6.63            | 6.84                        | 6.82   |
|   | Heating                        | ηs.c              | %                           | 224             | 259             | 254                         | 262             | 271                         | 270    |
|   |                                | Rated power input | kW                          | 19.42           | 20.63           | 21.84                       | 23.73           | 25.62                       | 27.04  |
|   |                                | Rated current     | A                           | 33.76           | 35.87           | 37.98                       | 41.27           | 44.55                       | 47.02  |
|   |                                | Max power input   | kW                          | 32.20           | 39.12           | 43.86                       | 49.40           | 51.38                       | 60.80  |
|   |                                | Max current       | A                           | 53.61           | 65.14           | 73.03                       | 82.25           | 85.55                       | 101.23 |
|   | Performance                    | SCOP              |                             | 4.31            | 4.19            | 4.10                        | 4.21            | 4.31                        | 4.34   |
|   |                                | ηs.h              | %                           | 169             | 165             | 161                         | 165             | 169                         | 171    |
|   | Installation                   | Air flow (H)      | m³/h                        | 27000           | 27000           | 27000                       | 30500           | 34000                       | 34000  |
| Sound pressure level (H)                          |                                | dB(A)             | 62                          | 62.5            | 63              | 63.5                        | 64              | 64                          |        |
| External dimensions(W/D/H)                        |                                | mm                | 980/750/1690+980/750/1690   |                 |                 | 980/750/1690+1410/750/1690  |                 | 1410/750/1690+1410/750/1690 |        |
| Shipping dimensions(W/D/H)                        |                                | mm                | 1070/850/1858+1070/850/1858 |                 |                 | 1070/850/1858+1485/850/1858 |                 | 1485/850/1858+1485/850/1858 |        |
| Net/Shipping weight                               |                                | kg                | 255/280+255/280             |                 |                 | 255/280+385/410             |                 | 385/410+385/410             |        |
| Compressor type                                   |                                |                   | DC INV. SCROLL              |                 |                 | DC INV. SCROLL              |                 | DC INV. SCROLL              |        |
| Compressor brand                                  |                                |                   | MITSUBISHI<br>ELECTRIC      |                 |                 | MITSUBISHI<br>ELECTRIC      |                 | MITSUBISHI<br>ELECTRIC      |        |
| Compressor quantity                               |                                |                   | 2INV                        |                 |                 | 2INV                        |                 | 3INV                        |        |
| Refrigerant type                                  |                                |                   | R410A                       |                 |                 | R410A                       |                 | R410A                       |        |
| Refrigerant charge                                |                                | kg                | 20                          |                 |                 | 20                          |                 | 20                          |        |
| Refrigerant liquid pipe                           |                                | mm                | 15.88                       |                 |                 | 19.05                       |                 | 19.05                       |        |
| Refrigerant gas pipe                              |                                | mm                | 28.58                       |                 |                 | 31.8                        |                 | 38.1                        |        |
| Max.total pipe length                             |                                | m                 | 1000                        |                 |                 | 1000                        |                 | 1000                        |        |
| Max. pipe length (Equivalent/Actual)              |                                | m                 | 260/220                     |                 |                 | 260/220                     |                 | 260/220                     |        |
| Max drop between I.U.&O.U. (O.U. down/up) *1      | m                              | 110/90            |                             |                 | 110/90          |                             | 110/90          |                             |        |
| Standard drop between I.U.&O.U. (O.U. up/down) *2 | m                              | 50/40             |                             |                 | 50/40           |                             | 50/40           |                             |        |
| Max drop between I.U. *3                          | m                              | 30                |                             |                 | 30              |                             | 30              |                             |        |
| Standard drop between I.U. *4                     | m                              | 18                |                             |                 | 18              |                             | 18              |                             |        |
| External static pressure                          | Pa                             | 110               |                             |                 | 110             |                             | 110             |                             |        |
| Connection ratio                                  | Connectable indoor unit ratio  | %                 | 50-130                      |                 |                 | 50-130                      |                 | 50-130                      |        |
|   | Maximum number of indoor units |                   | 47                          |                 |                 | 53                          |                 | 59                          |        |
| Working temp.                                     | Cooling                        | °C                | -5-52                       |                 |                 | -5-52                       |                 |                             |        |
|   | Heating                        | °C                | -27-21                      |                 |                 | -27-21                      |                 |                             |        |

Max drop between I.U.&O.U. \*1  
Standard drop between I.U.&O.U. \*2  
Max drop between I.U. \*3  
Standard drop between I.U. \*4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24°C WB; in heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB

# MRV5-H

DC INVERTER

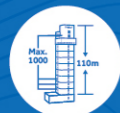
3/380~415/50/60



AV08NMVETA  
AV10NMVETA  
AV12NMVETA  
AV14NMVETA  
AV16NMVETA



AV18NMVETA  
AV20NMVETA  
AV22NMVETA  
AV24NMVETA  
AV26NMVETA



Max pipe length 1000m,  
height drop 110m



EVI compressors



Single module 26HP,  
maximum combination 104HP



Intelligent defrosting  
technology



| Model   |                                |                   | AV40NMVETA                  | AV42NMVETA             | AV44NMVETA             | AV46NMVETA             | AV48NMVETA                  | AV50NMVETA             | AV52NMVETA             | AV54NMVETA             | AV56NMVETA                  |        |
|---|--------------------------------|-------------------|-----------------------------|------------------------|------------------------|------------------------|-----------------------------|------------------------|------------------------|------------------------|-----------------------------|--------|
| Combination model                                 | AV20NMVETA                     |                   | AV20NMVETA                  | AV20NMVETA             | AV22NMVETA             | AV22NMVETA             | AV24NMVETA                  | AV24NMVETA             | AV26NMVETA             | AV18NMVETA             | AV18NMVETA                  |        |
|   | AV20NMVETA                     |                   | AV22NMVETA                  | AV22NMVETA             | AV22NMVETA             | AV24NMVETA             | AV24NMVETA                  | AV26NMVETA             | AV26NMVETA             | AV18NMVETA             | AV18NMVETA                  |        |
|   | /                              |                   | /                           | /                      | /                      | /                      | /                           | /                      | /                      | AV18NMVETA             | AV20NMVETA                  |        |
|   | /                              |                   | /                           | /                      | /                      | /                      | /                           | /                      | /                      | /                      | /                           |        |
| Capacity  | Capacity range                 | HP                | 40                          | 42                     | 44                     | 46                     | 48                          | 50                     | 52                     | 54                     | 56                          |        |
|   | Cooling                        | kW                | 112.0                       | 117.5                  | 123.0                  | 129.5                  | 136.0                       | 141.5                  | 147.0                  | 151.2                  | 156.8                       |        |
|   | Heating                        | kW                | 112.0                       | 117.5                  | 123.0                  | 129.5                  | 136.0                       | 141.5                  | 147.0                  | 151.2                  | 156.8                       |        |
| Electrical parameters                             | Power supply                   | Ph/V/Hz           | 3/380-415/50/60             | 3/380-415/50/60        | 3/380-415/50/60        | 3/380-415/50/60        | 3/380-415/50/60             | 3/380-415/50/60        | 3/380-415/50/60        | 3/380-415/50/60        | 3/380-415/50/60             |        |
|   | Cooling                        | Rated power input | kW                          | 33.23                  | 34.92                  | 36.61                  | 36.91                       | 37.22                  | 39.86                  | 42.49                  | 47.10                       | 48.02  |
|   |                                | Rated current     | A                           | 56.11                  | 58.95                  | 61.80                  | 62.32                       | 62.84                  | 67.29                  | 71.73                  | 79.52                       | 81.07  |
|   |                                | Max power input   | kW                          | 57.82                  | 60.73                  | 63.64                  | 64.63                       | 65.62                  | 68.16                  | 70.70                  | 77.70                       | 80.71  |
|   |                                | Max current       | A                           | 117.72                 | 117.08                 | 138.00                 | 161.20                      | 185.20                 | 207.64                 | 216.48                 | 235.43                      | 234.17 |
|   |                                | SEER              |                             | 6.80                   | 6.69                   | 6.59                   | 6.76                        | 6.97                   | 6.87                   | 6.78                   | 6.85                        | 6.84   |
|   |                                | ηs.c              | %                           | 269                    | 265                    | 261                    | 267                         | 276                    | 272                    | 268                    | 271                         | 271    |
|   | Heating                        | Rated power input | kW                          | 28.47                  | 30.37                  | 32.27                  | 35.00                       | 37.73                  | 40.49                  | 43.25                  | 38.43                       | 39.85  |
|   |                                | Rated current     | A                           | 49.50                  | 52.81                  | 56.12                  | 60.86                       | 65.60                  | 70.40                  | 75.20                  | 66.82                       | 69.30  |
|   |                                | Max power input   | kW                          | 64.90                  | 64.40                  | 78.24                  | 87.72                       | 98.80                  | 102.77                 | 121.60                 | 129.80                      | 128.80 |
|   |                                | Max current       | A                           | 108.06                 | 107.23                 | 130.28                 | 146.05                      | 164.50                 | 171.11                 | 202.46                 | 216.12                      | 214.45 |
|   |                                | SCOP              |                             | 4.38                   | 4.38                   | 4.39                   | 4.36                        | 4.34                   | 4.08                   | 3.88                   | 4.31                        | 4.33   |
|   |                                | ηs.h              | %                           | 172                    | 172                    | 173                    | 171                         | 170                    | 160                    | 152                    | 169                         | 170    |
|   | Performance                    | Air flow (H)      | m³/h                        | 34000                  | 35000                  | 36000                  | 36000                       | 36000                  | 37000                  | 38000                  | 51000                       | 51000  |
| Sound pressure level (H)                          |                                | dB(A)             | 64                          | 64                     | 64                     | 64.5                   | 65                          | 65                     | 65                     | 65.8                   | 65.8                        |        |
| Installation                                      | External dimensions(W/D/H)     | mm                | 1410/750/1690+1410/750/1690 |                        |                        |                        | 1410/750/1690+1410/750/1690 |                        |                        |                        | 1410/750/1690+1410/750/1690 |        |
|   | Shipping dimensions(W/D/H)     | mm                | 1485/850/1858+1485/850/1858 |                        |                        |                        | 1485/850/1858+1485/850/1858 |                        |                        |                        | 1485/850/1858+1485/850/1858 |        |
|   | Net/Shipping weight            | kg                | 385/410+385/410             |                        |                        |                        | 385/410+385/410             |                        |                        |                        | 385/410+385/410+385/410     |        |
|   | Compressor type                |                   | DC INV. SCROLL              | DC INV. SCROLL         | DC INV. SCROLL         | DC INV. SCROLL         | DC INV. SCROLL              | DC INV. SCROLL         | DC INV. SCROLL         | DC INV. SCROLL         | DC INV. SCROLL              |        |
|   | Compressor brand               |                   | MITSUBISHI<br>ELECTRIC      | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC      | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC      |        |
|   | Compressor quantity            |                   | 4INV                        | 4INV                   | 4INV                   | 4INV                   | 4INV                        | 4INV                   | 4INV                   | 6INV                   | 6INV                        |        |
|   | Refrigerant type               |                   | R410A                       | R410A                  | R410A                  | R410A                  | R410A                       | R410A                  | R410A                  | R410A                  | R410A                       |        |
|   | Refrigerant charge             | kg                | 20                          | 20                     | 20                     | 20                     | 20                          | 20                     | 20                     | 30                     | 30                          |        |
|   | Refrigerant liquid pipe        | mm                | 19.05                       | 19.05                  | 19.05                  | 19.05                  | 19.05                       | 19.05                  | 19.05                  | 19.05                  | 19.05                       |        |
|   | Refrigerant gas pipe           | mm                | 38.1                        | 38.1                   | 38.1                   | 38.1                   | 38.1                        | 38.1                   | 38.1                   | 38.1                   | 38.1                        |        |
| Max.total pipe length                             | m                              | 1000              | 1000                        | 1000                   | 1000                   | 1000                   | 1000                        | 1000                   | 1000                   | 1000                   |                             |        |
| Max. pipe length (Equivalent/Actual)              | m                              | 260/220           | 260/220                     | 260/220                | 260/220                | 260/220                | 260/220                     | 260/220                | 260/220                | 260/220                |                             |        |
| Max drop between I.U.&O.U. (O.U. down/up) *1      | m                              | 110/90            | 110/90                      | 110/90                 | 110/90                 | 110/90                 | 110/90                      | 110/90                 | 110/90                 | 110/90                 |                             |        |
| Standard drop between I.U.&O.U. (O.U. up/down) *2 | m                              | 50/40             | 50/40                       | 50/40                  | 50/40                  | 50/40                  | 50/40                       | 50/40                  | 50/40                  | 50/40                  |                             |        |
| Max drop between I.U. *3                          | m                              | 30                | 30                          | 30                     | 30                     | 30                     | 30                          | 30                     | 30                     | 30                     |                             |        |
| Standard drop between I.U. *4                     | m                              | 18                | 18                          | 18                     | 18                     | 18                     | 18                          | 18                     | 18                     | 18                     |                             |        |
| External static pressure                          | Pa                             | 110               | 110                         | 110                    | 110                    | 110                    | 110                         | 110                    | 110                    | 110                    |                             |        |
| Connection ratio                                  | Connectable indoor unit ratio  | %                 | 50-130                      | 50-130                 | 50-130                 | 50-130                 | 50-130                      | 50-130                 | 50-130                 | 50-130                 | 50-130                      |        |
|   | Maximum number of indoor units |                   | 64                          | 64                     | 64                     | 64                     | 64                          | 64                     | 64                     | 64                     | 64                          |        |
| Working temp.                                     | Cooling                        | °C                | -5-52                       |                        |                        |                        | -5-52                       |                        |                        |                        | -5-52                       |        |
|   | Heating                        | °C                | -27-21                      |                        |                        |                        | -27-21                      |                        |                        |                        | -27-21                      |        |

Max drop between I.U.&O.U. \*1  
Standard drop between I.U.&O.U. \*2  
Max drop between I.U. \*3  
Standard drop between I.U. \*4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24°C WB in heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB

# MRV5-H

DC INVERTER

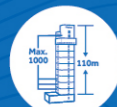
3/380~415/50/60



AV08NMVETA  
AV10NMVETA  
AV12NMVETA  
AV14NMVETA  
AV16NMVETA



AV18NMVETA  
AV20NMVETA  
AV22NMVETA  
AV24NMVETA  
AV26NMVETA



Total pipe length 1000m,  
height drop 110m



EVI compressors



Single module 26HP,  
maximum combination 104HP



Intelligent defrosting  
technology



| Model   |                                |                   | AV58NMVETA                                | AV60NMVETA      | AV62NMVETA             | AV64NMVETA             | AV66NMVETA                                | AV68NMVETA             | AV70NMVETA             | AV72NMVETA             |            |
|---|--------------------------------|-------------------|---|-----------------|------------------------|------------------------|---|------------------------|------------------------|------------------------|------------|
| Combination model                                 |                                |                   | AV18NMVETA                                | AV20NMVETA      | AV22NMVETA             | AV22NMVETA             | AV22NMVETA                                | AV22NMVETA             | AV22NMVETA             | AV24NMVETA             | AV24NMVETA |
|   |                                |                   | AV20NMVETA                                | AV20NMVETA      | AV20NMVETA             | AV22NMVETA             | AV22NMVETA                                | AV22NMVETA             | AV22NMVETA             | AV24NMVETA             | AV24NMVETA |
|   |                                |                   | AV20NMVETA                                | AV20NMVETA      | AV20NMVETA             | AV20NMVETA             | AV22NMVETA                                | AV24NMVETA             | AV24NMVETA             | AV24NMVETA             | AV24NMVETA |
|   |                                |                   | /   | /               | /                      | /                      | /   | /                      | /                      | /                      | /          |
| Capacity  | Capacity range                 | HP                | 58  | 60              | 62                     | 64                     | 66  | 68                     | 70                     | 72                     |            |
|   | Cooling                        | kW                | 162.4                                     | 168.0           | 173.5                  | 179.0                  | 184.5                                     | 191.0                  | 197.5                  | 204.0                  |            |
|   | Heating                        | kW                | 162.4                                     | 168.0           | 173.5                  | 179.0                  | 184.5                                     | 191.0                  | 197.5                  | 204.0                  |            |
| Electrical parameters                             | Power supply                   | Ph/V/Hz           | 3/380-415/50/60                           | 3/380-415/50/60 | 3/380-415/50/60        | 3/380-415/50/60        | 3/380-415/50/60                           | 3/380-415/50/60        | 3/380-415/50/60        | 3/380-415/50/60        |            |
|   | Cooling                        | Rated power input | kW  | 48.94           | 49.85                  | 51.54                  | 53.22                                     | 54.91                  | 55.22                  | 55.53                  | 55.83      |
|   |                                | Rated current     | A   | 82.61           | 84.16                  | 87.01                  | 89.85                                     | 92.70                  | 93.22                  | 93.74                  | 94.26      |
|   |                                | Max power input   | kW  | 83.72           | 86.73                  | 89.64                  | 92.55                                     | 95.46                  | 96.45                  | 97.44                  | 98.43      |
|   |                                | Max current       | A   | 276.00          | 322.40                 | 370.40                 | 415.28                                    | 432.96                 | 470.86                 | 468.33                 | 552.00     |
|   |                                | SEER              |   | 6.83            | 6.81                   | 6.74                   | 6.67                                      | 6.60                   | 6.80                   | 6.86                   | 6.98       |
|   |                                | ηs.c              | %   | 270             | 269                    | 267                    | 264                                       | 261                    | 269                    | 271                    | 276        |
|   | Heating                        | Rated power input | kW  | 41.27           | 42.70                  | 44.60                  | 46.51                                     | 48.41                  | 51.14                  | 53.86                  | 56.59      |
|   |                                | Rated current     | A   | 71.77           | 74.25                  | 77.56                  | 80.87                                     | 84.18                  | 88.92                  | 93.66                  | 98.40      |
|   |                                | Max power input   | kW  | 156.48          | 175.44                 | 197.60                 | 205.54                                    | 243.20                 | 259.60                 | 257.60                 | 312.96     |
|   |                                | Max current       | A   | 260.56          | 292.11                 | 329.00                 | 342.22                                    | 404.93                 | 432.23                 | 428.90                 | 521.12     |
| SCOP  |                                |                   | 4.36                                      | 4.38            | 4.38                   | 4.39                   | 4.39                                      | 4.37                   | 4.35                   | 4.34                   |            |
|   | ηs.h                           | %                 | 171                                       | 172             | 172                    | 172                    | 173                                       | 172                    | 171                    | 170                    |            |
| Performance                                       | Air flow (H)                   | m³/h              | 51000                                     | 51000           | 52000                  | 53000                  | 54000                                     | 54000                  | 54000                  | 54000                  |            |
|   | Sound pressure level (H)       | dB(A)             | 65.8                                      | 65.8            | 65.8                   | 65.8                   | 65.8                                      | 66                     | 66.5                   | 66.8                   |            |
| Installation                                      | External dimensions(W/D/H)     | mm                | 1410/750/1690+1410/750/1690+1410/750/1690 |                 |                        |                        | 1410/750/1690+1410/750/1690+1410/750/1690 |                        |                        |                        |            |
|   | Shipping dimensions(W/D/H)     | mm                | 1485/850/1858+1485/850/1858+1485/850/1858 |                 |                        |                        | 1485/850/1858+1485/850/1858+1485/850/1858 |                        |                        |                        |            |
|   | Net/Shipping weight            | kg                | 385/410+385/410+385/410                   |                 |                        |                        | 385/410+385/410+385/410                   |                        |                        |                        |            |
|   | Compressor type                |                   | DC INV. SCROLL                            |                 | DC INV. SCROLL         | DC INV. SCROLL         | DC INV. SCROLL                            | DC INV. SCROLL         | DC INV. SCROLL         | DC INV. SCROLL         |            |
|   | Compressor brand               |                   | MITSUBISHI<br>ELECTRIC                    |                 | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC                    | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC | MITSUBISHI<br>ELECTRIC |            |
|   | Compressor quantity            |                   | 6INV                                      |                 | 6INV                   | 6INV                   | 6INV                                      | 6INV                   | 6INV                   | 6INV                   |            |
|   | Refrigerant type               |                   | R410A                                     |                 | R410A                  | R410A                  | R410A                                     | R410A                  | R410A                  | R410A                  |            |
|   | Refrigerant charge             | kg                | 30  |                 | 30                     | 30                     | 30  | 30                     | 30                     | 30                     |            |
|   | Refrigerant liquid pipe        | mm                | 19.05                                     |                 | 19.05                  | 19.05                  | 19.05                                     | 19.05                  | 22.2                   | 22.2                   |            |
|   | Refrigerant gas pipe           | mm                | 41.3                                      |                 | 41.3                   | 41.3                   | 41.3                                      | 41.3                   | 44.5                   | 44.5                   |            |
|   | Max.total pipe length          | m                 | 1000                                      |                 | 1000                   | 1000                   | 1000                                      | 1000                   | 1000                   | 1000                   |            |
| Max. pipe length (Equivalent/Actual)              | m                              | 260/220           |   | 260/220         | 260/220                | 260/220                | 260/220                                   | 260/220                | 260/220                |                        |            |
| Max drop between I.U.&O.U. (O.U. down/up) *1      | m                              | 110/90            |   | 110/90          | 110/90                 | 110/90                 | 110/90                                    | 110/90                 | 110/90                 |                        |            |
| Standard drop between I.U.&O.U. (O.U. up/down) *2 | m                              | 50/40             |   | 50/40           | 50/40                  | 50/40                  | 50/40                                     | 50/40                  | 50/40                  |                        |            |
| Max drop between I.U. *3                          | m                              | 30                |   | 30              | 30                     | 30                     | 30  | 30                     | 30                     |                        |            |
| Standard drop between I.U. *4                     | m                              | 18                |   | 18              | 18                     | 18                     | 18  | 18                     | 18                     |                        |            |
| External static pressure                          | Pa                             | 110               |   | 110             | 110                    | 110                    | 110                                       | 110                    | 110                    |                        |            |
| Connection ratio                                  | Connectable indoor unit ratio  | %                 | 50-130                                    |                 | 50-130                 | 50-130                 | 50-130                                    | 50-130                 | 50-130                 | 50-130                 |            |
|   | Maximum number of indoor units |                   | 64  |                 | 64                     | 64                     | 64  | 64                     | 64                     |                        |            |
| Working temp.                                     | Cooling                        | °C                | -5-52                                     |                 |                        |                        |   |                        | -5-52                  |                        |            |
|   | Heating                        | °C                | -27-21                                    |                 |                        |                        |   |                        | -27-21                 |                        |            |

Max drop between I.U.&O.U. \*1  
Standard drop between I.U.&O.U. \*2  
Max drop between I.U. \*3  
Standard drop between I.U. \*4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24°C WB; in heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB

# MRV5-H

DC INVERTER

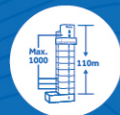
3/380~415/50/60



AV08NMVETA  
AV10NMVETA  
AV12NMVETA  
AV14NMVETA  
AV16NMVETA



AV18NMVETA  
AV20NMVETA  
AV22NMVETA  
AV24NMVETA  
AV26NMVETA



Total pipe length 1000m,  
height drop 110m



EVI compressors



Single module 26HP,  
maximum combination 104HP



Intelligent defrosting  
technology



| Model   |  |                   | AV74NMVETA                                | AV76NMVETA | AV78NMVETA                                | AV80NMVETA | AV82NMVETA                                | AV84NMVETA | AV86NMVETA      |         |
|---|--|-------------------|---|------------|---|------------|---|------------|-----------------|---------|
| Combination model                                 |  |                   | AV26NMVETA                                | AV26NMVETA | AV26NMVETA                                | AV20NMVETA | AV20NMVETA                                | AV20NMVETA | AV20NMVETA      |         |
|   |  |                   | AV24NMVETA                                | AV26NMVETA | AV26NMVETA                                | AV20NMVETA | AV20NMVETA                                | AV20NMVETA | AV22NMVETA      |         |
|   |  |                   | AV24NMVETA                                | AV24NMVETA | AV26NMVETA                                | AV20NMVETA | AV20NMVETA                                | AV22NMVETA | AV22NMVETA      |         |
|   |  |                   | /   | /          | /   | AV20NMVETA | AV22NMVETA                                | AV22NMVETA | AV22NMVETA      |         |
| Capacity  | Capacity range                               | HP                | 74  | 76         | 78  | 80         | 82  | 84         | 86              |         |
|   | Cooling                                      | kW                | 209.5                                     | 215.0      | 220.5                                     | 224.0      | 229.5                                     | 235.0      | 240.5           |         |
|   | Heating                                      | kW                | 209.5                                     | 215.0      | 220.5                                     | 224.0      | 229.5                                     | 235.0      | 240.5           |         |
| Electrical parameters                             | Power supply                                 | Ph/V/Hz           | 3/380-415/50/60                           |            | 3/380-415/50/60                           |            | 3/380-415/50/60                           |            | 3/380-415/50/60 |         |
|   | Cooling                                      | Rated power input | kW  | 58.47      | 61.10                                     | 63.74      | 66.47                                     | 68.16      | 69.84           | 71.53   |
|   |  | Rated current     | A   | 98.71      | 103.15                                    | 107.60     | 112.21                                    | 115.06     | 117.91          | 120.75  |
|   |  | Max power input   | kW  | 100.97     | 103.51                                    | 106.05     | 115.64                                    | 118.55     | 121.46          | 124.37  |
|   |  | Max current       | A   | 644.80     | 740.80                                    | 830.56     | 865.92                                    | 941.72     | 936.66          | 1104.00 |
|   |  | SEER              |   | 6.92       | 6.85                                      | 6.79       | 6.82                                      | 6.76       | 6.71            | 6.65    |
|   | Heating                                      | ηs.c              | %   | 274        | 271                                       | 269        | 270                                       | 267        | 265             | 263     |
|   |  | Rated power input | kW  | 59.35      | 62.11                                     | 64.87      | 56.93                                     | 58.84      | 60.74           | 62.65   |
|   |  | Rated current     | A   | 103.20     | 108.00                                    | 112.80     | 98.99                                     | 102.31     | 105.62          | 108.93  |
|   |  | Max power input   | kW  | 350.88     | 395.20                                    | 411.07     | 486.40                                    | 519.20     | 515.20          | 625.92  |
|   |  | Max current       | A   | 584.22     | 658.01                                    | 684.44     | 809.86                                    | 864.47     | 857.81          | 1042.24 |
|   | Performance                                  | SCOP              |   | 4.16       | 4.01                                      | 3.88       | 4.38                                      | 4.38       | 4.38            | 4.39    |
|   |  | ηs.h              | %   | 164        | 157                                       | 152        | 172                                       | 172        | 172             | 173     |
|   | Performance                                  | Air flow (H)      | m³/h                                      | 55000      | 56000                                     | 57000      | 68000                                     | 69000      | 70000           | 71000   |
| Sound pressure level (H)                          |  | dB(A)             | 66.8                                      | 66.8       | 66.8                                      | 67         | 67  | 67         | 67              |         |
| Installation                                      | External dimensions(W/D/H)                   | mm                | 1410/750/1690+1410/750/1690+1410/750/1690 |            | 1410/750/1690+1410/750/1690+1410/750/1690 |            | 1410/750/1690+1410/750/1690+1410/750/1690 |            |                 |         |
|   | Shipping dimensions(W/D/H)                   | mm                | 1485/850/1858+1485/850/1858+1485/850/1858 |            | 1485/850/1858+1485/850/1858+1485/850/1858 |            | 1485/850/1858+1485/850/1858+1485/850/1858 |            |                 |         |
|   | Net/Shipping weight                          | kg                | 385/410+385/410+385/410                   |            | 385/410+385/410+385/410                   |            | 385/410+385/410+385/410                   |            |                 |         |
|   | Compressor type                              |                   | DC INV. SCROLL                            |            | DC INV. SCROLL                            |            | DC INV. SCROLL                            |            | DC INV. SCROLL  |         |
|   | Compressor brand                             |                   | MITSUBISHI                                |            | MITSUBISHI                                |            | MITSUBISHI                                |            | MITSUBISHI      |         |
|   | Compressor quantity                          |                   | ELECTRIC                                  |            | ELECTRIC                                  |            | ELECTRIC                                  |            | ELECTRIC        |         |
|   | Compressor quantity                          |                   | 6INV                                      |            | 6INV                                      |            | 8INV                                      |            | 8INV            |         |
|   | Refrigerant type                             |                   | R410A                                     |            | R410A                                     |            | R410A                                     |            | R410A           |         |
|   | Refrigerant charge                           | kg                | 30  |            | 30  |            | 40  |            | 40              |         |
|   | Refrigerant liquid pipe                      | mm                | 22.2                                      |            | 22.2                                      |            | 22.2                                      |            | 22.2            |         |
|   | Refrigerant gas pipe                         | mm                | 44.5                                      |            | 44.5                                      |            | 44.5                                      |            | 44.5            |         |
|   | Max.total pipe length                        | m                 | 1000                                      |            | 1000                                      |            | 1000                                      |            | 1000            |         |
|   | Max. pipe length (Equivalent/Actual)         | m                 | 260/220                                   |            | 260/220                                   |            | 260/220                                   |            | 260/220         |         |
|   | Max drop between I.U.&O.U. (O.U. down/up) *1 | m                 | 110/90                                    |            | 110/90                                    |            | 110/90                                    |            | 110/90          |         |
| Standard drop between I.U.&O.U. (O.U. up/down) *2 | m  | 50/40             |   | 50/40      |   | 50/40      |   | 50/40      |                 |         |
| Max drop between I.U. *3                          | m  | 30                |   | 30         |   | 30         |   | 30         |                 |         |
| Standard drop between I.U. *4                     | m  | 18                |   | 18         |   | 18         |   | 18         |                 |         |
| External static pressure                          | Pa   | 110               |   | 110        |   | 110        |   | 110        |                 |         |
| Connection ratio                                  | Connectable indoor unit ratio                | %                 | 50-130                                    |            | 50-130                                    |            | 50-130                                    |            | 50-130          |         |
|   | Maximum number of indoor units               |                   | 64  |            | 64  |            | 64  |            | 64              |         |
| Working temp.                                     | Cooling                                      | °C                | -5-52                                     |            |   |            | -5-52                                     |            |                 |         |
|   | Heating                                      | °C                | -27-21                                    |            |   |            | -27-21                                    |            |                 |         |

Max drop between I.U.&O.U. \*1  
Standard drop between I.U.&O.U. \*2  
Max drop between I.U. \*3  
Standard drop between I.U. \*4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB; Outdoor temp 35°C DB/24WB; in heating, indoor temp. is 20°C DB, in heating, outdoor temp. is 7°C DB/6°CWB



# MRV5-H

DC INVERTER

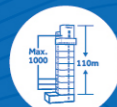
3/380~415/50/60



AV08NMVETA  
AV10NMVETA  
AV12NMVETA  
AV14NMVETA  
AV16NMVETA



AV18NMVETA  
AV20NMVETA  
AV22NMVETA  
AV24NMVETA  
AV26NMVETA



Total pipe length 1000m,  
height drop 110m



EVI compressors



Single module 26HP,  
maximum combination 104HP



Intelligent defrosting  
technology



| Model   |                                |                   | AV88NMVETA  | AV90NMVETA      | AV92NMVETA      | AV94NMVETA      | AV96NMVETA      | AV98NMVETA      | AV100NMVETA     | AV102NMVETA     | AV104NMVETA     |            |
|---|--------------------------------|-------------------|---|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------|
| Combination model                                 |                                |                   | AV22NMVETA  | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV26NMVETA      | AV26NMVETA      | AV26NMVETA      | AV26NMVETA |
|   |                                |                   | AV22NMVETA  | AV22NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV26NMVETA      | AV26NMVETA      | AV26NMVETA      | AV26NMVETA |
|   |                                |                   | AV22NMVETA  | AV22NMVETA      | AV22NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV26NMVETA      | AV26NMVETA |
|   |                                |                   | AV22NMVETA  | AV22NMVETA      | AV22NMVETA      | AV22NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV24NMVETA      | AV26NMVETA |
| Capacity  | Capacity range                 | HP                | 88  | 90              | 92              | 94              | 96              | 98              | 100             | 102             | 104             |            |
|   | Cooling                        | kW                | 246.0   | 252.5           | 259.0           | 265.5           | 272.0           | 277.5           | 283.0           | 288.5           | 294.0           |            |
|   | Heating                        | kW                | 246.0   | 252.5           | 259.0           | 265.5           | 272.0           | 277.5           | 283.0           | 288.5           | 294.0           |            |
| Electrical parameters                             | Power supply                   | Ph/V/Hz           | 3/380-415/50/60   | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 | 3/380-415/50/60 |            |
|   | Cooling                        | Rated power input | kW  | 73.21           | 73.52           | 73.83           | 74.14           | 74.44           | 77.08           | 79.71           | 82.35           | 84.98      |
|   |                                | Rated current     | A   | 123.60          | 124.12          | 124.64          | 125.16          | 125.68          | 130.13          | 134.57          | 139.02          | 143.47     |
|   |                                | Max power input   | kW  | 127.28          | 128.27          | 129.26          | 130.25          | 131.24          | 133.78          | 136.32          | 138.86          | 141.40     |
|   |                                | Max current       | A   | 1289.60         | 1481.60         | 1661.12         | 1731.84         | 1883.45         | 1873.33         | 2208.00         | 2579.20         | 2963.20    |
|   |                                | SEER              |   | 6.61            | 6.70            | 6.80            | 6.90            | 6.99            | 6.94            | 6.89            | 6.84            | 6.80       |
|   |                                | ηs.c              | %   | 261             | 265             | 269             | 273             | 277             | 275             | 273             | 271             | 269        |
|   | Heating                        | Rated power input | kW  | 64.55           | 67.28           | 70.00           | 72.73           | 75.45           | 78.21           | 80.97           | 83.73           | 86.50      |
|   |                                | Rated current     | A   | 112.24          | 116.98          | 121.72          | 126.46          | 131.20          | 136.00          | 140.80          | 145.60          | 150.40     |
|   |                                | Max power input   | kW  | 701.76          | 790.40          | 822.14          | 972.80          | 1038.40         | 1030.40         | 1251.84         | 1403.52         | 1580.80    |
|   |                                | Max current       | A   | 1168.43         | 1316.02         | 1368.87         | 1619.71         | 1728.94         | 1715.62         | 2084.48         | 2336.86         | 2632.03    |
|   |                                | SCOP              |   | 4.39            | 4.38            | 4.36            | 4.35            | 4.34            | 4.20            | 4.08            | 3.98            | 3.88       |
|   |                                | ηs.h              | %   | 173             | 172             | 171             | 171             | 170             | 165             | 160             | 156             | 152        |
|   | Performance                    | Air flow (H)      | m³/h  | 72000           | 72000           | 72000           | 72000           | 72000           | 73000           | 74000           | 75000           | 76000      |
| Sound pressure level (H)                          |                                | dB(A)             | 67  | 67.5            | 67.5            | 68              | 68              | 68              | 68              | 68              | 68              |            |
| Installation                                      | External dimensions(W/D/H)     | mm                | 1410/750/1690+1410/750/1690+1410/750/1690+1410/750/1690 |                 |                 |                 |                 |                 |                 |                 |                 |            |
|   | Shipping dimensions(W/D/H)     | mm                | 1485/850/1858+1485/850/1858+1485/850/1858+1485/850/1858 |                 |                 |                 |                 |                 |                 |                 |                 |            |
|   | Net/Shipping weight            | kg                | 385/410+385/410+385/410+385/410                         |                 |                 |                 |                 |                 |                 |                 |                 |            |
|   | Compressor type                |                   | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  | DC INV. SCROLL  |            |
|   | Compressor brand               |                   | MITSUBISHI  | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      | MITSUBISHI      |            |
|   | Compressor quantity            |                   | 8INV  | 8INV            | 8INV            | 8INV            | 8INV            | 8INV            | 8INV            | 8INV            | 8INV            |            |
|   | Refrigerant type               |                   | R410A   | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           | R410A           |            |
|   | Refrigerant charge             | kg                | 40  | 40              | 40              | 40              | 40              | 40              | 40              | 40              | 40              |            |
|   | Refrigerant liquid pipe        | mm                | 25.4  | 25.4            | 25.4            | 25.4            | 25.4            | 25.4            | 25.4            | 25.4            | 25.4            |            |
|   | Refrigerant gas pipe           | mm                | 50.8  | 50.8            | 50.8            | 50.8            | 50.8            | 54.1            | 54.1            | 54.1            | 54.1            |            |
| Max.total pipe length                             | m                              | 1000              | 1000  | 1000            | 1000            | 1000            | 1000            | 1000            | 1000            | 1000            |                 |            |
| Max. pipe length (Equivalent/Actual)              | m                              | 260/220           | 260/220   | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         | 260/220         |                 |            |
| Max drop between I.U.&O.U. (O.U. down/up) *1      | m                              | 110/90            | 110/90  | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          | 110/90          |                 |            |
| Standard drop between I.U.&O.U. (O.U. up/down) *2 | m                              | 50/40             | 50/40   | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           | 50/40           |                 |            |
| Max drop between I.U. *3                          | m                              | 30                | 30  | 30              | 30              | 30              | 30              | 30              | 30              | 30              |                 |            |
| Standard drop between I.U. *4                     | m                              | 18                | 18  | 18              | 18              | 18              | 18              | 18              | 18              | 18              |                 |            |
| External static pressure                          | Pa                             | 110               | 110   | 110             | 110             | 110             | 110             | 110             | 110             | 110             |                 |            |
| Connection ratio                                  | Connectable indoor unit ratio  | %                 | 50-130  | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          | 50-130          |            |
|   | Maximum number of indoor units |                   | 64  | 64              | 64              | 64              | 64              | 64              | 64              | 64              | 64              |            |
| Working temp.                                     | Cooling                        | °C                | -5-52   |                 |                 |                 | -5-52           |                 |                 |                 |                 |            |
|   | Heating                        | °C                | -27-21  |                 |                 |                 | -27-21          |                 |                 |                 |                 |            |

Max drop between I.U.&O.U. \*1  
Standard drop between I.U.&O.U. \*2  
Max drop between I.U. \*3  
Standard drop between I.U. \*4

If the height difference between the outdoor and the indoor units is from 50 to 110m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.  
If the height difference between the indoor units is from 18 to 30m, you MUST contact your local distributor/dealer for individual design and production.  
Standard design and production in the factory.

\* All the specifications are tested under nominal condition in cooling, indoor temp. is 27°C DB/19°C WB, outdoor temp. 35°C DB/24°C WB; in heating, indoor temp. is 20°C DB, outdoor temp. is 7°C DB/6°C WB