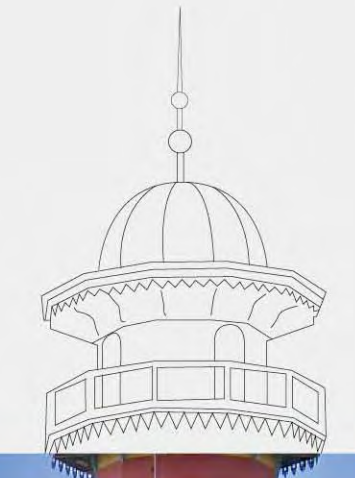


MRV5-C^{T1}

DC INVERTER

141 Features & Benefits

146 MRV 5-C Outdoor



Cooling Only



MRV5-C



Advanced Technology



High Efficiency



Super Comfort



Easy Installation

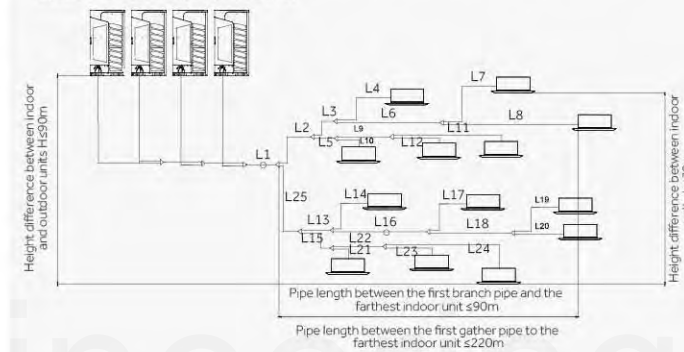
Advanced Technology

Total pipe length 1000m, height drop 110m

- Max. total pipe length 1000m
 - Max. actual pipe length 220m
 - Max. equivalent pipe length 260m
 - Max. drop between IDU&ODU / 90m (outdoor unit up) / 110m (outdoor unit down)
 - Max. drop between IDU&IDU 30m*
- * if the total pipe length is between 300m and 1100m or the drop between IDU and ODU more than 50m, please contact your local dealer.



2. Allowable pipe length and height difference between indoor and outdoor outdoor unit (outdoor unit above)



| Pipe length and height difference (m) | Allowable value | For example |
|---|--|--|
| Single way total pipe length | ≤1000 | $L1+2^*+L2+L3+L4+L5+L6+L7+L8+L9+L10+L11+L12+L13+L14+L15+L16+L17+L18+L19+L20+L21+L22+L23+L24+L25$ |
| Pipe length between the first gather pipe to the farthest indoor unit | Actual length ≤260 Equivalent length ≤130 | $L1+L2+L3+L4+L8$ |
| Pipe length between the first gather pipe and the first branch pipe(main pipe) | ≤90** | L1 |
| Pipe length between the first branch pipe and the farthest indoor unit | ≤40** | $L2+L3+L4+L8$ |
| Pipe length between indoor units and the nearest branch pipe | ≤40 | $L4/L7/L8/L10/L11/L12/L14/L17/L19/L20/L21/L23/L24$ |
| Pipe length difference between the nearest indoor unit and the farthest indoor unit | ≤90** | $L2+L3+L4+L8-L2-L5-L10$ |
| Height difference between indoor and outdoor units | Outdoor unit above Outdoor unit under | H |
| Height difference between indoor units | ≤30** | h |

1. Standard length ≤90m, if >90m, enlarge the pipe diameter as pipe "C" diameter rules.
2. Standard length ≤40m, if >40m, the pipe between the first branch and the farthest indoor unit need to enlarge one size(refer to pipe "A" & "B" diameter rules).
3. Standard length ≤15m, if >15m, the pipe between indoor units and the nearest branch pipe need to enlarge one size (refer to pipe "A" diameter rules).
4. Standard height differences ≤50m, if $50m < x \leq 70m$, need meet following conditions.
 - 1) Indoor rated capacity/outdoor corrected capacity ≤130%.
 - 2) Set long pipe mode from outdoor PCB.
 - 3) Gas pipe and liquid pipe of main pipe need to enlarge one size, refer to pipe "C" diameter rules.
 - 4) If single way total pipe length >500m, need to add compressor oil 0.3L/100m(pipe length less than 100m, count as 100m).

For example, if the total pipe length is 620m, then we should add 0.6L compressor oil. If >70m, please contact the local qualified serviceman or supplier (If >70m, there is same warning in selection software popping up).

Advanced Technology

Wide voltage operation

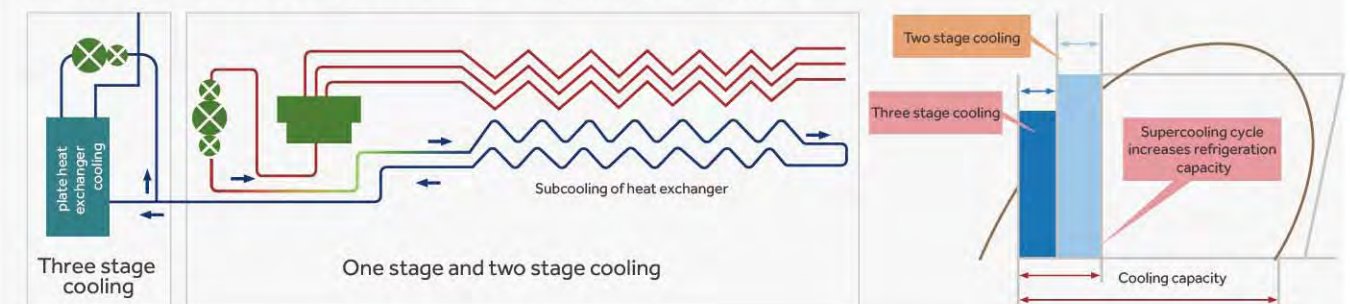
The new MRV 5-C adopt wide voltage filter board, this can insure the unit stable working in voltage range between 310V~460V(note: outdoor unit).



Three stage cooling

Adopt three-stage subcooling cycle technology

- Three-stage subcooling cycle technology, increased unit efficiency by 9%.
- Maximizing 30°C subcooling, increase unit refrigerating capacity by 46%.





One stage cooling

Two stage cooling

Three stage cooling

Advanced Technology

Directly refrigerant cooling PCB

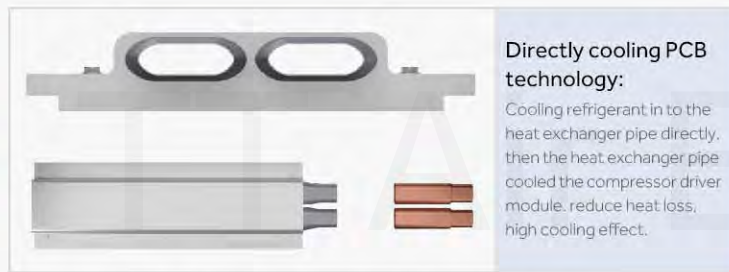
Traditional refrigerant cooling: firstly copper tube cooling fin, then the fin cooling compressor drive module. three layers of heat resistance heat exchange, cause large cold loss.

Haier directly refrigerant cooling:refrigerant directly into the fin interior, the fin cooling compressor drive module, reduce a layer of heat resistance. under the same operating condition, the temperature of the compressor drive module is lowered by 8°C, to ensure that the whole unit can continue to work under the high temperature of 53 °C.

*Integral design, the heat fin and PCB board fit more closely, high cooling efficiency. there will be no condensation, more safety



Competitive refrigerant heat dissipation



Haier direct cooling refrigerant heat dissipation

Directly cooling PCB technology:

Cooling refrigerant in to the heat exchanger pipe directly, then the heat exchanger pipe cooled the compressor driver module. reduce heat loss, high cooling effect.

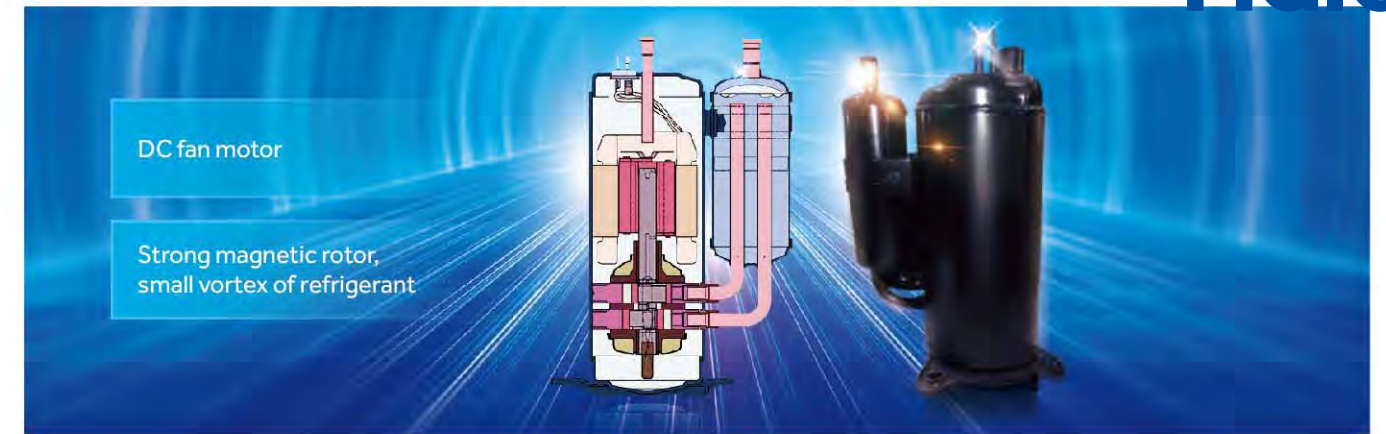
High Efficiency

New one-piece of four-way heat exchanger



DC inverter compressor

- Adopt double rotor compressor, high efficiency in low frequency, bring better seasonal energy efficiency
- The efficient oil separation design of the compressor improves the performance of separating oil and refrigerant.
- The compressor adopts the movement of oil pipe design, increase the oil volume, at the same time also suck the oil at the bottom when lack of oil.
- The compressor adopts steel crankshaft (originally cast iron crankshaft) to increase the hardness and reliability, reduce the noise.



DC fan motor

Strong magnetic rotor, small vortex of refrigerant

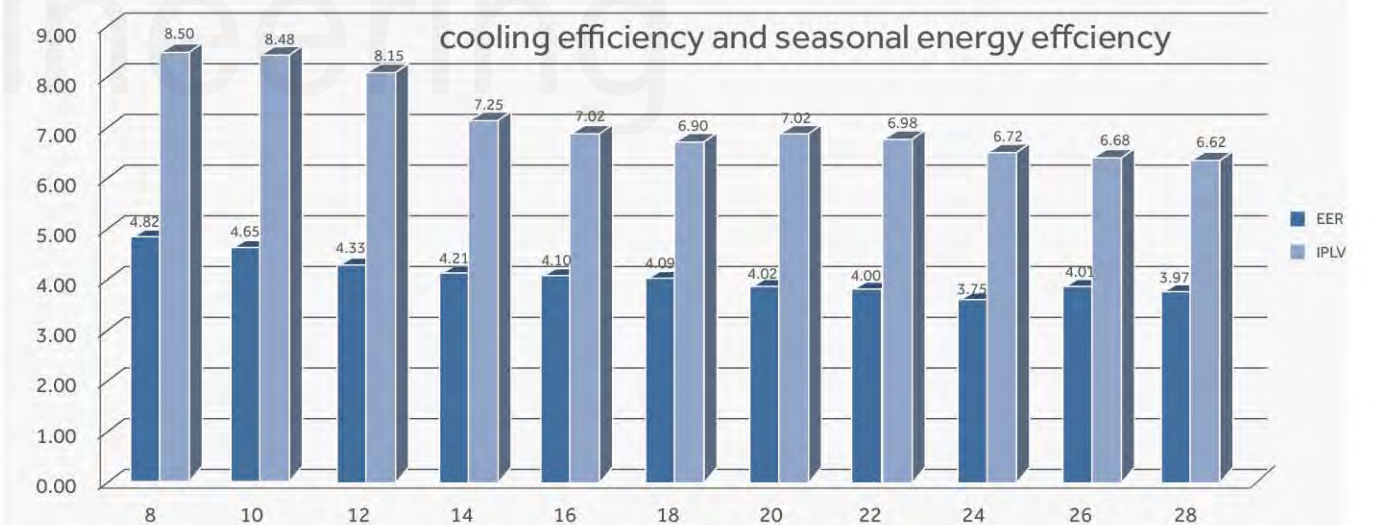
High Efficiency

DC fan motor

Outdoor unit matches efficient variable-speed DC-motor. driven by sine wave, wider efficiency range and torque range, motor efficiency is increased by 17%. Air fan of outdoor unit can achieve 0-91Hz stepless frequency.



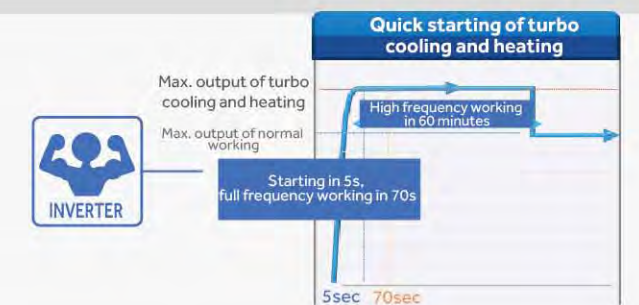
IPLV up to 8.5 (8HP), EER up to 4.82 (8HP)



Super Comfort

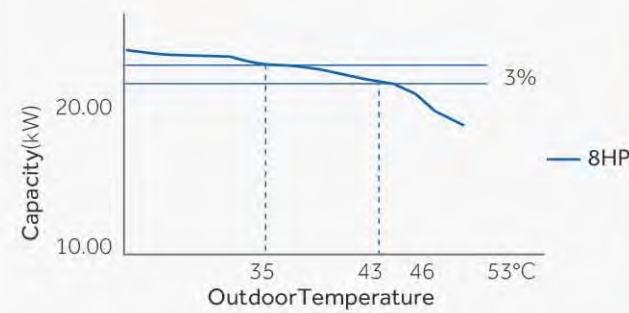
Quick cooling

Start up and reaching maximum output in short time, realize quick cooling.



High temperature performance

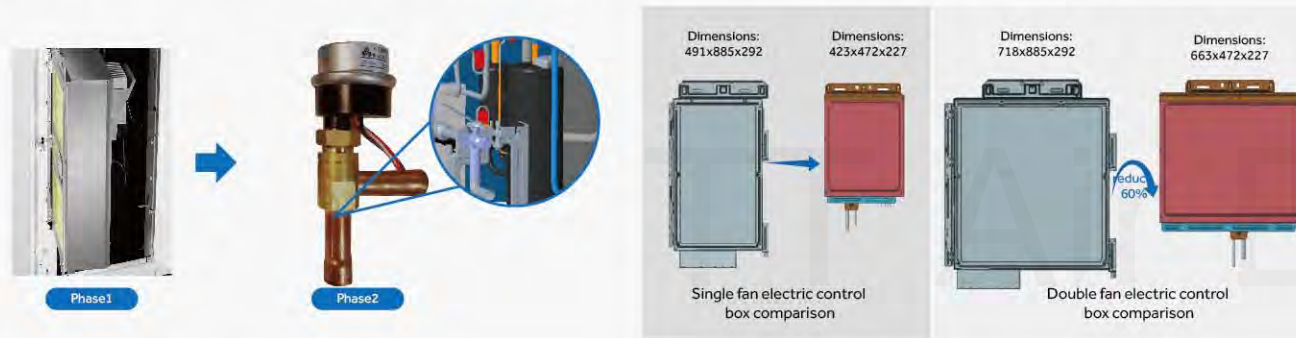
Stable performance in high temperature condition, insure the user comfortable experience. The cooling capacity will be reduced only within 5% under the outdoor working condition of 43°C of the whole series products.



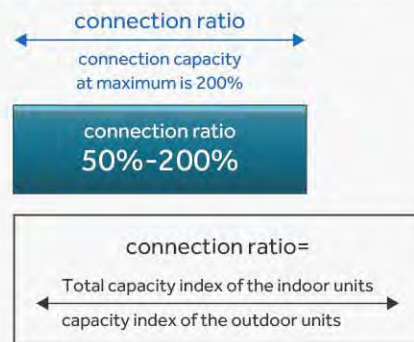
Easy Installation

Compact electric control box design

Compact electric control box design, compared with MRV 5 heat pump, the electric control box volume reduced by 60%, you can maintenance the compressor, stop valve, sensor and other parts only by opening the front panel.



Large connection ratio



Conditions of MRV indoor unit connection capacity(TBD)

| Applicable MRV indoor units | All indoor units |
|-----------------------------|------------------|
| Single outdoor units | 200% |
| Double outdoor units | 150% |
| TRIPle outdoor units | 130% |

Note: If the operational capacity of indoor units is more than 130%, low airflow operation is recommend in all the indoor units.

Smart link

Continues smart link function, easy installation, save labor.



3-way pipe connection

You can freely choose the left, front and bottom way connect the pipe, easy installation.



| Model | | AV08NMVQVA | AV10NMVQVA | AV12NMVQVA | AV14NMVQVA | AV16NMVQVA | AV18NMVQVA |
|-----------------------|---|-------------------|------------------------|-----------------|-----------------|-----------------|-----------------|
| Combination model | | / | / | / | / | / | / |
| | | / | / | / | / | / | / |
| | | / | / | / | / | / | / |
| | | / | / | / | / | / | / |
| Capacity | Capacity range | HP | 8 | 10 | 12 | 14 | 16 |
| | Cooling | kW | 22.4 | 28.0 | 33.5 | 40.0 | 45.0 |
| | Power supply | PhV/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 |
| Electrical Parameters | Cooling | Rated power input | kW | 4.65 | 6.02 | 7.74 | 9.50 |
| | | Max. power input | kW | 11.15 | 11.53 | 12.09 | 15.7 |
| | | Rated current | A | 7.85 | 10.17 | 13.06 | 16.04 |
| | | Max. current | A | 18.20 | 18.91 | 19.74 | 26.62 |
| | EER | | 4.82 | 4.65 | 4.33 | 4.21 | |
| | ISEER | | 8.5 | 8.75 | 8.3 | 7.4 | |
| Performance | Air flow (H) | m³/h | 11000 | 11000 | 12000 | 13500 | |
| | Sound pressure level (H) | dB(A) | 59.0 | 59.0 | 59.0 | 60.0 | |
| | Sound power level (H) | dB(A) | 73.0 | 73.0 | 73.0 | 74.0 | |
| Installation | External dimensions(W/D/H) | mm | 980/750/1690 | | | | |
| | Shipping dimensions(W/D/H) | mm | 1070/850/1858 | | | | |
| | Net/shipping weight | kg | 201/226 | 201/226 | 201/226 | 202/227 | |
| | Compressor type | | DC INV. Twin-Rotary | | | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | | |
| | Compressor quantity | | 1INV | 1INV | 1INV | 1INV | |
| | Refrigerant type | | R410A | R410A | R410A | R410A | |
| | Refrigerant charge | kg | 9 | 9 | 9 | 10 | |
| | Refrigerant liquid pipe | mm | 9.52 | 9.52 | 12.70 | 12.70 | |
| | Refrigerant gas pipe | mm | 19.05 | 22.22 | 25.40 | 25.40 | |
| Connection Ratio | 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 | |
| | Connectable indoor unit ratio | % | 50-200 with limitation | | | | |
| Working Temp. | Maximum number of indoor units | | 20 | 25 | 30 | 36 | |
| | Cooling | °C | -5-53 | | | | |

Cooling Only

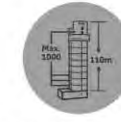


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV20NMVQVA | AV22NMVQVA | AV24NMVQVA | AV26NMVQVA | AV28NMVQVA | AV30NMVQVA | AV32NMVQVA | |
|-----------------------|---|-------------------|------------------------|-----------------|-----------------|------------------------|-----------------|-----------------------------|-----------------|------|
| Combination model | | | / | / | / | / | / | AV14NMVQVA | AV16NMVQVA | |
| | | | / | / | / | / | / | AV16NMVQVA | AV16NMVQVA | |
| | | | / | / | / | / | / | / | / | |
| | | | / | / | / | / | / | / | / | |
| Capacity | Capacity range | HP | 20 | 22 | 24 | 26 | 28 | 30 | 32 | |
| | Cooling | kW | 56.0 | 61.5 | 67.0 | 73.0 | 78.0 | 85.0 | 90.0 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 13.93 | 15.38 | 17.87 | 18.20 | 19.65 | 20.5 | 22.0 |
| | | Max. power input | kW | 33.01 | 33.31 | 33.64 | 33.92 | 34.24 | 34.1 | 36.8 |
| | | Rated current | A | 23.52 | 25.96 | 30.16 | 30.73 | 33.17 | 34.6 | 37.1 |
| | | Max. current | A | 53.55 | 54.21 | 54.70 | 55.23 | 55.7 | 56.9 | 60.6 |
| | EER | | 4.02 | 4.00 | 3.75 | 4.01 | 3.97 | 4.15 | 4.10 | |
| | ISEER | | 7.02 | 6.98 | 6.72 | 6.68 | 6.62 | 7.18 | 7.02 | |
| IPLV | | 7.02 | 6.98 | 6.72 | 6.68 | 6.62 | 7.13 | 7.00 | | |
| Performance | Air flow (H) | m ³ /h | 17000 | 18000 | 19000 | 19000 | 19000 | 13500+13500 | 13500+13500 | |
| | Sound pressure level (H) | dB(A) | 63.0 | 63.0 | 64.0 | 64.0 | 64.0 | 63.5 | 64.0 | |
| | Sound power level (H) | dB(A) | 77.0 | 77.0 | 78.0 | 78.0 | 78.0 | 77.5 | 78.0 | |
| Installation | External dimensions(W/D/H) | mm | 1410/750/1690 | | | 1410/750/1690 | | 980/750/1690+980/750/1690 | | |
| | Shipping dimensions(W/D/H) | mm | 1515/850/1858 | | | 1515/850/1858 | | 1070/850/1858+1070/850/1858 | | |
| | Net/shipping weight | kg | 310/339 | 310/339 | 329/359 | 329/359 | 329/359 | 203/228+220/245 | 220/245+220/245 | |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | DC INV. Twin-Rotary | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | MITSUBISHI ELECTRIC | | |
| | Compressor quantity | | 2INV | 2INV | 2INV | 2INV | 2INV | 1INV+1INV | 1INV+1INV | |
| | Refrigerant type | | R410A | R410A | R410A | R410A | R410A | R410A | R410A | |
| | Refrigerant charge | kg | 10 | 10 | 10 | 10 | 10 | 9+10 | 10+10 | |
| | Refrigerant liquid pipe | mm | 15.88 | 15.88 | 15.88 | 15.88 | 19.05 | 19.05 | 19.05 | |
| | Refrigerant gas pipe | mm | 28.58 | 28.58 | 28.58 | 28.58 | 31.75 | 31.75 | 31.75 | |
| | 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 | % | 50-200 with limitation | | | 50-200 with limitation | | 50-150 with limitation | | |
| | Maximum number of indoor units | | 50 | 55 | 60 | 64 | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | | -5-53 | | | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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)

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.
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.

Cooling Only

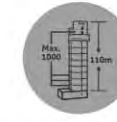


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV34NMVQVA | AV36NMVQVA | AV38NMVQVA | AV40NMVQVA | AV42NMVQVA | AV44NMVQVA | |
|-----------------------|---|-------------------|-----------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-------|
| Combination model | | | AV16NMVQVA | AV18NMVQVA | AV18NMVQVA | AV20NMVQVA | AV20NMVQVA | AV22NMVQVA | |
| | | | AV18NMVQVA | AV18NMVQVA | AV20NMVQVA | AV20NMVQVA | AV22NMVQVA | AV22NMVQVA | |
| | | | / | / | / | / | / | / | |
| | | | / | / | / | / | / | / | |
| Capacity | Capacity range | HP | 34 | 36 | 38 | 40 | 42 | 44 | |
| | Cooling | kW | 95.0 | 100.0 | 106.0 | 112.0 | 117.5 | 123.0 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 23.2 | 24.4 | 26.2 | 27.9 | 29.3 | 30.8 |
| | | Max. power input | kW | 40.3 | 43.7 | 54.9 | 66.0 | 66.3 | 66.6 |
| | | Rated current | A | 39.2 | 41.3 | 44.2 | 47.0 | 49.5 | 51.9 |
| | | Max. current | A | 64.6 | 68.5 | 87.8 | 107.1 | 107.8 | 108.4 |
| | EER | | 4.09 | 4.09 | 4.05 | 4.02 | 4.01 | 4.00 | |
| | ISEER | | 7.11 | 7.20 | 7.09 | 6.99 | 6.96 | 6.93 | |
| | IPLV | | 6.95 | 6.90 | 7.02 | 7.13 | 7.06 | 6.99 | |
| Performance | Air flow (H) | m ³ /h | 13500+13500 | 13500+13500 | 13500+17000 | 17000+17000 | 17000+18000 | 18000+18000 | |
| | Sound pressure level (H) | dB(A) | 64.5 | 65.0 | 65.5 | 66.0 | 66.0 | 66.0 | |
| | Sound power level (H) | dB(A) | 78.5 | 79.0 | 79.5 | 80.0 | 80.0 | 80.0 | |
| Installation | External dimensions(W/D/H) | mm | 980/750/1690+980/750/1690 | | | 980/750/1690+1410/750/1690 | | | |
| | Shipping dimensions(W/D/H) | mm | 1070/850/1858+1515/850/1858 | | | 1515/850/1858+1515/850/1858 | | | |
| | Net/shipping weight | kg | 220/245+224/249 | 224/249+224/249 | 224/249+310/339 | 310/339+310/339 | 310/339+310/339 | 310/339+310/339 | |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | | |
| | Compressor quantity | | 1INV+1INV | 1INV+1INV | 1INV+2INV | 2INV+2INV | 2INV+2INV | 2INV+2INV | |
| | Refrigerant type | | R410A | R410A | R410A | R410A | R410A | R410A | |
| | Refrigerant charge | kg | 10+10 | 10+10 | 10+10 | 10+10 | 10+10 | 10+10 | |
| | Refrigerant liquid pipe | mm | 19.05 | 19.05 | 19.05 | 19.05 | 19.05 | 19.05 | |
| | Refrigerant gas pipe | mm | 31.75 | 38.1 | 38.1 | 38.1 | 38.1 | 38.1 | |
| | Max. total pipe length | m | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| | Max. pipe length(Equivalent/Actual) | m | 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 | |
| | 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 | |
| | Max. drop between I.U *3 | m | 30 | 30 | 30 | 30 | 30 | 30 | |
| | Standard drop between I.U *4 | m | 18 | 18 | 18 | 18 | 18 | 18 | |
| | External static pressure | Pa | 110 | 110 | 110 | 110 | 110 | 110 | |
| Connection Ratio | Connectable indoor unit ratio | % | 50-150 with limitation | | | 50-150 with limitation | | | |
| | Maximum number of indoor units | | 64 | 64 | 64 | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | | -5-53 | | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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)

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.
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.

Cooling Only

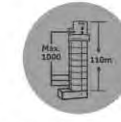


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV46NMVQVA | AV48NMVQVA | AV50NMVQVA | AV52NMVQVA | AV54NMVQVA | AV56NMVQVA | |
|-----------------------|---|-------------------|-----------------------------|-----------------|-----------------|-----------------------------|-----------------|-----------------|-------|
| Combination model | | | AV22NMVQVA | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | |
| | | | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | AV28NMVQVA | |
| | | | / | / | / | / | / | / | |
| | | | / | / | / | / | / | / | |
| Capacity | Capacity range | HP | 46 | 48 | 50 | 52 | 54 | 56 | |
| | Cooling | kW | 128.5 | 134.0 | 140.0 | 146.0 | 151.0 | 156.0 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 33.2 | 35.7 | 36.1 | 36.4 | 37.9 | 39.3 |
| | | Max. power input | kW | 67.0 | 67.3 | 67.6 | 67.8 | 68.2 | 68.5 |
| | | Rated current | A | 56.1 | 60.3 | 60.9 | 61.5 | 63.9 | 66.3 |
| | | Max. current | A | 108.9 | 109.4 | 109.9 | 110.5 | 110.9 | 111.4 |
| | EER | | 3.87 | 3.75 | 3.88 | 4.01 | 3.99 | 3.97 | |
| | ISEER | | 6.81 | 6.69 | 6.67 | 6.65 | 6.62 | 6.60 | |
| | IPLV | | 6.84 | 6.70 | 6.70 | 6.71 | 6.68 | 6.65 | |
| Performance | Air flow (H) | m ³ /h | 18000+19000 | 19000+19000 | 19000+19000 | 19000+19000 | 19000+19000 | 19000+19000 | |
| | Sound pressure level (H) | dB(A) | 66.5 | 67.0 | 67.0 | 67.0 | 67.0 | 67.0 | |
| | Sound power level (H) | dB(A) | 80.5 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | |
| 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 | 1515/850/1858+1515/850/1858 | | | 1515/850/1858+1515/850/1858 | | | |
| | Net/shipping weight | kg | 310/339+329/359 | 329/359+329/359 | 329/359+329/359 | 329/359+329/359 | 329/359+329/359 | 329/359+329/359 | |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | | |
| | Compressor quantity | | 2INV+2INV | 2INV+2INV | 2INV+2INV | 2INV+2INV | 2INV+2INV | 2INV+2INV | |
| | Refrigerant type | | R410A | R410A | R410A | R410A | R410A | R410A | |
| | Refrigerant charge | kg | 10+10 | 10+10 | 10+10 | 10+10 | 10+10 | 10+10 | |
| | Refrigerant liquid pipe | mm | 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 | |
| | Max. total pipe length | m | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| | Max. pipe length(Equivalent/Actual) | m | 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 | |
| | 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 | |
| | Max. drop between I.U *3 | m | 30 | 30 | 30 | 30 | 30 | 30 | |
| | Standard drop between I.U *4 | m | 18 | 18 | 18 | 18 | 18 | 18 | |
| | External static pressure | Pa | 110 | 110 | 110 | 110 | 110 | 110 | |
| Connection Ratio | Connectable indoor unit ratio | % | 50-150 with limitation | | | 50-150 with limitation | | | |
| | Maximum number of indoor units | | 64 | 64 | 64 | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | | -5-53 | | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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. is 35°C DB/24WB; in heating, indoor Temp. is 20°C DB, in heating, outdoor Temp. is 7°C DB/6°CWB)

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.
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.

Cooling Only

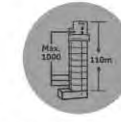


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV58NMVQVA | AV60NMVQVA | AV62NMVQVA | AV64NMVQVA | AV66NMVQVA | AV68NMVQVA | |
|--------------------------|---|-------------------|---|-------------------|-------------------|---|-------------------|-------------------|-------------------------|
| Combination model | | | AV18NMVQVA | AV20NMVQVA | AV20NMVQVA | AV20NMVQVA | AV22NMVQVA | AV22NMVQVA | |
| | | | AV20NMVQVA | AV20NMVQVA | AV20NMVQVA | AV22NMVQVA | AV22NMVQVA | AV22NMVQVA | |
| | | | AV20NMVQVA | AV20NMVQVA | AV22NMVQVA | AV22NMVQVA | AV22NMVQVA | AV24NMVQVA | |
| | | | / | / | / | / | / | / | |
| Capacity | Capacity range | HP | 58 | 60 | 62 | 64 | 66 | 68 | |
| | Cooling | kW | 162.0 | 168.0 | 173.5 | 179.0 | 184.5 | 190.0 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 40.1 | 41.8 | 43.2 | 44.7 | 46.1 | 48.6 |
| | | Max. power input | kW | 87.9 | 99.0 | 99.3 | 99.6 | 99.9 | 100.3 |
| | | Rated current | A | 67.7 | 70.6 | 73.0 | 75.4 | 77.9 | 82.1 |
| | | Max. current | A | 141.4 | 160.7 | 161.3 | 162.0 | 162.6 | 163.1 |
| | EER | | 4.04 | 4.02 | 4.01 | 4.01 | 4.00 | 3.91 | |
| | ISEER | | 7.05 | 6.99 | 6.97 | 6.95 | 6.93 | 6.85 | |
| | IPLV | | 7.06 | 7.13 | 7.08 | 7.04 | 6.99 | 6.89 | |
| Performance | Air flow (H) | m ³ /h | 13500+17000+17000 | 17000+17000+17000 | 17000+17000+18000 | 17000+18000+18000 | 18000+18000+18000 | 18000+18000+19000 | |
| | Sound pressure level (H) | dB(A) | 67.5 | 67.5 | 67.5 | 67.5 | 67.5 | 68.0 | |
| | Sound power level (H) | dB(A) | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 82.0 | |
| Installation | External dimensions(W/D/H) | mm | 980/750/1690+1410/750/1690+1410/750/1690 | | | 1410/750/1690+1410/750/1690+1410/750/1690 | | | |
| | Shipping dimensions(W/D/H) | mm | 1070/850/1858+1515/850/1858+1515/850/1858 | | | 1515/850/1858+1515/850/1858+1515/850/1858 | | | |
| | Net/shipping weight | kg | 224/249+310/339+310/339 | | | 310/339+310/339+310/339 | | | 310/339+310/339+329/359 |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | | |
| | Compressor quantity | | 1INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | |
| | Refrigerant type | | R410A | | | R410A | | | R410A |
| | Refrigerant charge | kg | 10+10+10 | 10+10+10 | 10+10+10 | 10+10+10 | 10+10+10 | 10+10+10 | |
| | Refrigerant liquid pipe | mm | 19.05 | 19.05 | 19.05 | 19.05 | 19.05 | 22.2 | |
| | Refrigerant gas pipe | mm | 41.3 | 41.3 | 41.3 | 41.3 | 41.3 | 44.5 | |
| | Max. total pipe length | m | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| | Max. pipe length(Equivalent/Actual) | m | 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 | |
| | 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 | |
| | Max. drop between I.U *3 | m | 30 | 30 | 30 | 30 | 30 | 30 | |
| | Standard drop between I.U *4 | m | 18 | 18 | 18 | 18 | 18 | 18 | |
| External static pressure | Pa | 110 | 110 | 110 | 110 | 110 | 110 | | |
| Connection Ratio | Connectable indoor unit ratio | % | 50-130 with limitation | | | 50-130 with limitation | | | |
| | Maximum number of indoor units | | 64 | 64 | 64 | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | | -5-53 | | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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, outdoor Temp. is 7°C DB/6°CWB)

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.

Cooling Only

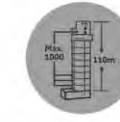


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV70NMVQVA | AV72NMVQVA | AV74NMVQVA | AV76NMVQVA | AV78NMVQVA | AV80NMVQVA | |
|------------------------------|---|-------------------|---|-------------------|-------------------|---|-------------------|-------------------|-------|
| Combination model | | | AV22NMVQVA | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | |
| | | | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | |
| | | | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | |
| | | | / | / | / | / | / | / | |
| Capacity | Capacity range | HP | 70 | 72 | 74 | 76 | 78 | 80 | |
| | Cooling | kW | 195.5 | 201.0 | 207.0 | 213.0 | 219.0 | 224.0 | |
| | Power supply | Ph/V/Hz | 3/380-415/50/60 | | 3/380-415/50/60 | | 3/380-415/50/60 | | |
| Electrical Parameters | Cooling | Rated power input | kW | 51.1 | 53.6 | 53.9 | 54.3 | 54.6 | 56.1 |
| | | Max. power input | kW | 100.6 | 100.9 | 101.2 | 101.5 | 101.8 | 102.1 |
| | | Rated current | A | 86.3 | 90.5 | 91.1 | 91.6 | 92.2 | 94.6 |
| | | Max. current | A | 163.6 | 164.1 | 164.6 | 165.2 | 165.7 | 166.2 |
| | EER | | 3.82 | 3.75 | 3.84 | 3.92 | 4.01 | 4.00 | |
| | ISEER | | 6.77 | 6.69 | 6.68 | 6.66 | 6.65 | 6.63 | |
| | IPLV | | 6.79 | 6.70 | 6.70 | 6.71 | 6.71 | 6.69 | |
| Performance | Air flow (H) | m ³ /h | 18000+19000+19000 | 19000+19000+19000 | 19000+19000+19000 | 19000+19000+19000 | 19000+19000+19000 | 19000+19000+19000 | |
| | Sound pressure level (H) | dB(A) | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | 68.5 | |
| | Sound power level (H) | dB(A) | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | |
| 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 | 1515/850/1858+1515/850/1858+1515/850/1858 | | | 1515/850/1858+1515/850/1858+1515/850/1858 | | | |
| | Net/shipping weight | kg | 310/339+329/359+329/359 | | | 329/359+329/359+329/359 | | | |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | | |
| | Compressor quantity | | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | |
| | Refrigerant type | | R410A | | | R410A | | | |
| | Refrigerant charge | kg | 10+10+10 | 10+10+10 | 10+10+10 | 10+10+10 | 10+10+10 | 10+10+10 | |
| | Refrigerant liquid pipe | mm | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | 22.2 | |
| | Refrigerant gas pipe | mm | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | 44.5 | |
| | Max. total pipe length | m | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | |
| | Max. pipe length(Equivalent/Actual) | m | 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 | |
| | 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 | |
| | Max. drop between I.U *3 | m | 30 | 30 | 30 | 30 | 30 | 30 | |
| Standard drop between I.U *4 | m | 18 | 18 | 18 | 18 | 18 | 18 | | |
| External static pressure | Pa | 110 | 110 | 110 | 110 | 110 | 110 | | |
| Connection Ratio | Connectable indoor unit ratio | % | 50-130 with limitation | | | 50-130 with limitation | | | |
| | Maximum number of indoor units | | 64 | 64 | 64 | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | | -5-53 | | | |

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
* 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)

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.

Cooling Only

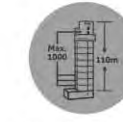


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV82NMVQVA | AV84NMVQVA | AV86NMVQVA | AV88NMVQVA | AV90NMVQVA | |
|--------------------------|---|-------------------|---|-------------------|-------------------------|---|-------------------------|---------------------------------|
| Combination model | | | AV26NMVQVA | AV28NMVQVA | AV20NMVQVA | AV22NMVQVA | AV22NMVQVA | |
| | | | AV28NMVQVA | AV28NMVQVA | AV22NMVQVA | AV22NMVQVA | AV22NMVQVA | |
| | | | AV28NMVQVA | AV28NMVQVA | AV22NMVQVA | AV22NMVQVA | AV22NMVQVA | |
| | | | / | / | AV22NMVQVA | AV22NMVQVA | AV24NMVQVA | |
| Capacity | Capacity range | HP | 82 | 84 | 86 | 88 | 90 | |
| | Cooling | kW | 229.0 | 234.0 | 240.5 | 246.0 | 251.5 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 57.5 | 58.9 | 60.1 | 61.5 | 64.0 |
| | | Max. power input | kW | 102.4 | 102.7 | 132.9 | 133.2 | 133.6 |
| | | Rated current | A | 97.1 | 99.5 | 101.4 | 103.8 | 108.0 |
| | | Max. current | A | 166.6 | 167.1 | 216.2 | 216.8 | 217.3 |
| | EER | | 3.98 | 3.97 | 4.00 | 4.00 | 3.93 | |
| | ISEER | | 6.61 | 6.60 | 6.95 | 6.93 | 6.87 | |
| | IPLV | | 6.67 | 6.65 | 7.03 | 6.99 | 6.91 | |
| Performance | Air flow (H) | m ³ /h | 19000+19000+19000 | 19000+19000+19000 | 17000+18000+18000+18000 | 18000+18000+18000+18000 | 18000+18000+18000+19000 | |
| | Sound pressure level (H) | dB(A) | 68.5 | 68.5 | 69.0 | 69.0 | 69.0 | |
| | Sound power level (H) | dB(A) | 82.5 | 82.5 | 82.5 | 82.5 | 83.0 | |
| 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 | | |
| | Shipping dimensions(W/D/H) | mm | 1515/850/1858+1515/850/1858+1515/850/1858 | | | 1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858 | | |
| | Net/shipping weight | kg | 329/359+329/359+329/359 | | | 310/339+310/339+310/339+310/339 | | 310/339+310/339+310/339+329/359 |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | |
| | Compressor quantity | | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV | 2INV+2INV+2INV+2INV | | |
| | Refrigerant type | | R410A | R410A | R410A | R410A | R410A | |
| | Refrigerant charge | kg | 10+10+10 | 10+10+10 | 10+10+10+10 | 10+10+10+10 | 10+10+10+10 | |
| | Refrigerant liquid pipe | mm | 22.2 | 22.2 | 25.4 | 25.4 | 25.4 | |
| | Refrigerant gas pipe | mm | 44.5 | 44.5 | 50.8 | 50.8 | 50.8 | |
| | Max. total pipe length | m | 1000 | 1000 | 1000 | 1000 | 1000 | |
| | Max. pipe length(Equivalent/Actual) | m | 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 | |
| | Standard drop between I.U.&O.U (O.U up/down) *2 | m | 50/40 | 50/40 | 50/40 | 50/40 | 50/40 | |
| | Max. drop between I.U *3 | m | 30 | 30 | 30 | 30 | 30 | |
| | Standard drop between I.U *4 | m | 18 | 18 | 18 | 18 | 18 | |
| External static pressure | Pa | 110 | 110 | 110 | 110 | 110 | | |
| Connection Ratio | Connectable indoor unit ratio | % | 50-130 with limitation | | | 50-130 with limitation | | |
| | Maximum number of indoor units | | 64 | 64 | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | | -5-53 | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. & O.U *2
Standard design and production in the factory.
Max. drop between I.U. *3
Standard design and production in the factory.
Max. drop between I.U. *4
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. is 35°C DB/24WB; In heating, Indoor Temp. is 20°C DB; In heating, outdoor Temp. is 7°C DB/6°CWB)

Cooling Only

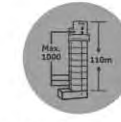


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV92NMVQVA | AV94NMVQVA | AV96NMVQVA | AV98NMVQVA | AV100NMVQVA | |
|------------------------------|---|-------------------|---|---------------------------------|---|---------------------------------|-------------------------|-------|
| Combination model | | | AV22NMVQVA | AV22NMVQVA | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | |
| | | | AV22NMVQVA | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | |
| | | | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | |
| | | | AV24NMVQVA | AV24NMVQVA | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | |
| Capacity | Capacity range | HP | 92 | 94 | 96 | 98 | 100 | |
| | Cooling | kW | 257.0 | 262.5 | 268.0 | 274.0 | 280.0 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 66.5 | 69.0 | 71.5 | 71.8 | 72.1 |
| | | Max. power input | kW | 133.9 | 134.2 | 134.6 | 134.8 | 135.1 |
| | | Rated current | A | 112.2 | 116.4 | 120.7 | 121.2 | 121.8 |
| | | Max. current | A | 217.8 | 218.3 | 218.8 | 219.3 | 219.9 |
| | EER | | 3.87 | 3.81 | 3.75 | 3.82 | 3.88 | |
| | ISEER | | 6.81 | 6.75 | 6.69 | 6.68 | 6.67 | |
| | IPLV | | 6.84 | 6.77 | 6.70 | 6.70 | 6.70 | |
| Performance | Air flow (H) | m ³ /h | 18000+18000+19000+19000 | 18000+19000+19000+19000 | 19000+19000+19000+19000 | 19000+19000+19000+19000 | 19000+19000+19000+19000 | |
| | Sound pressure level (H) | dB(A) | 69.5 | 69.5 | 70.0 | 70.0 | 70.0 | |
| | Sound power level (H) | dB(A) | 83.5 | 83.5 | 84.0 | 84.0 | 84.0 | |
| 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 | | | |
| | Shipping dimensions(W/D/H) | mm | 1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858 | | 1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858 | | | |
| | Net/shipping weight | kg | 310/339+310/339+329/359+329/359 | 310/339+329/359+329/359+329/359 | | 329/359+329/359+329/359+329/359 | | |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | |
| | Compressor quantity | | 2INV+2INV+2INV+2INV | | | 2INV+2INV+2INV+2INV | | |
| | Refrigerant type | | R410A | | R410A | R410A | R410A | |
| | Refrigerant charge | kg | 10+10+10+10 | | 10+10+10+10 | 10+10+10+10 | 10+10+10+10 | |
| | Refrigerant liquid pipe | mm | 25.4 | | 25.4 | 25.4 | 25.4 | |
| | Refrigerant gas pipe | mm | 50.8 | | 50.8 | 50.8 | 54.1 | |
| | 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 with limitation | | | 50-130 with limitation | | |
| | Maximum number of indoor units | | 64 | | 64 | 64 | 64 | |
| Working Temp. | Cooling | °C | -5-53 | | -5-53 | | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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. is 35°C DB/24WB, in heating, indoor Temp. is 20°C DB, in heating, outdoor Temp. is 7°C DB/6°CWB)

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.

Cooling Only

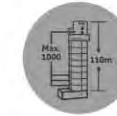


AV08NMVQVA
AV10NMVQVA
AV12NMVQVA
AV14NMVQVA
AV16NMVQVA
AV18NMVQVA



AV20NMVQVA
AV22NMVQVA
AV24NMVQVA
AV26NMVQVA
AV28NMVQVA

3/380~415/50/60



Total Pipe Length 1000m,
Height Drop 110m



Space Saving



Auto Addressing
Indoor Units



Better Cooling Capacity

| Model | | | AV102NMVQVA | AV104NMVQVA | AV106NMVQVA | AV108NMVQVA | AV110NMVQVA | AV112NMVQVA | |
|--------------------------|---|-------------------|---|-------------------------|-------------------------|---|-------------------------|-------------------------|-------|
| Combination model | | | AV24NMVQVA | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | |
| | | | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | AV28NMVQVA | |
| | | | AV26NMVQVA | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | AV28NMVQVA | AV28NMVQVA | |
| | | | AV26NMVQVA | AV26NMVQVA | AV28NMVQVA | AV28NMVQVA | AV28NMVQVA | AV28NMVQVA | |
| Capacity | Capacity range | HP | 102 | 104 | 106 | 108 | 110 | 112 | |
| | Cooling | kW | 286.0 | 292.0 | 297.0 | 302.0 | 307.0 | 312.0 | |
| | 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 | |
| Electrical Parameters | Cooling | Rated power input | kW | 72.5 | 72.8 | 74.3 | 75.7 | 77.1 | 78.6 |
| | | Max. power input | kW | 135.4 | 135.7 | 136.0 | 136.3 | 136.6 | 137.0 |
| | | Rated current | A | 122.4 | 122.9 | 125.4 | 127.8 | 130.2 | 132.7 |
| | | Max. current | A | 220.4 | 220.9 | 221.4 | 221.9 | 222.3 | 222.8 |
| | EER | | 3.95 | 4.01 | 4.00 | 3.99 | 3.98 | 3.97 | |
| | ISEER | | 6.66 | 6.65 | 6.64 | 6.62 | 6.61 | 6.60 | |
| IPLV | | 6.71 | 6.71 | 6.69 | 6.68 | 6.67 | 6.65 | | |
| Performance | Air flow (H) | m ³ /h | 19000+19000+19000+19000 | 19000+19000+19000+19000 | 19000+19000+19000+19000 | 19000+19000+19000+19000 | 19000+19000+19000+19000 | 19000+19000+19000+19000 | |
| | Sound pressure level (H) | dB(A) | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | 70.0 | |
| | Sound power level (H) | dB(A) | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | |
| 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 | | | |
| | Shipping dimensions(W/D/H) | mm | 1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858 | | | 1515/850/1858+1515/850/1858+1515/850/1858+1515/850/1858 | | | |
| | Net/shipping weight | kg | 329/359+329/359+329/359+329/359 | | | 329/359+329/359+329/359+329/359 | | | |
| | Compressor type | | DC INV. Twin-Rotary | | | DC INV. Twin-Rotary | | | |
| | Compressor brand | | MITSUBISHI ELECTRIC | | | MITSUBISHI ELECTRIC | | | |
| | Compressor quantity | | 2INV+2INV+2INV+2INV | | | 2INV+2INV+2INV+2INV | | | |
| | Refrigerant type | | R410A | | | R410A | | | |
| | Refrigerant charge | kg | 10+10+10+10 | | | 10+10+10+10 | | | |
| | Refrigerant liquid pipe | mm | 25.4 | | | 25.4 | | | |
| | Refrigerant gas pipe | mm | 54.1 | | | 54.1 | | | |
| | Max. total pipe length | m | 1000 | | | 1000 | | | |
| | Max. pipe length(Equivalent/Actual) | m | 260/220 | | | 260/220 | | | |
| | Max. drop between I.U.&O.U (O.U down/up) *1 | m | 110/90 | | | 110/90 | | | |
| | Standard drop between I.U.&O.U (O.U up/down) *2 | m | 50/40 | | | 50/40 | | | |
| | Max. drop between I.U *3 | m | 30 | | | 30 | | | |
| | Standard drop between I.U *4 | m | 18 | | | 18 | | | |
| External static pressure | Pa | 110 | | | 110 | | | | |
| Connection Ratio | Connectable indoor unit ratio | % | 50-130 with limitation | | | 50-130 with limitation | | | |
| | Maximum number of indoor units | | 64 | | | 64 | | | |
| Working Temp. | Cooling | °C | -5~53 | | | -5~53 | | | |

Max. drop between I.U.&O.U *1
Standard design and production in the factory.
Max. drop between I.U. *3
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)

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.