B-V200WN1(AU) 202311

# MDV-V200WN1(AU)
# R410A Mini VRF

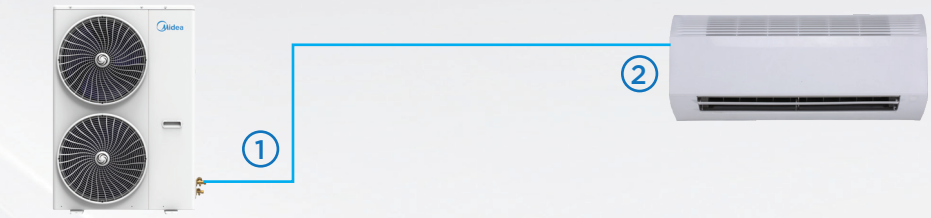

DISCOVER
RELIABLE COMFORT

2024

## All Flare* Connections, The Easiest VRF to Install

The system uses all flare connection which can greatly simplify installation. The multiple branch header with 1 to 2,3,4,5 or 6 options further simplify installation.

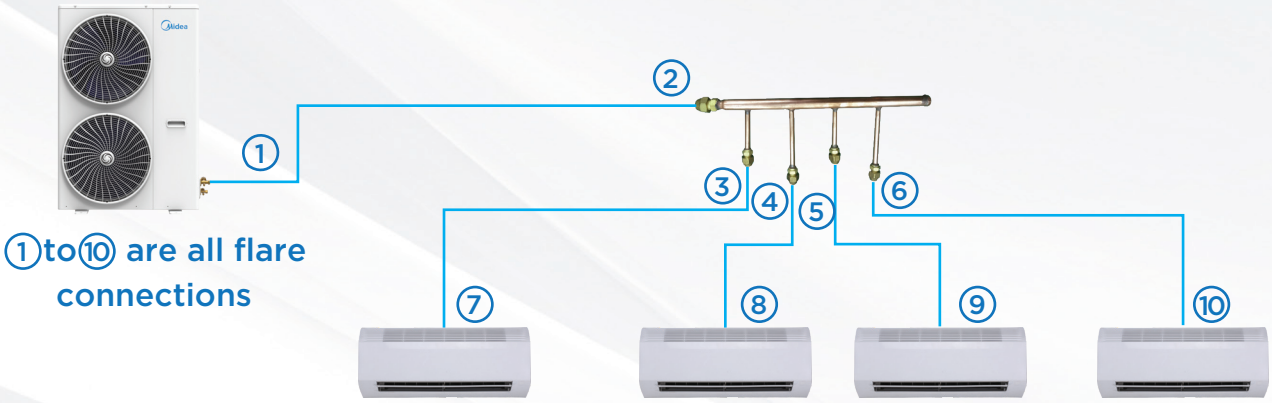
### A single outdoor unit supports 1 indoor unit




**①to② are all flare connections**

Note: Only MIH80GN18 indoor unit can be connected.

### A single outdoor unit supports 4 indoor units




**①to⑩ are all flare connections**

Note:
*Reused flared branch joints are not permitted for indoor use..

## 1 to 12 Indoor Units Connection

A single outdoor unit supports 1 to 12* indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units.


*The combination ratio of indoor units and outdoor unit does not exceed 130%.

## Less Required Space for Mini VRF Installation

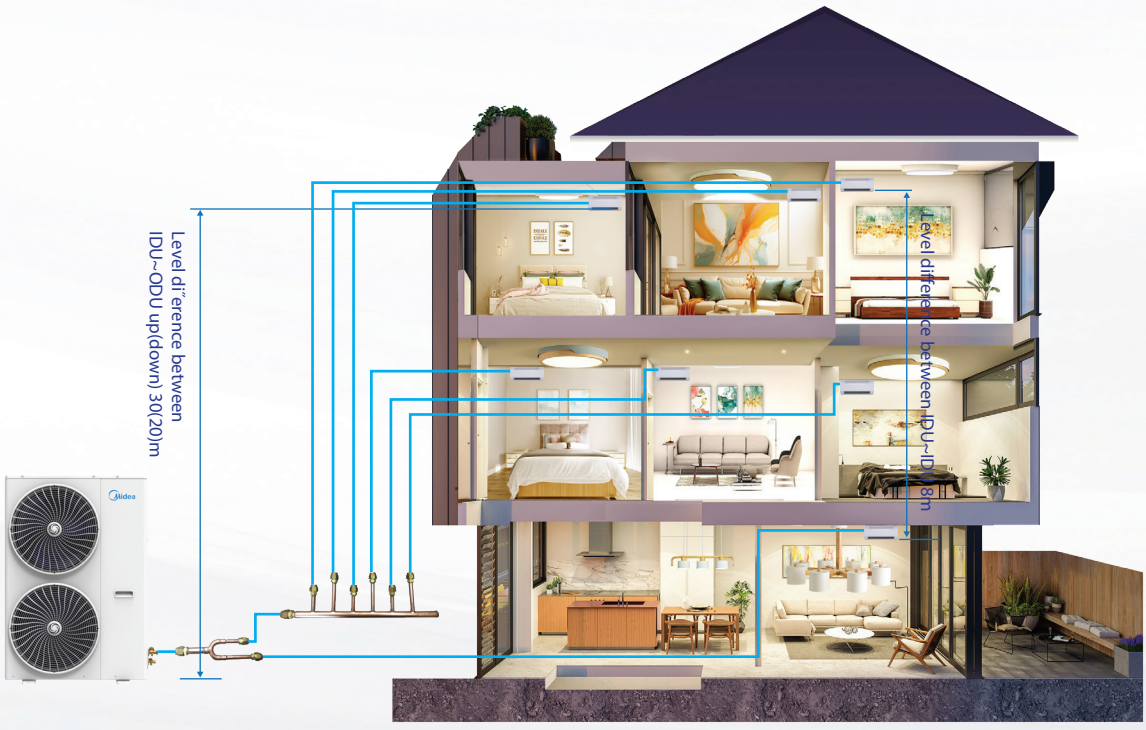
Mini VRF use flare connections instead of welding, which facilitates owners a lot to save their cost for installation, as well as avoid health hazard by welding such as strip-lighting or extra-high temperature.


Comparing with multi split, Mini VRF has some distinctive advantages as follows:

- ◆ less pipe space requirement
- ◆ Less pipe consumption
- ◆ No special requirement for pipe holes
- ◆ keep your house neat and tidy.

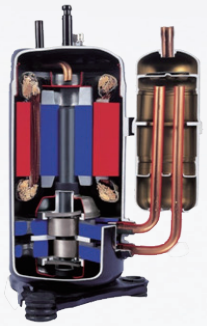
## Longer Piping Capability

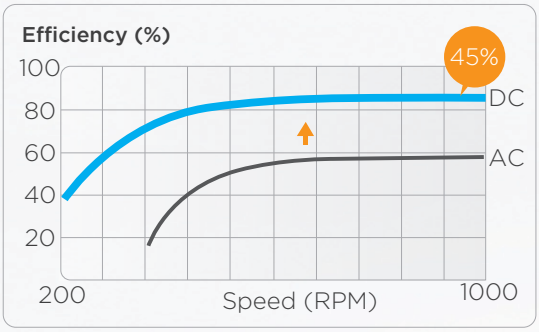
The Mini VRF provides a total piping length possibility of 80m, a maximum height difference between outdoor and indoor units of 30m. These generous allowances facilitate an extensive array of system designs.

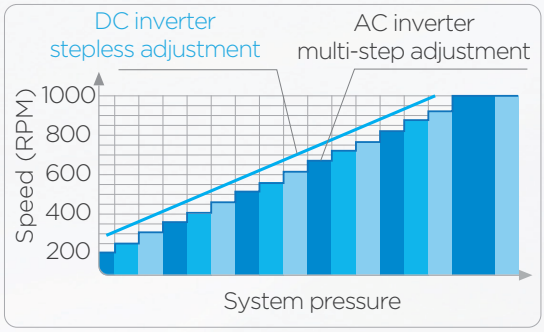


## Full DC Inverter Technology

The Mini VRF uses full DC inverter compressor and fan motor to achieve high precision stepless speed adjustment according to system operation, and ensures that the system is always in optimum condition, operating more efficiently, more consistently and with less noise.

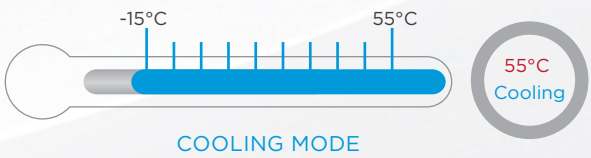





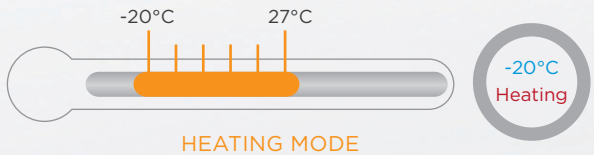




## Wide Operation Range

Mini VRF can operate in a wide ambient temperature range. It can operate stably from -15°C up to 55°C in cooling mode and from -20°C to 27°C in heating mode.



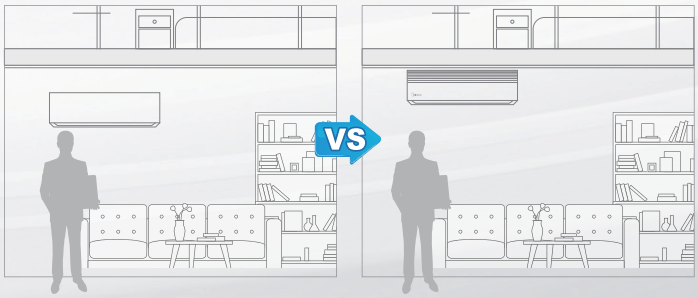

COOLING MODE




HEATING MODE

## Ceiling Mounting

The Wall Mounted new heat exchanger is designed to meet the installation requirements close to the ceiling, and the minimum distance from the ceiling is 3cm.

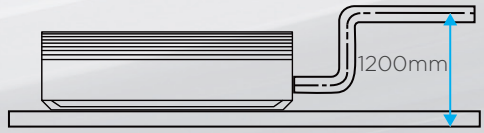



There is some distance from ceiling

The distance from the ceiling is 3cm

## High-lift drain pump

A drain pump with a 1200mm raise height is fitted as customized, simplifying installation of the drain piping.




*The drain pump is available as a customization option.

# Specifications

## Outdoor unit

| Model | | | MDV-V200WN1(AU) |
|---|---|---|---|
| Power supply | | V/N/Hz | 220-240/1/50 |
| Heating[1] | Capacity | kW | 21.0 |
| | Power input | kW | 5.0 |
| Cooling[2] | Capacity | kW | 15.5 |
| | Power input | kW | 4.0 |
| Connected indoor unit | Total capacity | | 60-130% of outdoor unit capacity[4] |
| | Maximum quantity | | 12 |
| Ambient temp. operation range | Cooling | °C | -15-55 |
| | Heating | °C | -20-27 |
| Sound pressure level(cooling/heating)[3] | | dB(A) | 59/59 |
| Refrigerant | Type | | R410A |
| | Charge | Kg | 4.4 |
| pipe size | Liquid | mm | 9 |
| | Gas | mm | 19 |
| | Max. height difference | m | 30(ODU up) |
| | | m | 20(ODU down) |
| | Max. piping length | m | 80 |
| Net dimension(W*H*D) | | mm | 902×1327×320 |
| Packing dimension(W*H*D) | | mm | 1082X1406X434 |
| Net/Gross weight | | kg | 103/111 |

Notes:
1. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Sound level: Anechoic chamber conversion value, measured at a point 1 m in front of the unit at a height of 1m.
   During actual operation, these values are normally somewhat higher as a result of ambient conditions.
4. 60-130% is system combination ratio, combination ratio=Sum of capacity indexes of the indoor units/Capacity index of the outdoor units
   *The above data may be changed without notice for future improvement on quality and performance.

## Indoor unit

| Model | | | MIH13GN18-A | MIH22GN18-A | MIH22GHN18 | MIH28GHN18 | MIH36GHN18 |
|---|---|---|---|---|---|---|---|
| Power supply | | | 1phase, 220-240V,50Hz | | 1phase, 220-240V,50/60Hz | | |
| Cooling[1] | Capacity | kW | 1.3 | 2.2 | 2.2 | 2.8 | 3.6 |
| | Power input | W | 24 | 24 | 21 | 24 | 27 |
| Heating[2] | Capacity | kW | 1.5 | 2.4 | 2.4 | 3.2 | 4 |
| | Power input | W | 24 | 24 | 21 | 24 | 27 |
| Pipe connections | Liquid | mm | Φ6.35 | Φ6.35 | Φ6.35 | Φ6.35 | Φ6.35 |
| | Gas | mm | Φ12.7 | Φ12.7 | Φ12.7 | Φ12.7 | Φ12.7 |
| Net dimension (W×H×D) | | mm | 750×295×265 | 750×295×265 | 750×295×265 | 750×295×265 | 750×295×265 |
| Packing dimension (W×H×D) | | mm | 875×385×360 | 875×385×360 | 875×385×360 | 875×385×360 | 875×385×360 |
| Net/Gross weight | | kg | 10/12.5 | 10/12.5 | 10/12.5 | 10/12.5 | 10/12.5 |

| Model | | | MIH45GHN18 | MIH56GHN18 | MIH71GHN18 | MIH80GHN18 |
|---|---|---|---|---|---|---|
| Power supply | | | 1phase, 220-240V,50/60Hz | | | |
| Cooling[1] | Capacity | kW | 4.5 | 5.6 | 7.1 | 8 |
| | Power input | W | 30 | 40 | 50 | 65 |
| Heating[2] | Capacity | kW | 5 | 6.3 | 8 | 9 |
| | Power input | W | 30 | 40 | 50 | 65 |
| Pipe connections | Liquid | mm | Φ6.35 | Φ6.35 | Φ9.52 | Φ9.52 |
| | Gas | mm | Φ12.7 | Φ12.7 | Φ15.9 | Φ15.9 |
| Net dimension (W×H×D) | | mm | 950×295×265 | 950×295×265 | 1200×295×265 | 1200×295×265 |
| Packing dimension (W×H×D) | | mm | 1075×385×360 | 1075×385×360 | 1315×385×360 | 1315×385×360 |
| Net/Gross weight | | kg | 11.5/14 | 11.5/14 | 15/18 | 15/18 |

Notes:
1. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
3. The dimension is only the body size, excluding the size of the installation lug, connecting copper pipe, etc.

# Victorian Energy Upgrades (VEU) Program

The Victorian Energy Upgrades (VEU) program assists households and businesses to reduce their energy bills and greenhouse gas emissions by providing financial incentives to install energy efficient equipment and appliances.
Midea has a suite of high efficiency products to suit all upgrade categories which attract the highest incentives in each program. We are proudly introducing to our range the Mini VRF series, which thanks to our labs advanced technology, are more energy efficient systems that will be further reducing carbon emissions while increasing financial savings through the incentives to the Victorian community.

For more information on the program please visit following website
VIC https://www.esc.vic.gov.au/victorian-energy-upgrades/about-victorian-energy-upgrades-program

| VEU Climatic Region | Heating capacity(kW) | Cooling capacity(kW) | VEECs(res)** | | |
|---|---|---|---|---|---|
| | | | 2023* | 2024* | 2025* |
| For upgrades in Metropolitan Victoria-Climatic region mild | 21 | 15.5 | 77 | 80 | 84 |
| For upgrades in Metropolitan Victoria-Climatic region cold | 21 | 15.5 | 84 | 88 | 92 |
| For upgrades in Regional Victoria-Climatic region mild | 21 | 15.5 | 77 | 80 | 84 |
| For upgrades in Regional Victoria-Climatic region cold | 21 | 15.5 | 84 | 88 | 92 |
| For upgrades in Regional Victoria-Climatic region hot | 21 | 15.5 | 47 | 48 | 50 |

*All certificates have been calculated for the dates between the 1st February of that year to January 31 of the following year.
*Residential VEECS certificates have been submitted to the VEU and waiting for final approval.
**VEEC data was calculated base on activity scenatio 6 (VII )of activity 6 (23) -space heating and cooling-high efficiency air conditioner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