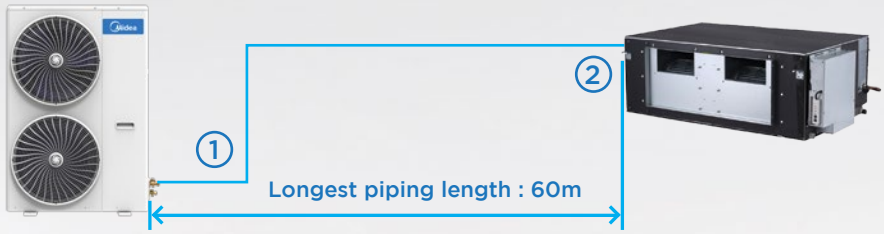
MDV-V230WN1(AU)
R410A Mini VRF

DISCOVER
RELIABLE COMFORT

All Flare* Connections, The Easiest VRF to Install

The system uses all flare connection which can greatly simplify installation.

A single outdoor unit supports 1 indoor unit

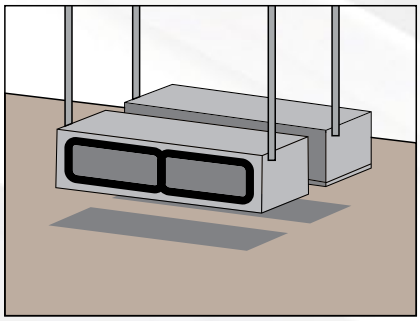


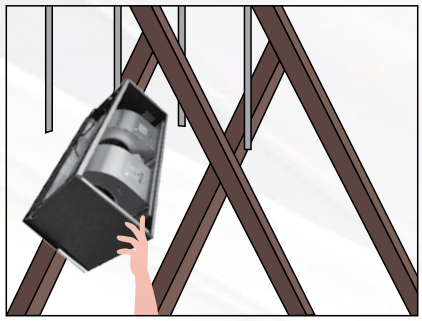
①to② are all flare connections

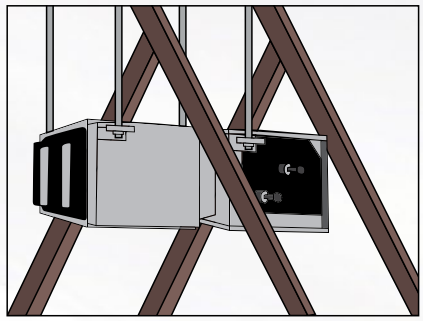
Note: Only MI2-230T1DHN1(AU) indoor unit can be connected.

Installation of Duct in Sections

High Static Pressure Duct units support installation in sections, reducing the weight and size of individual units for easy handling and installation.

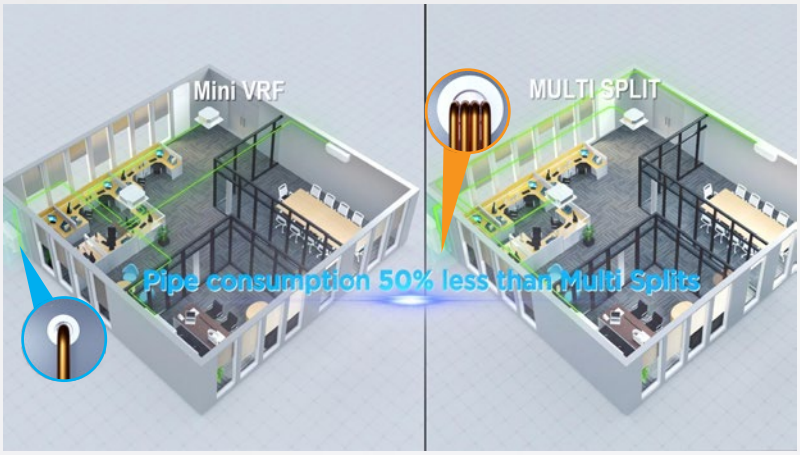






Less Required Space for Mini VRF Installation

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.



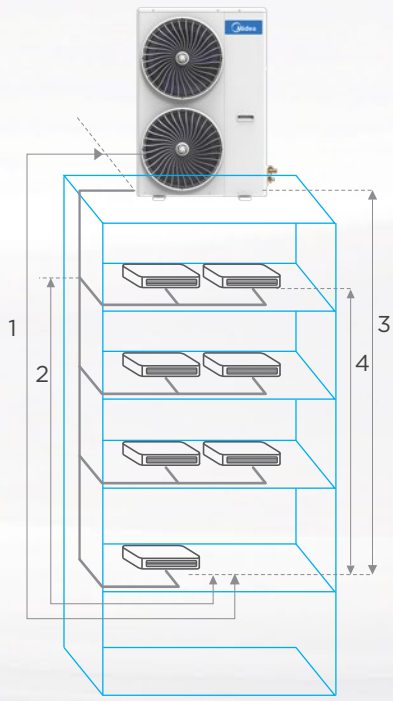
Comparing with multi split, Mini VRF has some distinctive advantages as follows:

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

Longer Piping Capability

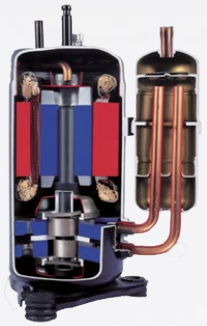
The Mini VRF provides a total piping length possibility of 200m, a maximum height difference between outdoor and indoor units of 20m. These generous allowances facilitate an extensive array of system designs.

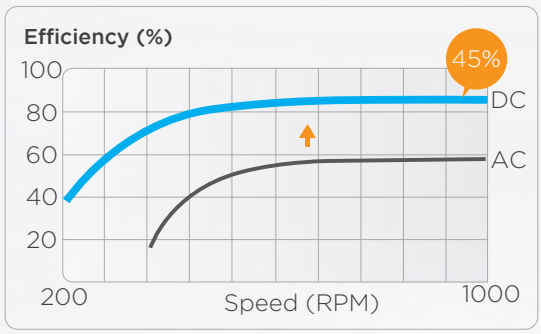
Piping length / Height difference		Capability (m)
Total piping length		200
1. Longest piping length	Actual	80
	Equivalent	90
2. Longest piping length after first branch		20
3. Largest level difference between IDUs and ODU	ODU up	30
	ODU down	20
4. Largest level difference between IDUs		8

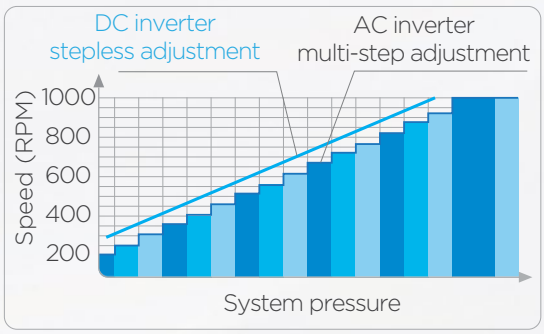


Full DC Inverter Technology

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.

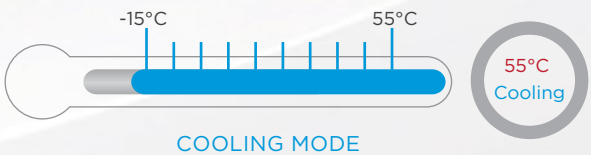




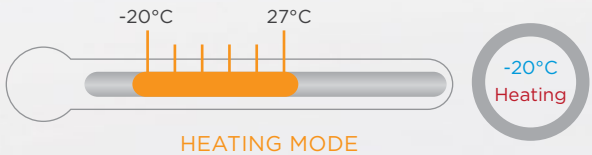


Wide Operation Range

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



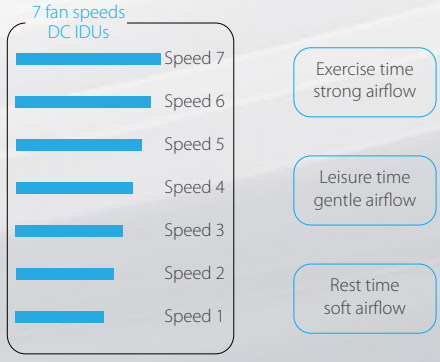
HEATING MODE

Static Pressure 20 Steps Control

Depending on the installation environment, Duct is controlled the static pressure up to 20 steps via wired remote controller, for providing comfortable environment suitable for any environment.

Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options to meet the needs of different indoor conditions.



Specifications

Outdoor unit

Model			MDV-V230WN1(AU)
Power supply		V/N/Hz	220-240/1/50
Heating	Capacity	kW	23.0
	Power input	kW	5.28
Cooling	Capacity	kW	19.5
	Power input	kW	5.6
Connected indoor unit	Total capacity		60-130% of outdoor unit capacity
	Maximum quantity		12
Ambient temp. operation range	Cooling	°C	-15-55
	Heating	°C	-20-27
Sound pressure level(cooling/heating)		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

High Static Pressure Duct

Model			MIH200T1HN18
Power supply			1phase, 220-240V,50/60Hz
Cooling[1]	Capacity	kW	20
Heating[2]	Capacity	kW	22.5
Net dimension (W×H×D)		mm	1300×580×900
Packing dimension (W×H×D)		mm	1530×730×1060
Net/Gross weight		kg	125/150

Notes:
1. 1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
4. 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)**	
			2024*	2025*
For upgrades in Metropolitan Victoria-Climatic region mild	23	19.5	85	89
For upgrades in Metropolitan Victoria-Climatic region cold	23	19.5	93	98
For upgrades in Regional Victoria-Climatic region mild	23	19.5	85	89
For upgrades in Regional Victoria-Climatic region cold	23	19.5	93	98
For upgrades in Regional Victoria-Climatic region hot	23	19.5	49	51

*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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