



راهنمای جامع سیستم‌های پیشرفته VRF سری V6 میدیا

Midea V6 VRV

گلزاران
روی خوشنود زندگی



VRF V6 Series Heat Pump



Indoor Units
VRF indoor units



Fresh Air Processing Unit
100% fresh air supply



Ventilation
Heat recovery ventilator (HRV)



AHU Connection Kit
Connect to Midea or third party DX AHU



Control Systems
Smart control systems



Optimized design for small to large buildings

- ◆ META Technology
- ◆ Zen Air Technology
- ◆ Doctor M Technology
- ◆ Enhanced Vapor Injection (EVI) Compressor
- ◆ Triple Configurations
- ◆ High Efficiency G-Shape Heat Exchanger
- ◆ ESP up to 120Pa
- ◆ Plate Heat (PHE) Subcooling
- ◆ Precise Oil Control Technology
- ◆ Multi Silent Modes
- ◆ Duty Cycling
- ◆ Backup Operation
- ◆ UL Anti-Corrosion Certificate
- ◆ Refrigerant Cooling PCB
- ◆ Auto Snow-blowing Function
- ◆ Dust-clean Function
- ◆ Multi-Functional Diagnosis Box
- ◆ Automatic Refrigerant Detecting/Charging/Recycling



Wide Capacity Range

Starting at 8HP, capacity increases in 2HP increments up to 96HP, which is the world's largest single-system VRF capacity.

8/10/12HP
(with single fan)



16-64HP



14/16HP
(with single fan)



18/20/22HP
(with dual fans)



24-96HP



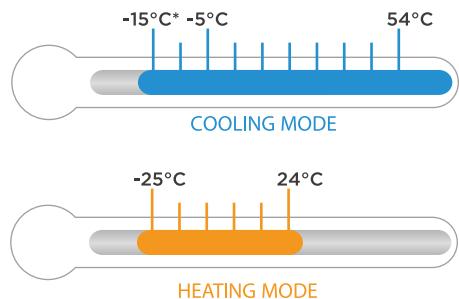
24/26/28/30/32HP
(with dual fans)



Wide Operating Temperature Range

The V6 VRF can operate stably in a wide ambient temperature range : from -5°C (-15°C*) to 54°C in cooling mode and from -25°C to 24°C in heating mode.

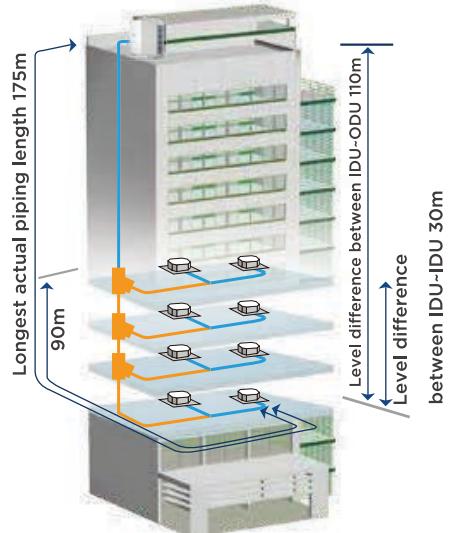
* Cooling operation at -15°C is available as a customization option.



Long Piping Capability

Piping length	Capability (m)
Total piping length	1000
Longest piping length-actual (equivalent)	175 (200)
Longest piping length after first branch	40/90*
Largest level difference between IDUs and ODU-ODU up (down)	90 (110)
Largest level difference between IDUs	30

*The longest length after first branch is 40m as standard but can be extended to up to 90m under certain conditions. Please contact your local dealer for further information.





VRF V6 Series - Heat pump

415V,3N,50(60)Hz

Capacity	HP	8	10	12	14
Model		MV6-252WV2GN1	MV6-280WV2GN1	MV6-335WV2GN1	MV6-400WV2GN1
Power supply	V/N/Hz			380-415/3/50(60)	
Cooling ¹	Capacity	kW kBtu/h	25.2 86.0	28.0 95.5	33.5 114.3
(Nominal)	Power input	kW	5.3	6.3	8.7
	EER	kW/kW	4.75	4.45	3.85
Heating ²	Capacity	kW kBtu/h	25.2 86.0	28.0 95.5	33.5 114.3
(Nominal)	Power input	kW	4.6	5.2	6.6
	COP	kW/kW	5.50	5.40	5.10
Heating ²	Capacity	kW kBtu/h	27.0 92.1	31.5 107.5	37.5 128.0
(Max)	Power input	kW	5.16	6.10	7.88
	COP	kW/kW	5.23	5.16	4.76
Connectable	Total capacity		50-130% of outdoor unit capacity		
Indoor Unit	Max. quantity	13	16	20	23
Compressors	Type		DC inverter		
	Quantity		1		
Fan motors	Type		DC		
	Quantity		1		
Refrigerant	Max. ESP	Pa	20 default; up to 80 customization option	20 default; up to 120 customization option	
	Type		R410A		
Pipe connections ³	Factory charge	kg	11		13
	Liquid pipe	mm	Φ12.7	Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4	Φ28.6	Φ31.8
Airflow rate	m ³ /h		11000		13000
Sound pressure level ⁴	dB(A)		58		60
Net dimensions (WxHxD)	mm		990×1635×790		1340×1635×850
Packed dimensions (WxHxD)	mm		1090×1805×860		1405×1805×910
Net weight	kg		227		277
Gross weight	kg		242		304
Operating temperature range	Cooling	°C	-5 to 54		
	Heating	°C	-25 to 24		

Capacity	HP	16	18	20	22
Model		MV6-450WV2GN1	MV6-500WV2GN1	MV6-560WV2GN1	MV6-615WV2GN1
Power supply	V/N/Hz			380-415/3/50(60)	
Cooling ¹	Capacity	kW kBtu/h	45.0 153.5	50.0 170.6	56.0 191.1
(Nominal)	Power input	kW	12.0	12.5	15.1
	EER	kW/kW	3.75	4.00	3.70
Heating ²	Capacity	kW kBtu/h	45.0 153.5	50.0 170.6	56.0 191.1
(Nominal)	Power input	kW	9.8	10.6	12.7
	COP	kW/kW	4.60	4.70	4.40
Heating ²	Capacity	kW kBtu/h	50.0 170.6	56.0 191.1	63.0 215.0
(Max)	Power input	kW	11.76	12.84	15.29
	COP	kW/kW	4.25	4.36	4.12
Connectable	Total capacity		50-130% of outdoor unit capacity		
Indoor Unit	Max. quantity	26	29	33	36
Compressors	Type		DC inverter		
	Quantity	1		2	
Fan motors	Type		DC		
	Quantity	1		2	
Refrigerant	Max. ESP	Pa	20 default; up to 120 customization option		
	Type		R410A		
Pipe connections ³	Factory charge	kg	13		17
	Liquid pipe	mm	Φ15.9		Φ19.1
	Gas pipe	mm	Φ31.8		Φ31.8
Airflow rate	m ³ /h		13000		17000
Sound pressure level ⁴	dB(A)		61	62	63
Net dimensions (WxHxD)	mm	1340×1635×850		1340×1635×825	
Packed dimensions (WxHxD)	mm			1405×1805×910	
Net weight	kg	277		348	
Gross weight	kg	304		368	
Operating temperature range	Cooling	°C	-5 to 54		
	Heating	°C	-25 to 24		

Notes:

(1) Indoor temperature: 26.7°CDB, 19.4°CWB; outdoor temperature: 35°CDB; EN 14511:2018.

(2) Indoor temperature: 29°CDB, 19°CWB; outdoor temperature: 46°CDB; ISO 15042:2011. As per ESMA.

(3) Indoor temperature: 20°CDB; outdoor temperature: 7°CDB, 6°CWB; based on Eurovent testing.

(4) Diameters given are those of the unit's stop valves.

(5) Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.



VRF V6 Series - Heat pump

415V,3N,50(60)Hz

Capacity	HP	24	26	28
Model		MV6-670WV2GN1	MV6-730WV2GN1	MV6-785WV2GN1
Power supply	V/N/Hz		380-415/3/50(60)	
Cooling ¹	Capacity	kW	67.0	73.0
		kBtu/h	228.6	249.1
	Power input	kW	18.1	20.9
	EER	kW/kW	3.70	3.49
Heating ² (Nominal)	Capacity	kW	67.0	73.0
		kBtu/h	228.6	249.1
	Power input	kW	14.9	17.6
	COP	kW/kW	4.50	4.15
Heating ² (Max)	Capacity	kW	75.0	81.5
		kBtu/h	255.9	278.1
	Power input	kW	18.07	21.01
	COP	kW/kW	4.15	3.88
Connectable	Total capacity		50-130% of outdoor unit capacity	
Indoor Unit	Max. quantity	39	43	46
Compressors	Type		DC inverter	
	Quantity		2	
Fan motors	Type		DC	
	Quantity		2	
	Max. ESP	Pa	20 default; up to 120 customization option	
Refrigerant	Type		R410A	
	Factory charge	kg	22	
Pipe	Liquid pipe	mm	Φ19.1	Φ22.2
connections ³	Gas pipe	mm	Φ31.8	Φ31.8
Airflow rate	m ³ /h		25000	
Sound pressure level ⁴	dB(A)		64	
Net dimensions (WxHxD)	mm		1730×1830×850	
Packed dimensions (WxHxD)	mm		1800×2000×910	
Net weight	kg		430	
Gross weight	kg		453	
Operating temperature range	Cooling	°C	-5 to 54	
	Heating	°C	-25 to 24	

Capacity	HP	30	32	
Model		MV6-850WV2GN1	MV6-900WV2GN1	
Power supply	V/N/Hz		380-415/3/50(60)	
Cooling ¹	Capacity	kW	85.0	
		kBtu/h	290.0	
	Power input	kW	27.4	
	EER	kW/kW	3.10	
Heating ² (Nominal)	Capacity	kW	85.0	
		kBtu/h	290.0	
	Power input	kW	23.0	
	COP	kW/kW	3.70	
Heating ² (Max)	Capacity	kW	95.0	
		kBtu/h	324.1	
	Power input	kW	27.78	
	COP	kW/kW	3.42	
Connectable	Total capacity		50-130% of outdoor unit capacity	
Indoor Unit	Max. quantity	50	53	
Compressors	Type		DC inverter	
	Quantity		2	
Fan motors	Type		DC	
	Quantity		2	
	Max. ESP	Pa	20 default; up to 120 customization option	
Refrigerant	Type		R410A	
	Factory charge	kg	25	
Pipe	Liquid pipe	mm	Φ22.2	
connections ³	Gas pipe	mm	Φ38.1	
Airflow rate	m ³ /h		24000	
Sound pressure level ⁴	dB(A)		64	
Net dimensions (WxHxD)	mm		1730×1830×850	
Packed dimensions (WxHxD)	mm		1800×2000×910	
Net weight	kg		475	
Gross weight	kg		507	
Operating temperature range	Cooling	°C	-5 to 54	
	Heating	°C	-25 to 24	

Notes:

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. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.



Mini VRF Series Heat Pump



Indoor Units
VRF indoor units



Ventilation
Heat recovery ventilator (HRV)



AHU Connection Kit
Connect to Midea or third party DX AHU



Control Systems
Smart control systems

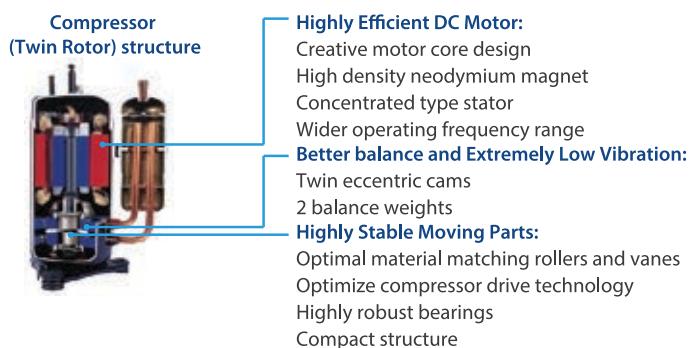


Optimized design for small buildings

- ◆ Two Options: Standard and Mini C Series
- ◆ Capacity Up to 18kw
- ◆ Connectable Indoor Units Quantity up to 9
- ◆ Refrigerant Cooling PCB (Available for Mini C Series Only)
- ◆ Precise Oil Control Technology
- ◆ Advanced Silence Technology
- ◆ Compact, Easy Installation

Inverter Compressor

Inverter compressor makes the output of the outdoor unit to be modulated by the cooling or heating demands of the zone that it controls. This advanced system ensures precise temperature regulation and highly efficient energy usage, making a significant contribution to the limiting the impact on the environment.





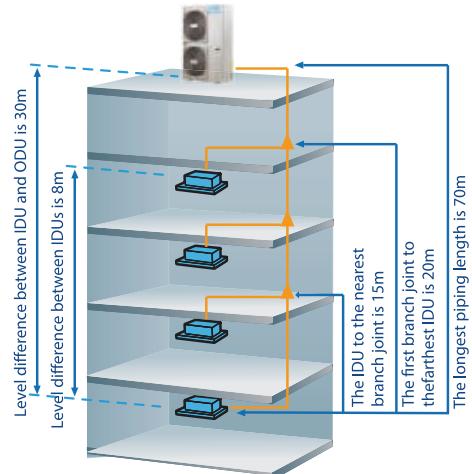
Wide Capacity Range

Mini VRF has two options, standard series and Mini C series. For standard series, it has 4 models from 12kW to 18kW. For Mini C series, it has 5 models from 8kW to 16kW. The Mini VRF is perfect for commercial and residential applications: small offices, villas, apartments, shops, etc.

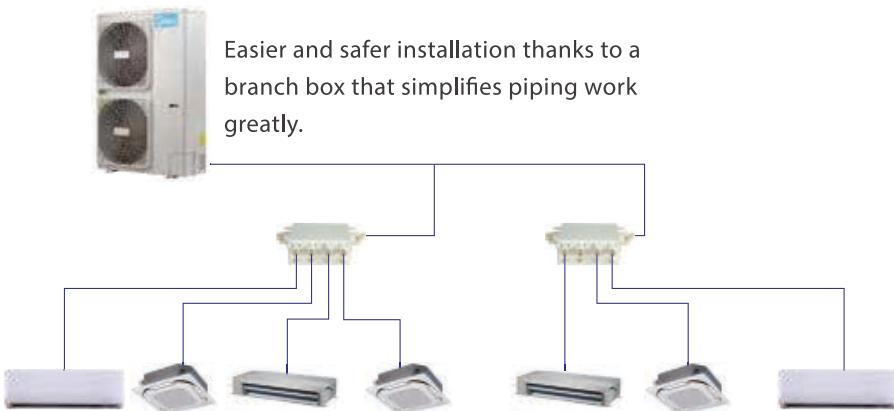
Mini C series			Standard series
8kW	10-12kW	14-16kW	12-18kW

Long Piping Capability

Piping length	Capability (m)			
	Mini C series			Standard series
	8kW	10-12kW	14-16kW	12-18kW
Total piping length	50	65	100	100
Longest piping length-actual (equivalent)	35 (40)	45 (50)	60 (70)	60 (70)
Longest piping length after first branch	20	20	20	20
Longest piping length after nearest branch	15	15	15	15
Largest level difference between IDUs and ODU-ODU up (down)	10 (10)	20 (20)	30 (20)	30 (20)
Largest level difference between IDUs	8	8	8	8



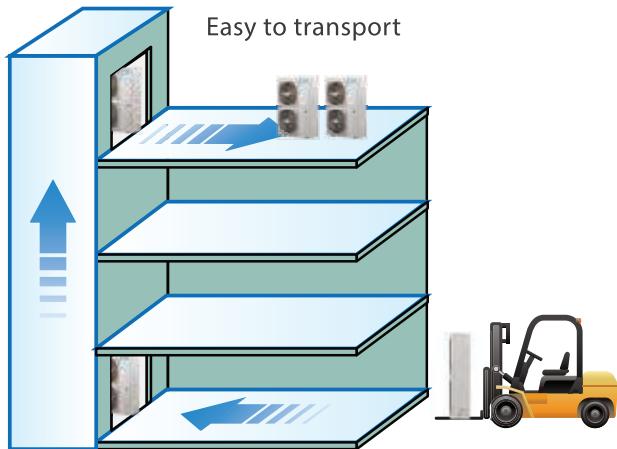
More Convenient Piping Connector – Branch Box





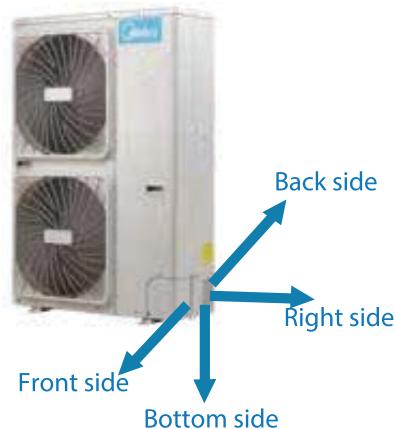
Easy Installation

The mini VRF can be transported by elevator which makes installation dramatically easy, and effectively reduces time and labor thanks to the small size.



Four-Way Piping Connection

A four-direction space is available for connecting pipes and wiring in various installation sites.



Mini VRF (Mini C series) - Heat Pump

240V, 1N, 50(60)Hz

HP	3	4	4.5	
Model	MDV-V80W/DHN1(C)	MDV-V100W/DHN1(C)	MDV-V120W/DHN1(C)	
Power supply	V/N/Hz	220-240/1/ 50(60)		
Cooling ¹	Capacity kW	8.0	10.0	
	kBtu/h	27.3	34.1	
	Power input kW	2	2.55	
	EER	4	3.92	
Heating ²	Capacity kW	9.0	12.0	
	kBtu/h	30.7	40.9	
	Power input kW	1.95	2.97	
	COP	4.62	4.04	
Connectable indoor unit	Total capacity	45~130% of outdoor unit capacity		
indoor unit	Max. quantity	4	6	7
Compressor	Type	DC inverter		
	Quantity	1		
Fan motor	Type	DC		
	Quantity	1		
Refrigerant	Type	R410A		
	Factory charge kg	2.2	2.35	3
Pipe connections ³	Liquid pipe mm	Φ9.53		
	Gas pipe mm	Φ15.9		
Airflow rate	m ³ /h	3700	5200	5000
Sound pressure level	dB(A)	54	54	56
Net dimensions (WxHxD)	mm	982×712×440	950×840×426	
Packed dimensions (WxHxD)	mm	1048×810×485	1025×950×510	
Net weight	kg	53	71.5	83
Gross weight	kg	57.5	81	92
Operating temperature range	°C	Cooling: -5~55, Heating: -15~27		



Mini VRF (Mini C series) - Heat Pump 240V, 1N, 50(60)Hz

HP		5		6	
Model		MDV-V140W/DHN1(C)		MDV-V160W/DHN1(C)	
Power supply		V/N/Hz		220-240/1/ 50(60)	
Cooling ¹	Capacity	kW	14.0	15.5	
		kBtu/h	47.8	52.9	
	Power input	kW	3.75	4.8	
	EER		3.73	3.23	
Heating ²	Capacity	kW	16.0	18.0	
		kBtu/h	54.6	61.4	
	Power input	kW	3.85	4.65	
	COP		4.16	3.87	
Connectable indoor unit	Total capacity		45~130% of outdoor unit capacity		
	Max. quantity		8	9	
Compressor	Type		DC inverter		
	Quantity		1		
Fan motor	Type		DC		
	Quantity		1		
Refrigerant	Type		R410A		
	Factory charge	kg	3.4	3.8	
Pipe connections ³	Liquid pipe	mm	Φ9.53	Φ9.53	
	Gas pipe	mm	Φ15.9	Φ19.1	
Airflow rate	m ³ /h		5400	5200	
Sound pressure level	dB(A)		56	56	
Net dimensions (W×H×D)	mm		1040×865×523		
Packed dimensions (W×H×D)	mm		1120×980×560		
Net weight	kg		90.4	94.4	
Gross weight	kg		100.4	104.4	
Operating temperature range	°C		Cooling: -5~55, Heating: -15~27		

Mini VRF (Standard Series) - Heat Pump 415V, 3N, 50Hz

HP		4.5		5		6		6.5	
Model		MDV-V120W/DRN1		MDV-V140W/DRN1		MDV-V160W/DRN1		MDV-V180W/DRN1	
Power supply		V/N/Hz		380-415/3/50					
Cooling ¹	Capacity	kW	12.3	14	15.5	17.5			
	Power input	kW	3.25	3.95	4.52	5.3			
	EER		3.78	3.54	3.43	3.3			
Heating ²	Capacity	kW	13.2	15.4	17	19			
	Power input	kW	3.47	4.16	4.77	5			
	COP		3.8	3.7	3.56	3.8			
Connectable indoor unit	Total capacity		45~130% of outdoor unit capacity						
	Max. quantity	6	6	7	9				
Compressor	Type		DC inverter						
	Quantity		1						
Fan motor	Type		DC						
	Quantity		2						
Refrigerant	Type		R410A						
	Factory charge	kg	3.3	3.9	3.9	4.5			
Pipe connections	Liquid pipe	mm	Φ9.53						
	Gas pipe	mm	Φ15.9			Φ19.1			
Airflow rate	m ³ /h		6000			6800			
Sound pressure level ³	dB(A)		57			59			
Net dimensions (W×H×D)	mm		900×1327×400						
Packed dimensions (W×H×D)	mm		1030×1456×435						
Net weight	kg		95	102	107				
Gross weight	kg		106	113	118				
Operating temperature range	°C		Cooling: -15~43; Heating: -15~27						

Notes:

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 at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.



Compact Four-way Cassette VRF Indoor Units

Optional wireless remote controller



RM12F

Optional wired controller



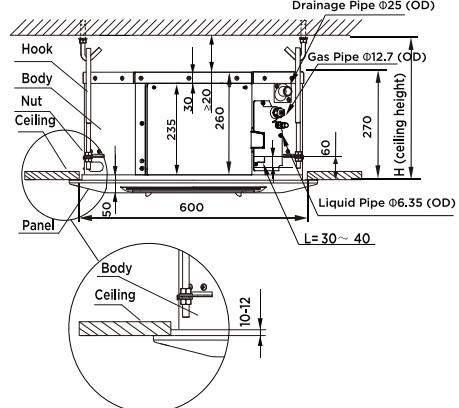
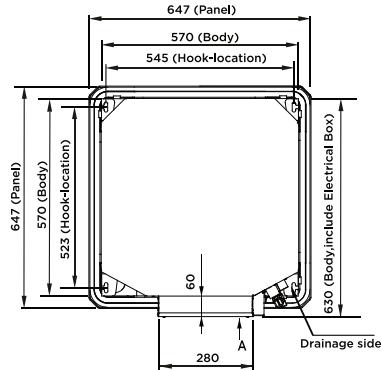
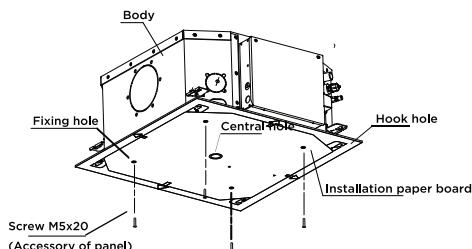
WDC-86E/K



Features

- ◆ 5 models from 1.5~4.5kW
- ◆ 360° airflow allows for even, wide-range cooling and heating
- ◆ 5-step swing louver, making the air flow direction control more precisely
- ◆ Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control
- ◆ Indoor unit displays can be shut off at night, creating a better environment for rest
- ◆ The buzzer sound of the indoor unit can be turned off to create a quieter environment
- ◆ Auto restart function is standard, which can also be canceled through the controller
- ◆ Bi-directional communication wired controller can query the indoor and outdoor units' parameters, and also can set the indoor units' parameters
- ◆ Drain pump with 500mm pump head fitted as standard

Installation dimensions (unit:mm)





Specification

Model	MDV-D15Q4/N1-A3(B)	MDV-D22Q4/N1-A3(B)	MDV-D28Q4/N1-A3(B)	MDV-D36Q4/N1-A3(B)	MDV-D45Q4/N1-A3(B)
Power supply					
Cooling	Capacity kW	1.5	2.2	2.8	3.6
	Input W	36	50	50	56
Heating	Capacity kW	1.7	2.4	3.2	4
	Input W	36	50	50	56
Indoor fan motor	Type		AC		
	Quantity		1		
Refrigerant type					
Indoor air flow (H/M/L)	m³/h	400/283/208	414/313/238	414/313/238	521/409/314
Sound pressure level (H/M/L)	dB(A)	35/33/23	36/33/23	36/33/23	42/36/29
Indoor unit	Dimension (WxHxD)	mm	570×260×630		
	Packing (WxHxD)	mm	675×285×675		
	Net/Gross weight	kg	17/20	17/20	18.5/21.5
Panel	Dimension (WxHxD)	mm	647×50×647		
	Packing (WxHxD)	mm	715×123×715		
	Net/Gross weight	kg	2.5/4.5		
Pipe connections	Liquid pipe	mm	Φ6.35		
	Gas pipe	mm	Φ12.7		
	Drain pipe	mm	ODΦ25		

Notes:

1 Nominal capacity are based on the following conditions:

- Cooling: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Heating: indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

2 Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.





Four-way Cassette VRF Indoor Units

Optional wireless
remote controller



RM12F

Optional
wired controller



WDC-86E/K



New design, round air flow path



360° round flow, even air distribution

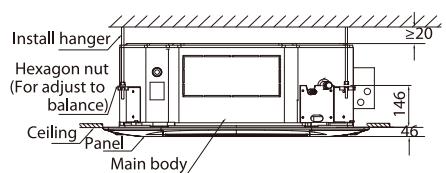
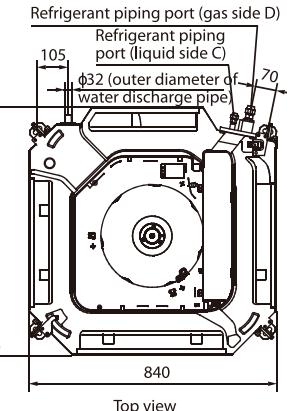
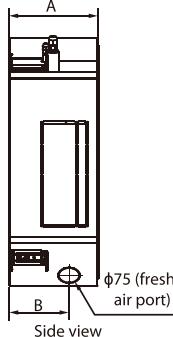
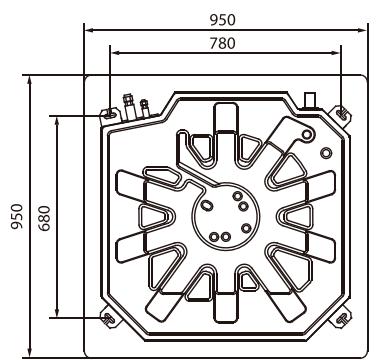


Features

- ◆ 10 models from 2.8~14kW
- ◆ 360° air discharge ensures uniform air flow and temperature distribution
- ◆ Individual louver control to maximally satisfy customer requirement (optional function)
- ◆ In comfort mode, supply air against the ceiling to create windless environment, more comfort
- ◆ 5-step swing louver, making the air flow direction control more precisely
- ◆ Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control
- ◆ Indoor unit displays can be shut off at night, creating a better environment for rest
- ◆ The buzzer sound of the indoor unit can be turned off to create a quieter environment
- ◆ Auto restart function is standard, which can also be canceled through the controller
- ◆ Bi-directional communication wired controller can query the indoor and outdoor units' parameters, and also can set the indoor units' parameters
- ◆ High-lift drain pump with 750mm pump head



Installation dimensions (unit:mm)



Model	A (mm)	B (mm)	C (mm)	D (mm)
2.8-4.5kW	230	126	Φ6.35	Φ12.7
5.6-8.0kW	230	126	Φ9.53	Φ15.9
9.0-14.0kW	300	197	Φ9.53	Φ15.9

Specification

Model	MDV-D80Q4/N1-E(B)	MDV-D90Q4/N1-E(B)	MDV-D100Q4/N1-E(B)	MDV-D112Q4/N1-E(B)	MDV-D140Q4/N1-E(B)
Power supply					
Cooling	Capacity kW	8	9	10	11.2
	Power input W	110	140	165	176
Heating	Capacity kW	9	10	11.1	12.5
	Power input W	110	140	165	176
Indoor fan motor	Type			AC	
	Quantity			1	
Refrigerant type			R410A		
Indoor air flow (H/M/L)	m³/h	1200/1021/789	1332/1129/908	1651/1304/1127	1651/1304/1127
Sound pressure level (H/M/L)	dB(A)	42/39/37	43/39/38	45/42/40	46/41/39
Indoor unit	Dimension (WxHxD)	mm	840×230×840	840×300×840	
	Packing (WxHxD)	mm	955×260×955	955×330×955	
	Net/Gross weight	kg	23.7/28.9	28.7/34.1	28.7/34.1
Panel	Dimension (WxHxD)	mm		950×50×950	
	Packing (WxHxD)	mm		1035×89×1035	
	Net/Gross weight	kg		5.8/7.9	
Pipe connections	Liquid pipe	mm		Φ9.53	
	Gas pipe	mm		Φ15.9	
	Drain pipe	mm		ODΦ32	

Model	MDV-D56Q4/N1-E(B)	MDV-D71Q4/N1-E(B)	
Power supply			
	1 phase, 220-240V, 50Hz		
Cooling	Capacity kW	5.6	7.1
	Power input W	88	88
Heating	Capacity kW	6.3	8
	Power input W	88	88
Indoor fan motor	Type	AC	
	Quantity	1	
Refrigerant type		R410A	
Indoor air flow (H/M/L)	m³/h	905/740//651	950/767//663
Sound pressure level (H/M/L)	dB(A)	36/34/33	38/36/35
Indoor unit	Dimension (WxHxD)	mm	840×230×840
	Packing (WxHxD)	mm	955×260×955
	Net/Gross weight	kg	23.7/28.9
Panel	Dimension (WxHxD)	mm	950×50×950
	Packing (WxHxD)	mm	1035×89×1035
	Net/Gross weight	kg	5.8/7.9
Pipe connections	Liquid pipe	mm	Φ9.53
	Gas pipe	mm	Φ15.9
	Drain pipe	mm	ODΦ32

Notes:

1 Nominal capacity are based on the following conditions:

- Cooling: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

- Heating: indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

2 Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.





One-way Cassette VRF Indoor Units

Optional wireless remote controller

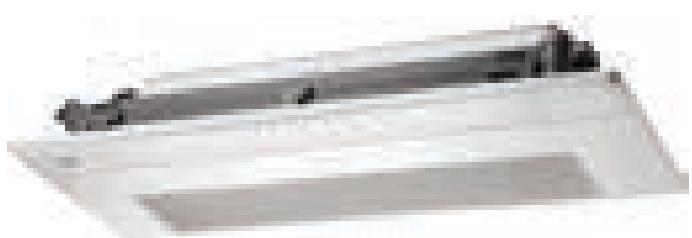


RM12F

Optional wired controller



WDC-86E/K



Meeting corner location requirements and at the same time maintaining the required visual appearance.

Key Features

One-way Cassette

Comfort	Quiet operation	•
	0.5°C/1°C setting temperature adjustment	•
	Digital display on/off	•
	Buzzer sound on/off	•
Health	Fresh air intake	• (45 to 71)
	Dirty filters indicator signal	•
Ari flow	Multiple fan speeds	3+auto
	Multiple steps vertical swing	5+auto
Easy installation	Minimized height	•
	High-lift drain pump	Rated head1200mm Raise height750mm

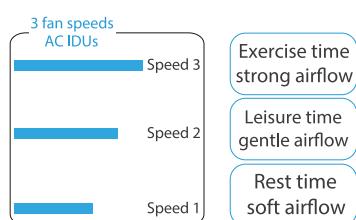
Note:

•: equipped as standard

AIR FLOW

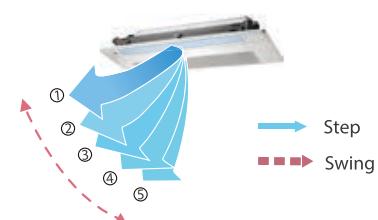
Multiple Fan Speeds

Comes with 3 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.

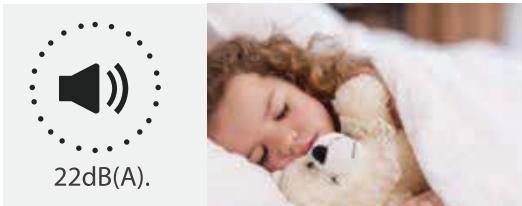




COMFORT

Quiet Operation

The One-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 22dB(A).



Digital Display On/Off

Indoor unit displays can be shut off at night, creating a better environment for rest.



HEALTH

Fresh Air Intake

A reserved outside air intake port allows outdoor fresh air to be introduced directly into the unit, negating the need for a separate ventilation system.



EASY INSTALLATION

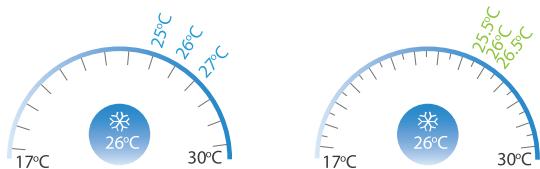
Easy Installation

The slim, compact design make the One-way Cassette ideal for interiors with limited ceiling space. Models 18 to 36 are just 153mm high whilst models 45 to 71 are 189mm high.



0.5°C/1°C Setting Temperature Adjustment

Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control.



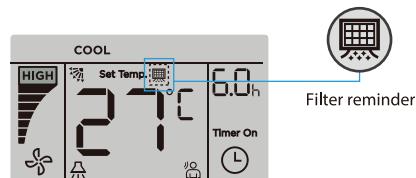
Buzzer Sound On/Off

Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



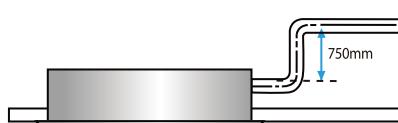
Dirty Filters Indicator Signal

The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



High-lift Drain Pump

A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.





Specifications 50Hz Series

Power supply									
1 phase, 220-240V, 50Hz									
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Input	W	41	41	41	41	48	48	60
Heating ²	Capacity	kW	2.2	2.6	3.2	4	5	6.3	8
	Input	W	41	41	41	41	48	48	60
Indoor fan motor	Type				AC				
	Quantity				1				
Airflow rate(H/M/L)		m ³ /h	523/404/275	523/404/275	573/456/315	573/456/315	693/600/476	792/688/549	933/749/592
Sound pressure level (H/M/L) ³		dB(A)	37/34/30	37/34/30	39/37/34	39/37/34	41/39/35	42/40/36	44/41/37
Refrigerant type									
Indoor unit	Dimension ⁴ (WxHxD)	mm	1054×153×425				1275×189×450		
	Packing (WxHxD)	mm	1155×245×490				1370×295×505		
Panel	Net/Gross weight	kg	12.5/16		13/16.5		18.5/22.8	18.8/23.1	19.5/23.8
	Dimension (WxHxD)	mm	1180×25×465				1350×25×505		
	Packing (WxHxD)	mm	1232×107×517				1410×95×560		
Pipe connections	Net/Gross weight	kg	3.5/5.2				4/5.4		
	Liquid pipe	mm	Φ6.35				Φ9.53		
	Gas pipe	mm	Φ12.7				Φ15.9		
	Drain pipe	mm	OD Φ25						

Notes:

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. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.





Medium Static Pressure Duct VRF Indoor Units

Optional wireless remote controller



RM12F

Optional wired controller



WDC-86E/K



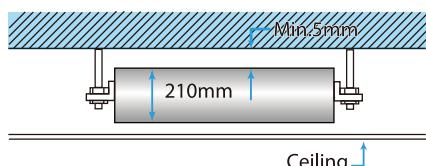
Features

- ◆ 10 models from 2.2~14kW
- ◆ Allows extensive ductwork runs and flexible application: ideal for small or well-insulated rooms, such as hotel bedrooms and small offices
- ◆ Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control
- ◆ Indoor unit displays can be shut at night, creating a better environment for rest
- ◆ The buzzer sound of the indoor unit can be turned off to create a quieter environment
- ◆ Auto restart function is standard, which can also be canceled through the controller
- ◆ Bi-directional communication wired controller can query the indoor and outdoor units' parameters, and also can set the indoor units' parameters
- ◆ Flexible installation for the air inlet may be positioned either on the underside or the rear of the unit
- ◆ Drain pump with 750mm pump head fitted as standard

EASY INSTALLATION

Compact Size

Models 22 to 71 are just 210mm high whilst models 80 to 112 are 270mm high and model 140 to 160 are 300mm high.



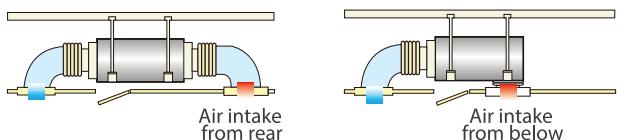
Stylish Air Discharge Panel

Stylish air discharge panel can be integrated with any decoration style (optional for models 17 to 71).



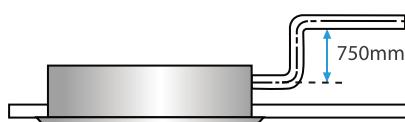
Flexible Air Inlet Port Installation

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the under side or the rear of the unit.



High-lift Drain Pump

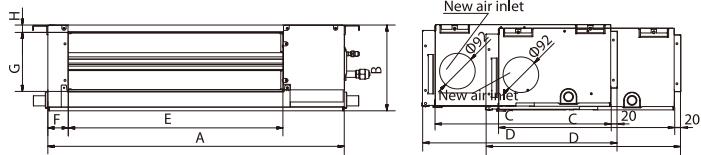
A drain pump with a 750mm raise height is fitted as standard, simplifying installation of the drain piping.



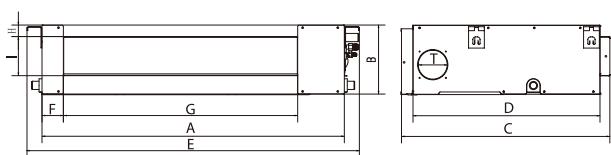


Installation dimensions (unit:mm)

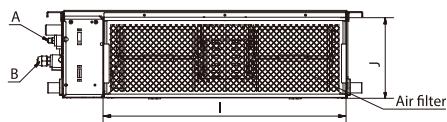
Outline dimension and air outlet opening size



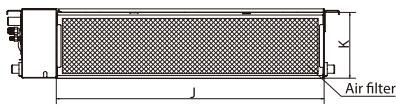
Outline dimension and air outlet opening size



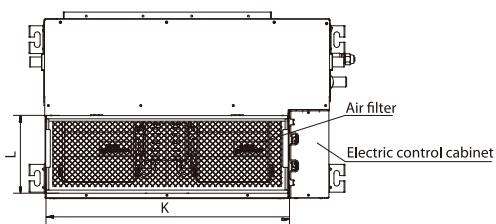
Air return opening size



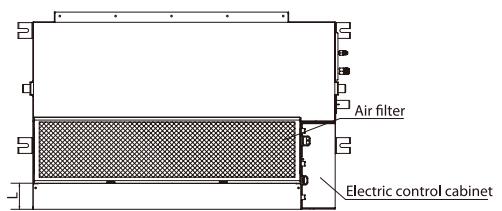
Air return opening size



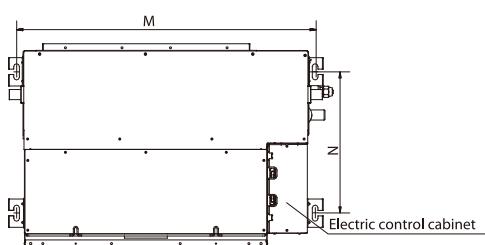
Position size of descensional ventilation opening



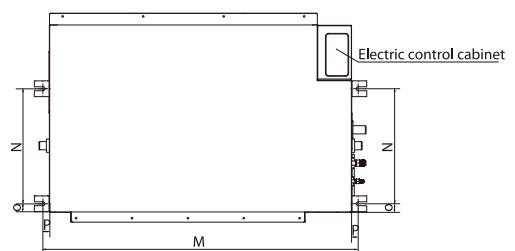
Position size of descensional ventilation opening



Size of mounted lug



Size of mounted lug



Mode	A	B	C	D	E	F	G	H	I	J	K	L	M	N
15~36	700	210	450	500	512	45	145	17	600	196	600	196	740	350
45~56	920	210	450	500	732	45	145	17	820	200	820	200	960	350
71	1140	210	450	500	950	45	145	17	1040	200	1040	200	1180	350

Mode	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
80~112	1140	270	775	710	1230	65	933	35	179	1035	260	20	1180	490	26	20
140	1200	300	865	800	1290	80	968	40	204	1094	288	45	1240	500	26	20
160	1400	300	865	800	1490	85	1169	40	204	1294	288	-	1240	500	26	20



Specification

Model	MDV-D22T2/N1-DA5(B)		MDV-D28T2/N1-DA5(B)		MDV-D36T2/N1-DA5(B)		MDV-D45T2/N1-DA5(B)		MDV-D56T2/N1-DA5(B)	
Power supply	1 phase, 220-240V,50Hz									
Cooling	Capacity	kW	2.2	2.8	3.6	4.5	5.6			
	Input	W	57	57	61	98	103			
Heating	Capacity	kW	2.6	3.2	4	5	6.3			
	Input	W	57	57	61	98	103			
Indoor fan motor	Type		AC							
	Quantity		1							
Refrigerant type	R410A									
Indoor air flow (H/M/L)	m³/h	550/397/309	550/397/309	605/442/351	800/573/479	800/573/479				
External static pressure	Pa	10(0~30)	10(0~30)	10(0~30)	10(0~30)	10(0~30)				
Sound pressure level (H/M/L)	dB(A)	32/24/21	31/24/21	35/28/24	36/29/26	36/29/27				
Indoor unit	Dimension (WxHxD)	mm	778x210x500			997x210x500				
	Packing (WxHxD)	mm	870x285x525			1115x285x525				
	Net/Gross weight	kg	17.5/20			22/25				
Piping connections	Liquid pipe	mm		Φ6.35			Φ9.53			
	Gas pipe	mm		Φ12.7			Φ15.9			
	Drain pipe	mm		OD Φ25						

Model	MDV-D71T2/N1-DA5(B)		MDV-D80T2/N1-BA5(B)		MDV-D90T2/N1-BA5(B)		MDV-D112T2/N1-BA5(B)		MDV-D140T2/N1-BA5(B)	
Power supply	1 phase, 220-240V,50Hz									
Cooling	Capacity	kW	7.1	8	9	11.2	14			
	Input	W	140	198	200	313	274			
Heating	Capacity	kW	8	9	10	12.5	15.5			
	Input	W	140	198	200	313	274			
Indoor fan motor	Type		AC							
	Quantity		1							
Refrigerant type	R410A									
Indoor air flow (H/M/L)	m³/h	985/738/630	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400				
External static pressure	Pa	10(0~30)	20(10~50)	20(10~50)	40(10~80)	40(10~100)				
Sound pressure level (H/M/L)	dB(A)	36/30/27	45/40/37	45/40/37	48/42/38	48/43/39				
Indoor unit	Dimension (WxHxD)	mm	1218x210x500		1230x270x775		1290x300x865			
	Packing (WxHxD)	mm	1335x285x525		1355x350x795		1400x375x925			
	Net/Gross weight	kg	27.5/31		37.5/43		46.5/55.5			
Piping connections	Liquid pipe	mm		Φ9.53						
	Gas pipe	mm		Φ15.9						
	Drain pipe	mm		OD Φ25						

Model	MI2-160T2DHN1		
Power supply			
Cooling ¹	Capacity	kW	16.0
		kBtu/h	54.6
Heating ²	Power input	W	250
		kW	18.0
Unit	Capacity	kBtu/h	61.4
		W	250
Air flow rate ³	m³/h	2300/2100/2000/1900/ 1750/1600/1450	
External static pressure	Pa	40 (30~150)	
Sound pressure level ⁴	dB(A)	42/41/39/38/37/35/34	
Pipe connections	Net dimensions ⁵ (WxHxD)	mm	1490x300x865
	Packed dimensions (WxHxD)	mm	1605x345x955
	Net/Gross weight	kg	54/63
Piping	Liquid/Gas pipe	mm	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25

Notes:

1 Nominal capacity are based on the following conditions:

- Cooling: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Heating: indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

2 Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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3 External static pressure is based on high speed indoor airflow.





Wall Mounted VRF Indoor Unit

Optional wireless remote controller

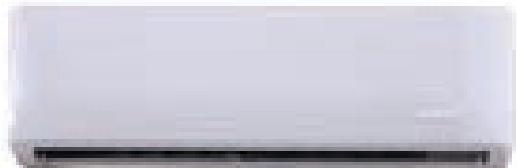


RM12F

Optional wired controller



WDC-86E/K

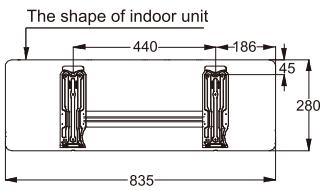


Features

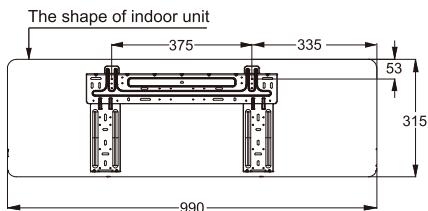
- ◆ 8 models from 2.2~9.0kW
- ◆ Multi-outlet pipe method for both refrigerant pipe and drain pipe: left/right/rear, more flexible for installation
- ◆ 7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions
- ◆ 5-step swing louver, making the air flow direction control more precisely
- ◆ Set temperature can be adjusted in 0.5°C or 1°C steps, enabling precise comfort control
- ◆ Indoor unit displays can be shut off at night, creating a better environment for rest
- ◆ The buzzer sound of the indoor unit can be turned off to create a quieter environment
- ◆ Auto restart function is standard, which can also be canceled through the controller
- ◆ Bi-directional communication wired controller can query the indoor and outdoor units' parameters, and also can set the indoor units' parameters
- ◆ LED display is standard, digital display can be customized

Installation dimensions (unit:mm)

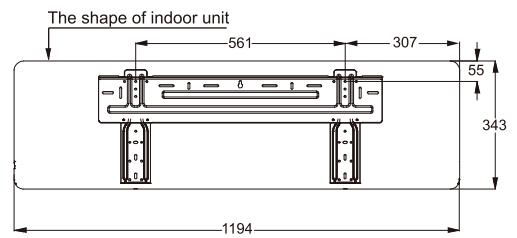
2.2/2.8/3.6kW



4.5/5.6kW



7.1/8.0/9.0kW





Specification

Model	MDV-D22G/N1-M		MDV-D28G/N1-M		MDV-D36G/N1-M		MDV-D45G/N1-M			
Power supply			1 phase, 220-240V, 50Hz							
Cooling	Capacity	kW	2.2	2.8	3.6	4.5				
	Input	W	29	29	31	45				
Heating	Capacity	kW	2.4	3.2	4	5				
	Input	W	29	29	31	45				
Indoor fan motor	Type		AC							
	Quantity		1							
Refrigerant type	R410A									
Indoor air flow	m³/h	446/429/424/409/394/382/373	457/445/433/421/419/410/402	447/429/399/369/339/333/303	648/618/582/563/546/505/476					
Sound pressure level	dB(A)	34/33/33/32/31/31	33/33/32/32/31/31	36/35/34/33/32/32	37/36/34/34/33/32/31					
Indoor unit	Dimension (WxHxD)	mm	835x280x203		990x315x223					
	Packing (WxHxD)	mm	915x353x300		1075x395x300					
	Net/Gross weight	kg	8.5/11.0	8.5/11.0	9.7/12.2	13.8/16.4				
Pipe connections	Liquid pipe	mm	Φ6.35		Φ12.7					
	Gas pipe	mm								
	Drain pipe	mm	OD Φ16							
Model	MDV-D56G/N1-M		MDV-D71G/N1-M		MDV-D80G/N1-M		MDV-D90G/N1-M			
Power supply			1 phase, 220-240V, 50Hz							
Cooling	Capacity	kW	5.6	7.1	8	9				
	Input	W	54	77	77	90				
Heating	Capacity	kW	6.3	8	9	10				
	Input	W	54	77	77	90				
Indoor fan motor	Type		AC							
	Quantity		1							
Refrigerant type	R410A									
Indoor air flow	m³/h	798/764/723/691/665/627/595	1240/1171/1107/1045/976/914/869	1248/1194/1119/1056/993/914/863	1427/1403/1303/1232/1186/1096/1043					
Sound pressure level	dB(A)	42/41/40/39/38/37/36	48/47/45/44/42/39/38	48/47/45/43/42/39/38	52/51/50/49/47/45/43					
Indoor unit	Dimension (WxHxD)	mm	990x315x223	1194x343x262						
	Packing (WxHxD)	mm	1075x395x300	1265x420x345						
	Net/Gross weight	kg	13.8/16.4	17.4/20.8	17.6/21.0	17.6/21.0				
Pipe connections	Liquid pipe	mm	Φ9.53		Φ15.9					
	Gas pipe	mm								
	Drain pipe	mm	OD Φ16							

Notes:

1 Nominal capacity are based on the following conditions:

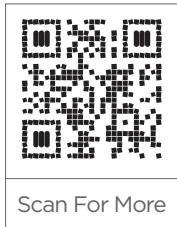
- Cooling: indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.

- Heating: indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.

2 Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.

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