





Commercial Air Conditioners 2016



R410A VRF Indoor Unit 50Hz AC Series

 GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 14001 International standard
for environmental management.
Certificate No.15912E10020R0L

 TÜVRheinland®
CERT
ISO 9001
GD Midea Heating & Ventilating Equipment Co., Ltd.
Is certified under the ISO 9001 International standard
for quality assurance.
NO.01 100 019209

 GD Midea Heating & Ventilating Equipment Co., Ltd.
Certificate of Occupational Health and Safety Management System
Certificate No. 15912S20006R0L-1.

Commercial Air Conditioner Division Midea Group

Add.: West Region of Midea Commercial Air Conditioner Department, Industry Avenue,
Beijiao, Shunde, Foshan, Guangdong, P. R. China

Postal code: 528311

Tel: +86-757-26338346 Fax: +86-757-22390205

cac.midea.com global.midea.com

Note: The data in this book may be changed without notice for further improvement
on quality and performance.

Midea CAC After-service Application



iOS Version

Android Version

Midea CAC News Application



iOS Version

Midea CAC

Midea CAC is a key division of the Midea Group, a leading producer of consumer appliances and provider of heating, ventilation and air conditioning solutions. Midea CAC has continued with the tradition of innovation upon which it was founded, and emerged as a global leader in the HVAC industry. A strong drive for advancement has created a groundbreaking R&D department that has placed Midea CAC at the forefront of a competitive field. Through these independent efforts and joint cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.

There are three production bases: Shunde, Chongqing and Hefei.

MCAC Shunde: 38 product lines focusing on VRF, Split Products, Heat Pump Water Heaters, and AHU/FCU.

MCAC Chongqing: 14 product lines focusing on Water Cooled Centrifugal/Screw/Scroll Chillers, Air Cooled Screw/Scroll Chillers, and AHU/FCU.

MCAC Hefei: 11 product lines focusing on VRF, Chillers, and Heat Pump Water Heaters.



2014-2015 >> Win FIFA World Cup Stadiums project in Brazil Beira Rio, Olympic Games Stadiums project in Brazil Rio de Janeiro and Africa games Stadiums project in Congo Brazzaville successively

2014 >> Launched the All DC Inverter V5X globally, outstanding product performance helps Midea leading VRF market

2011-2014 >> Launched the DC Inverter V4 Plus Series successively, complete product lines help Midea successfully enter the mainstream VRF market

2011-2012 >> J.V. with Carrier LA and Carrier India successively

2009 >> Launched the DC Inverter V4 globally

2008 >> Developed DC inverter technology with Toshiba

2000-2001 >> Cooperated with Toshiba and Copeland, enter VRF field

1999 >> Entered the CAC field



Midea Company Introduction



Midea CAC Introduction





» INDOOR UNITS

05 Indoor Unit Lineup

07 Cassette Series

08 One-way Cassette

09 Two-way Cassette

10 Compact Four-way Cassette

13 Duct series

15 Low Static Pressure Duct

16 Medium Static Pressure Duct (A5 type)

17 High Static Pressure Duct

19 Fresh Air Processing Unit




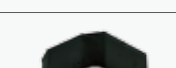








20 Console

21 Wall-mounted

23 Ceiling & Floor

25 Floor Standing

INDOOR UNIT LINEUP

kW		1.5	1.8	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0	45.0	56.0				
Btu/h		5k	6k	7k	9k	12k	15k	19k	24k	27k	30k	34k	38k	42k	48k	55k	68k	85k	96k	136k	154k	191k				
Cassette	One-way cassette 		Available																							
	Two-way cassette 			Available																						
	Four-way cassette 				Available																					
	Compact four-way cassette 	Available		Available																						
Duct	Low static pressure 		Available																							
	Medium static pressure 	Available		Available																						
	High static pressure 								Available																	
	Fresh air processing unit 														Available			Available								
Wall mounted 	Available		Available																							
Ceiling & floor 				Available																						
Floor standing 			Available																							
Console 			Available																							

Notes:
 1.5kW model is only available for Mini VRF and V4+I (side discharge) Series.
 Fresh air processing unit is not available for V4+R and Mini VRF Series.

Cassette Series



One-way Cassette



Two-way Cassette



Compact Four-way Cassette



Four-way Cassette

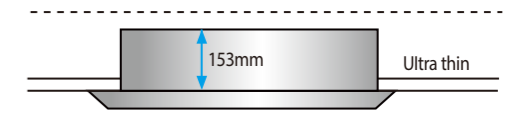


- Auto Restart Function
- Auto Addressing
- Fresh Air
- Auto Defrosting
- Easy-cleaning Panel
- Follow Me
- Anti-cold Air Function
- Built-in Drain Pump
- LED Display
- Built-in Filter
- Independent Dehumidification
- Timer
- Auto Swing
- Wired Controller

One-way Cassette

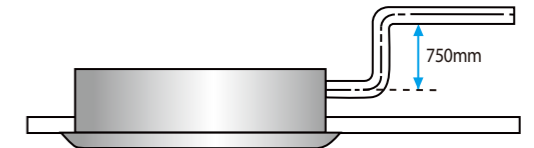
Min. 153mm Thickness >>

Compact design, ultra slim body with a minimum thickness of 153mm for models 18-36 and 189mm for models 45-71, especially suitable for narrow ceiling, such as in lobbies and small meeting rooms.



High-lift Pump >>

Standard built-in drain pump with 750mm pumphead.



Fresh Air, Improved Air Quality >>

Reserved fresh air intake port for high quality air creates a comfortable and healthy environment (for models 45-71).



Specifications



Model		MDV-D18Q1/N1-D	MDV-D22Q1/N1-D	MDV-D28Q1/N1-D	MDV-D36Q1/N1-D	MDV-D45Q1/N1-D	MDV-D56Q1/N1-D	MDV-D71Q1/N1-D	
Power supply		1-phase,220-240V,50Hz							
Capacity	Cooling	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	41	41	41	41	48	48	60
	Heating	W	41	41	41	41	43	44	55
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)	dB(A)	37/34/30	38/34/30	39/37/34	40/38/34	41/39/35	42/40/36	44/41/37	
Sound power level(H/M/L)	dB(A)	48/46/43	49/46/43	50/49/47	51/50/47	52/51/48	53/52/49	55/53/50	
Main body	Net dim.(W×H×D)	mm	1054×153×425	1054×153×425	1054×153×425	1054×153×425	1275×189×450	1275×189×450	1275×189×450
	Packing dim.(W×H×D)	mm	1155×245×490	1155×245×490	1155×245×490	1155×245×490	1370×295×505	1370×295×505	1370×295×505
	Net/gross weight	kg	12.5/16	12.5/16	13/16.5	13/16.5	18.5/22.8	18.8/23.1	19.5/23.8
Panel	Net dim.(W×H×D)	mm	1180×25×465	1180×25×465	1180×25×465	1180×25×465	1350×25×505	1350×25×505	1350×25×505
	Packing dim.(W×H×D)	mm	1232×107×517	1232×107×517	1232×107×517	1232×107×517	1410×95×560	1410×95×560	1410×95×560
	Net/gross weight	kg	3.5/5.2	3.5/5.2	3.5/5.2	3.5/5.2	4/5.4	4/5.4	4/5.4
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller		Wireless remote controller RM05/BG(T)E-A							

Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
- Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
- Sound level is measured at 1.4m below the unit.

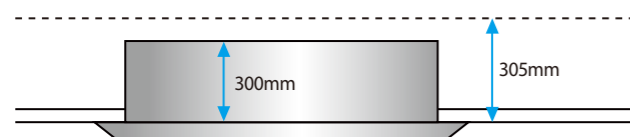
Two-way Cassette

Quiet Operation >>

Optimized airflow duct with low resistance greatly reduces noise, down to a minimum of 24dB(A).

Stylish Design and Slim Body >>

Thanks to the stylish appearance and slim body, the unit suits any room's decor and ambience. At only 300mm high, the unit requires only a small space in suspended ceilings. Installation has no height limitations, which means overall design features much more flexibility.



High-lift Pump >>

Standard built-in drain pump with 750mm pump head (higher pump head can be customized).

High Airflow >>

High airflow for high ceiling application guarantees comfort in large spaces. Guarantees even airflow and temperature throughout the room.



Specifications

Model			MDV-D22Q2/N1	MDV-D28Q2/N1	MDV-D36Q2/N1	MDV-D45Q2/N1	MDV-D56Q2/N1	MDV-D71Q2/N1
Power supply			1-phase,220-240V,50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	57	57	60	92	108	154
	Heating	W	57	57	60	92	108	154
Airflow rate(H/M/L)		m³/h	654/530/410	654/530/410	725/591/458	850/670/550	980/800/670	1,200/1,000/770
Sound pressure level(H/M/L)		dB(A)	33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34
Sound power level(H/M/L)		dB(A)	44/41/37	47/44/42	47/44/42	50/48/43	50/48/43	55/52/47
Main body	Net dim.(WxHxD)	mm	1172x299x591	1172x299x591	1172x299x591	1172x299x591	1172x299x591	1172x299x591
	Packing dim.(WxHxD)	mm	1355x400x675	1355x400x675	1355x400x675	1355x400x675	1355x400x675	1355x400x675
	Net/gross weight	kg	34/42.5	34/42.5	34/42.5	36/44.5	36/44.5	36/44.5
Panel	Net dim.(WxHxD)	mm	1430x53x680	1430x53x680	1430x53x680	1430x53x680	1430x53x680	1430x53x680
	Packing dim.(WxHxD)	mm	1525x130x765	1525x130x765	1525x130x765	1525x130x765	1525x130x765	1525x130x765
	Net/gross weight	kg	10.5/15	10.5/15	10.5/15	10.5/15	10.5/15	10.5/15
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller			Wireless remote controller RM05/BG(T)E-A					

Notes:
 1. Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
 2. Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
 3. Sound level is measured at 1.4m below the unit.

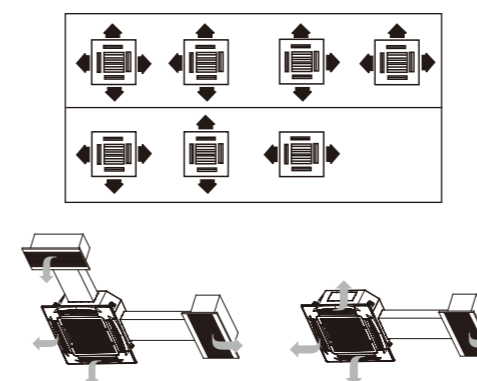
Compact Four-way Cassette

Various Selections >>

Three selections: Compact Four-way Cassette, Four-way Cassette & Four-way Cassette Silent Type.

Flexible Air Distribution Type >>

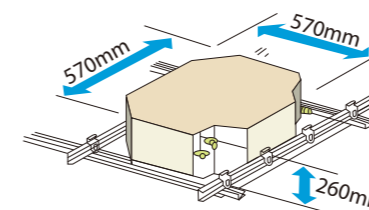
7 discharge patterns in 2 to 4 directions can be selected to suit the requirements of the installation site or the shape of the room.



Duct connection is possible

Compact Design, Easy Installation >>

For Compact Four-way Cassette: Extremely compact casing suits any room's decor and requires little space for installation on a low ceiling. Due to compact body and light weight, all models can be installed without a hoist.



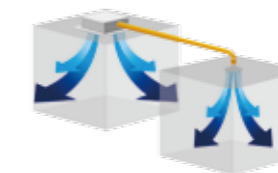
360° Airflow Outlet >>

For Compact Four-way Cassette: 360° air outlet provides strong air flow circulation to cool or heat every corner of a room and evenly control temperatures.



Sub Duct >>

Sub duct enables you to use the same air conditioner unit to cool an additional smaller space nearby.



Fresh Air Intake >>

Fresh air can enter through the cassette unit so you can enjoy even fresher air in a room.



Easy Troubleshooting >>

For Four-way Cassette & Four-way Cassette Silent Type: By adding digital tube on the display board, Error Codes can be displayed directly for troubleshooting.



Lower Operating Noise >>

For Four-way Cassette Silent Type: The newly designed fan blade, air deflector and the built-in throttling part reduce noise greatly.



High-lift Drain Pump >>

For Compact Four-way Cassette: Drain pump with a 500mm pump head is fitted as standard; maximum 600mm pump head is available.

For Four-way Cassette & Four-way Cassette Silent Type: Drain pump can pump condenser water up to 750mm high, which simplifies installation of the drain piping system.

Compact Four-way Cassette

Model	MDV-D15Q4/N1-A3	MDV-D22Q4/N1-A3	MDV-D28Q4/N1-A3	MDV-D36Q4/N1-A3	MDV-D45Q4/N1-A3		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5
	Heating	kW	1.7	2.4	3.2	4.0	5.0
Power input	Cooling	W	36	50	50	56	56
	Heating	W	36	50	50	56	56
Airflow rate(H/M/L)	m ³ /h	435/283/208	414/313/238	414/313/238	521/409/314	521/409/314	
Sound pressure level(H/M/L)	dB(A)	34.9/32.5/22.5	35.8/33.4/23.4	35.8/33.4/23.4	41.5/35.6/28.8	41.5/35.6/28.8	
Sound power level(H/M/L)	dB(A)	45.9/44.5/35.5	46.8/45.4/36.4	46.8/45.4/36.4	52.5/47.6/41.8	52.5/47.6/41.8	
Main body	Net dim.(WxHxD)	mm	570x260x570	570x260x570	570x260x570	570x260x570	570x260x570
	Packing dim.(WxHxD)	mm	675x285x675	675x285x675	675x285x675	675x285x675	675x285x675
	Net/gross weight	kg	16/19.5	16/20	16/20	18/22	18/22
Panel	Net dim.(WxHxD)	mm	647x50x647	647x50x647	647x50x647	647x50x647	647x50x647
	Packing dim.(WxHxD)	mm	715x123x715	715x123x715	715x123x715	715x123x715	715x123x715
	Net/gross weight	kg	2.4/4.5	2.4/4.5	2.4/4.5	2.4/4.5	2.4/4.5
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller	Wireless remote controller RM05/BG(T)E-A						

Four-way Cassette

Model	MDV-D28Q4/N1-D	MDV-D36Q4/N1-D	MDV-D45Q4/N1-D	MDV-D56Q4/N1-D	MDV-D71Q4/N1-D		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	65	65	75	75	82
	Heating	W	65	65	75	75	82
Airflow rate(H/M/L)	m ³ /h	847/766/640	847/766/640	864/755/658	864/755/658	1,157/955/749	
Sound pressure level(H/M/L)	dB(A)	42/38/35	42/38/35	42/38/35	42/38/35	45/42/39	
Sound power level(H/M/L)	dB(A)	53/50/48	53/50/48	53/50/48	53/50/48	56/54/52	
Main body	Net dim.(WxHxD)	mm	904x230x840	904x230x840	904x230x840	904x230x840	904x230x840
	Packing dim.(WxHxD)	mm	955x260x955	955x260x955	955x260x955	955x260x955	955x260x955
	Net/gross weight	kg	24/28	24/28	26/30	26/30	26/30
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller	Wireless remote controller RM05/BG(T)E-A						

Model	MDV-D80Q4/N1-D	MDV-D90Q4/N1-D	MDV-D100Q4/N1-D	MDV-D112Q4/N1-D	MDV-D140Q4/N1-D		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	14.0
	Heating	kW	9.0	10.0	11.1	12.5	15.0
Power input	Cooling	W	97	160	160	160	170
	Heating	W	97	160	160	160	170
Airflow rate(H/M/L)	m ³ /h	1236/973/729	1540/1300/1120	1540/1300/1120	1540/1300/1120	1800/1500/1280	
Sound pressure level(H/M/L)	dB(A)	45/42/39	48/45/43	48/45/43	48/45/43	50/47/44	
Sound power level(H/M/L)	dB(A)	56/54/52	59/57/56	59/57/56	59/57/56	61/59/57	
Main body	Net dim.(WxHxD)	mm	904x230x840	904x300x840	904x300x840	904x300x840	904x300x840
	Packing dim.(WxHxD)	mm	955x260x955	955x330x955	955x330x955	955x330x955	955x330x955
	Net/gross weight	kg	26/30	32/37	32/37	32/37	32/37
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller	Wireless remote controller RM05/BG(T)E-A						

Four-way Cassette Silent Type

Model	MDV-D28Q4/N1-E	MDV-D36Q4/N1-E	MDV-D45Q4/N1-E	MDV-D56Q4/N1-E	MDV-D71Q4/N1-E		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	2.8	3.6	4.5	5.6	7.1
	Heating	kW	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	80	80	88	88	88
	Heating	W	80	80	88	88	88
Airflow rate(H/M/L)	m ³ /h	764/638//554	764/638//554	905/740//651	905/740//651	950/767//663	
Sound pressure level(H/M/L)	dB(A)	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35	
Sound power level(H/M/L)	dB(A)	43/42/41	43/42/41	47/46/45	47/46/45	49/48/47	
Main body	Net dim.(WxHxD)	mm	840x230x840	840x230x840	840x230x840	840x230x840	840x230x840
	Packing dim.(WxHxD)	mm	955x260x955	955x260x955	955x260x955	955x260x955	955x260x955
	Net/gross weight	kg	21.5/26.7	21.5/26.7	23.7/28.9	23.7/28.9	23.7/28.9
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller	Wireless remote controller RM05/BG(T)E-A						

Model	MDV-D80Q4/N1-E	MDV-D90Q4/N1-E	MDV-D100Q4/N1-E	MDV-D112Q4/N1-E	MDV-D140Q4/N1-E		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	8.0	9.0	10.0	11.2	14.0
	Heating	kW	9.0	10.0	11.1	12.5	15.0
Power input	Cooling	W	110	140	165	165	176
	Heating	W	110	140	165	165	176
Airflow rate(H/M/L)	m ³ /h	1200/1021/789	1332/1129/908	1651/1304/1127	1651/1304/1127	1658/1335/1130	
Sound pressure level(H/M/L)	dB(A)	42/39/37	43/39/38	45/42/40	45/42/40	46/41/39	
Sound power level(H/M/L)	dB(A)	53/51/50	54/51/50	56/54/53	56/54/53	57/53/51	
Main body	Net dim.(WxHxD)	mm	840x230x840	840x300x840	840x300x840	840x300x840	840x300x840
	Packing dim.(WxHxD)	mm	955x260x955	955x330x955	955x330x955	955x330x955	955x330x955
	Net/gross weight	kg	23.7/28.9	28.7/34.1	28.7/34.1	28.7/34.1	30.9/36.3
Panel	Net dim.(WxHxD)	mm	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950	950x54.5x950
	Packing dim.(WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035	1035x90x1035
	Net/gross weight	kg	6/9	6/9	6/9	6/9	6/9
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32
Standard controller	Wireless remote controller RM05/BG(T)E-A						

Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
- Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
- Sound level is measured at 1.4m below the unit.

>> Duct series



Low static pressure duct

Medium pressure duct (A5 type)

High Static Pressure Duct

Fresh Air Processing Unit

Low Static Pressure Duct

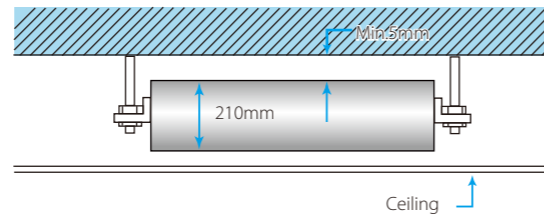
Low Sound Level >>

Utilizes the centrifugal type blower, provides a minimum noise level of 24dB (A), an excellent choice for hotels and other sound-sensitive locations.



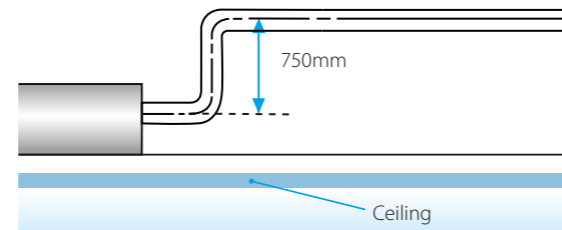
Compact Design >>

Uniformed height of 210mm, compact design for easy locate where ceiling space is limited. Entire body adopts fireproof plastic material, the minimum weight is 14kg.



Options >>

Drain pump with a 750mm pumphead is an optional accessory.



V Shape Evaporator >>

V shape evaporator design enhances heat exchanging efficiency by around 22%.

Easy Installation and Maintenance >>

The EXV is fixed inside the indoor unit.



Specifications

Model	MDV-D18T3/N1-C	MDV-D22T3/N1-C	MDV-D28T3/N1-C	MDV-D36T3/N1-C	MDV-D45T3/N1-C	MDV-D56T3/N1-C	MDV-D71T3/N1-C		
Power supply	1-phase,220-240V,50Hz								
Capacity	Cooling	kW	1.8	2.2	2.8	3.6	4.5	5.6	7.1
	Heating	kW	2.2	2.6	3.2	4.0	5.0	6.3	8.0
Power input	Cooling	W	59	59	59	65	105	105	130
	Heating	W	59	59	59	65	105	105	130
Airflow rate(H/M/L)	m³/h	578/512/409	578/512/409	578/512/409	617/551/441	824/690/609	824/690/609	1060/970/811	
External static pressure(Min/Std/Max)	Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	
Sound pressure level(H/M/L)	dB(A)	35/27/24	35/27/24	35/27/24	38/32/28	39/32/29	39/32/29	41/33/30	
Sound power level(H/M/L)	dB(A)	46/39/37	46/39/37	46/39/37	49/44/41	50/44/42	50/44/42	52/45/43	
Net dimension(WxHxD)	mm	740x210x470	740x210x470	740x210x470	740x210x470	960x210x470	960x210x470	1180x210x470	
Packing dimension(WxHxD)	mm	910x230x510	910x230x510	910x230x510	910x230x510	1130x230x510	1130x230x510	1350x230x510	
Net/gross weight	kg	14/17.5	14/17.5	14/17.5	14/17.5	17.5/22	17.5/22	21/26.5	
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller	Wireless remote controller RM05/BG(T)E-A								

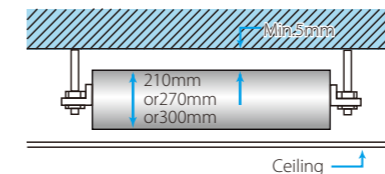
Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
 - Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.

Medium Static Pressure Duct (A5 type)

Compact Size >>

Only 210mm (models 15~71) or 270mm (models 80~112) or 300mm (model 140) in height.



Flexible Control and Easy Maintenance >>

The electrical control box can be removed 1m away from the unit for easy maintenance access. Customers need to request this service in advance for it is done at Midea CAC factory. Standard functional ports are included such as Remote On/Off Dry contact switch and Alarm signal output (220V).



Specifications

Model	MDV-D15T2/N1-DA5	MDV-D22T2/N1-DA5	MDV-D28T2/N1-DA5	MDV-D36T2/N1-DA5	MDV-D45T2/N1-DA5	MDV-D56T2/N1-DA5		
Power supply	1-phase,220-240V,50Hz							
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.6
	Heating	kW	1.7	2.6	3.2	4.0	5.0	6.3
Power input	Cooling	W	56	57	57	61	98	103
	Heating	W	56	57	57	61	98	103
Airflow rate(H/M/L)	m³/h	538/456/375	538/456/375	538/456/375	597/514/429	811/684/575	811/684/575	
External static pressure(Min/Std/Max)	Pa	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	0/10/30	
Sound pressure level(H/M/L)	dB(A)	35.8/34.6/31.4	36/35/32	37/35/32	38.6/37.5/33.8	39/37.9/34	39/37.9/34	
Sound power level(H/M/L)	dB(A)	46.8/45.6/42.4	47/46/44	47/46/44	49.6/48.5/44.8	50/49.9/47	50/49.9/47	
Net dimension(WxHxD)	mm	740x210x500	740x210x500	740x210x500	740x210x500	960x210x500	960x210x500	
Packing dimension(WxHxD)	mm	870x285x525	870x285x525	870x285x525	870x285x525	1115x285x525	1115x285x525	
Net/gross weight	kg	17.5/20.5	17.5/20	17.5/20	17.5/20	22.5/26	22.5/26	
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller	Wired controller KJR-29B1/BK-E (6 meters connection wire)							

Model	MDV-D71T2/N1-BA5	MDV-D80T2/N1-BA5	MDV-D90T2/N1-BA5	MDV-D112T2/N1-BA5	MDV-D140T2/N1-BA5		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0
	Heating	kW	8.0	9.0	10.0	12.5	15.5
Power input	Cooling	W	140	198	200	313	274
	Heating	W	140	198	200	313	274
Airflow rate(H/M/L)	m³/h	1029/934/781	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400	
External static pressure(Min/Std/Max)	Pa	0/10/30	10/20/50	10/20/50	10/40/80	10/40/100	
Sound pressure level(H/M/L)	dB(A)	41.4/39/35	45.4/39.8/37	45.4/39.8/37	48.0/41.9/38	47.7/43.2/39.0	
Sound power level(H/M/L)	dB(A)	52.4/51/48	56.4/51.8/50	56.4/51.8/50	59/53.9/51	58.7/55.2/52	
Net dimension(WxHxD)	mm	1180x210x500	1180x270x775	1230x270x775	1230x270x775	1290x300x865	
Packing dimension(WxHxD)	mm	1335x285x525	1355x350x795	1355x350x795	1355x350x795	1400x375x925	
Net/gross weight	kg	28/31.5	38/46.5	40/48	40/48	49/58	
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller	Wired controller KJR-29B1/BK-E (6 meters connection wire)						

Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
 - Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.

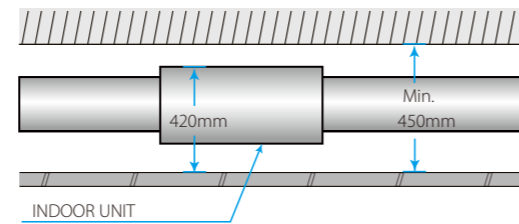
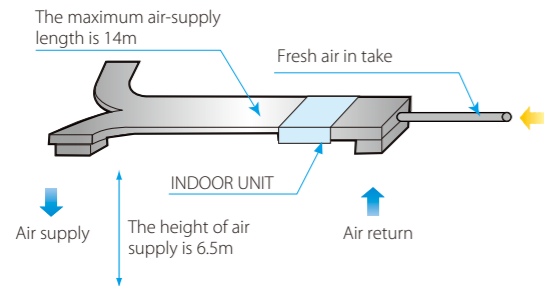
High Static Pressure Duct

Flexible Duct Design >>

External static pressure can be up to 196Pa (models 71 to 160) or 280Pa (models 200 to 560).

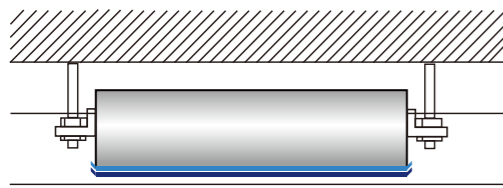
The maximum length for air supply is about 14m at a height of 6.5m.

With a 420mm (models 71 to 160) thick body, the minimum distance required above the ceiling is 450mm.



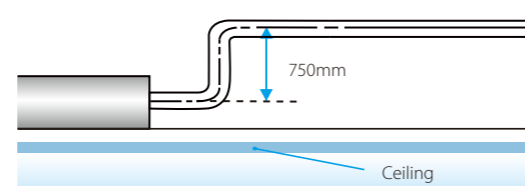
Double-skin Drainage Pan >>

Double-skin drainage pan provides double protection for ceilings (models 71 to 160 and models 400 to 560).



Option >>

Drain pump with 750mm pump head is optional (models 71 to 160).



Convenient Installation >>

The EXV is fixed inside the indoor unit (models 70-160), requires no extra connection.

Standard filter is housed in an aluminum frame, which is removable from the bottom in a downward direction.

Flange for air inlet/outlet duct connection is standard.

Flexible Control and Convenient for Maintenance >>

Wired remote controller KJR-29B1/BK-E comes standard, and wireless remote controller RM05/BG(T)E-A comes as an option.

The display board is connected to the E-box in factory, easier troubleshooting with LED display.

Easy access filters both at the rear & bottom.

Standard functional port such as remote on/off dry contact.



Specification

Model	MDV-D71T1/N1-B	MDV-D80T1/N1-B	MDV-D90T1/N1-B	MDV-D112T1/N1-B	MDV-D140T1/N1-B	MDV-D160T1/N1-B		
Power supply	1-phase,220-240V,50Hz							
Capacity	Cooling	kW	7.1	8.0	9.0	11.2	14.0	16.0
	Heating	kW	8.0	9.0	10.0	12.5	16.0	17.0
Power input	Cooling	W	263	263	423	524	724	940
	Heating	W	263	263	423	524	724	940
Airflow rate(H/M/L)	m³/h	1443/1361/1218	1416/1338/1220	1951/1741/1518	2116/1936/1520	3000/2618/2226	3620/3044/2744	
External static pressure(Min/Std/Max)	Pa	25/25/196	37/37/196	37/37/196	50/50/196	50/50/196	50/50/196	
Sound pressure level(H/M/L)	dB(A)	48/46/44	48/46/44.5	52/49/47	52/49/47	53/50/48	54/52/50	
Sound power level(H/M/L)	dB(A)	59/58/57	59/58/57.5	63/61/60	63/61/60	64/62/61	65/64/63	
Net dimension(WxHxD)	mm	952x420x690	952x420x690	952x420x690	952x420x690	1300x420x690	1300x420x690	
Packing dimension(WxHxD)	mm	1090x440x768	1090x440x768	1090x440x768	1090x440x768	1436x450x768	1436x450x768	
Net/gross weight	kg	45/50	45/50	46.5/52.4	50.6/56	68/70	70/77.5	
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	
Standard controller	Wired controller KJR-29B1/BK-E (6 meters connection wire)							

Model	MDV-D200T1/N1-B	MDV-D250T1/N1-B	MDV-D280T1/N1-B	MDV-D400T1/N1-B	MDV-D450T1/N1-B	MDV-D560T1/N1-B		
Power supply	1-phase,220-240V,50Hz							
Capacity	Cooling	kW	20.0	25.0	28.0	40.0	45.0	56.0
	Heating	kW	22.5	26.0	31.5	45.0	50.0	63.0
Power input	Cooling	W	1516	1516	1516	2700	2700	3400
	Heating	W	1516	1516	1516	2700	2700	3400
Airflow rate(H/M/L)	m³/h	4700/4100/3599	4700/4100/3599	4700/4100/3599	7472/6072/4995	7472/6072/4995	9550/7950/6600	
External static pressure(Min/Std/Max)	Pa	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280	50/200/280	
Sound pressure level(H/M/L)	dB(A)	59/55/52	59/55/52	59/55/52	61/59/56	61/59/56	63/60/57	
Sound power level(H/M/L)	dB(A)	70/67/65	70/67/65	70/67/65	72/71/69	72/71/69	74/72/70	
Net dimension(WxHxD)	mm	1443x470x810	1443x470x810	1443x470x810	1970x668x902.5	1970x668x902.5	1970x668x902.5	
Packing dimension(WxHxD)	mm	1509x550x990	1509x550x990	1509x550x990	2095x800x964	2095x800x964	2095x800x964	
Net/gross weight	kg	115/129	115/129	115/129	232/245	232/245	235/250	
Piping connections	Liquid/gas pipe	mm	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ15.9x2	Φ9.53x2/Φ22.2x2	Φ9.53x2/Φ22.2x2	
	Drain pipe	mm	OD Φ32	OD Φ32	OD Φ32	OD Φ32	OD Φ32	
Standard controller	Wired controller KJR-29B1/BK-E (6 meters connection wire)							

Notes:

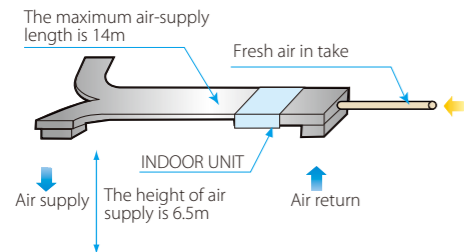
- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
 - Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.

Fresh Air Processing Unit

100% Fresh Air Processing Unit >>

Both fresh air filtration and heating/cooling can be achieved in a single system.

Indoor units and fresh air processing unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.



High External Static Pressure >>

External static pressure can be up to 196Pa(models 125 to 140) and 280Pa(models 200 to 280) for more flexible duct applications. The maximum length of air supply is around 14m and the maximum height of air supply is about 6.5m.

Healthy and Comfortable >>

Fresh air is imported, providing a healthy and comfortable living environment.

Four speed fan motor(model 125&140).

Specification

Model	MDV-D125T1/N1-FA	MDV-D140T1/N1-FA	MDV-D200T1/N1-FA	MDV-D250T1/N1-FA	MDV-D280T1/N1-FA		
Power supply	1-phase,220-240V,50Hz						
Capacity	Cooling	kW	12.5	14.0	20.0	25.0	28.0
	Heating	kW	10.5	12.0	18.0	20.0	22.0
Power input	Cooling	W	430	430	1063	1063	1063
	Heating	W	461	430	1063	1063	1063
Airflow rate(H/M/L)	m ³ /h	2142/1870/1611	2142/1870/1611	2870/2620/2150	3005/2700/2250	3005/2700/2250	
External static pressure(Min/Std/Max)	Pa	30/50/196	30/50/196	50/200/280	50/200/280	50/200/280	
Sound pressure level(H/M/L)	dB(A)	54/52/50	54/52/50	54/53/51	55/54/52	55/54/52	
Sound power level(H/M/L)	dB(A)	65/64/63	65/64/63	65/64/63	66/65/63	66/65/63	
Net dimension(WxHxD)	mm	1300x420x690	1300x420x690	1443x470x810	1443x470x810	1443x470x810	
Packing dimension(WxHxD)	mm	1436x450x768	1436x450x768	1509x550x990	1509x550x990	1509x550x990	
Net/gross weight	kg	69.5/76	69.5/76	115/125	115/125	115/125	
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ32	OD Φ32	
Operation temperature range	°C	Heating: -5~16; Fan only: 16~20; Cooling: 20~43					
Standard controller		Wired controller KJR-29B1/BK-E (6 meters connection wire)					

Notes:

- Nominal cooling capacities are based on the following conditions: outdoor air temperature: 33°CDB, 28°CWB, equivalent ref. piping: 8m(horizontal).
 - Nominal heating capacities are based on the following conditions: outdoor air temperature: 0°CDB, -2.9°CWB, equivalent ref. piping: 8m(horizontal).
 - Sound level is measured at 1.4m below the air outlet.
- External static pressure is based on high speed indoor air flow.
- Connection Conditions:
- The following restrictions must be observed in order to maintain the indoor units connection to the same system.
- * When outdoor-air processing units are connected, the total connection capacity must be within 50% to 100% of that of the outdoor units.
 - * When outdoor-air processing units and standard indoor units are connected, the total connection capacity of the outdoor-air processing units must not exceed 30% that of the outdoor units.
 - * Outdoor-air processing units can be used without indoor units.
 - * The fresh air processing unit is not available for V4+R system & 8~26kW side discharge outdoor units.

Console



- Auto Restart Function
- Auto Addressing
- Timer
- Auto Defrosting
- Easy-cleaning Panel
- Follow Me
- Anti-cold Air Function
- Auto Swing
- LED Display
- Built-in Filter
- Independent Dehumidification
- Wired Controller

Compact Size and Stylish Design >>

The elegant and thin body complements the existing decor and saves space. The EXV is installed inside the indoor unit for added compactness.

High Comfort >>

Flexible air flow: vertical auto swing and wide angle louvers ensure that warm air reaches every corner of the room and increases the air flow coverage.

Indoor unit adopts DC motor with five fan speeds to meet different requirements.

Applies the Fujikoki mechanical expansion valve which offers 2,000-stage element positioning to ensure precise flow control and lower modulation noise when the EXV is operating.

Flexible Installation >>

Can be installed on the floor or lower wall.

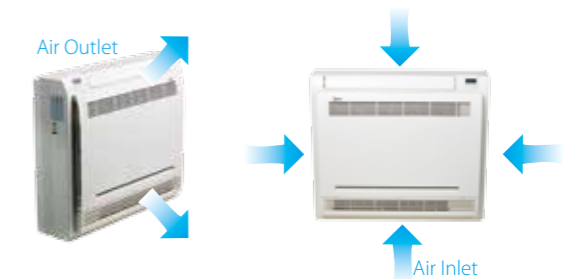
As a floor standing type, air flow can be semi or fully accessed without losing capacity.



Two Air Outlets and Four Air Inlets >>

Four directional of air inlet.

two options of air outlet: Up and Down, or Up only.



Top/bottom and right/left side, for better ventilation

Specification

Model	MDV-D22Z/DN1-B	MDV-D28Z/DN1-B	MDV-D36Z/DN1-B	MDV-D45Z/DN1-B		
Power supply	1-phase,220-240V,50Hz					
Capacity	Cooling	kW	2.2	2.8	3.6	4.5
	Heating	kW	2.6	3.2	4.0	5.0
Power input	Cooling	W	20	25	25	45
	Heating	W	20	25	25	45
Airflow rate(H/M/L)	m ³ /h	430/345/229	510/430/229	510/430/229	660/512/400	
Sound pressure level(H/M/L)	dB(A)	38/32/26	39/33/27	39/33/27	42/39/36	
Sound power level(H/M/L)	dB(A)	49/44/39	50/45/40	50/45/40	53/51/49	
Net dimension(WxHxD)	mm	700x210x600	700x210x600	700x210x600	700x210x600	
Packing dimension(WxHxD)	mm	810x305x710	810x305x710	810x305x710	810x305x710	
Net/gross weight	kg	14/19	15/20	15/20	15/20	
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7
	Drain pipe	mm	OD Φ16	OD Φ16	OD Φ16	OD Φ16
Standard controller		Wireless remote controller RM05/BG(T)E-A				

Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
- Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
- Sound level is measured 1m horizontally from the air-outlet and 1m vertically above the floor.

Wall-mounted

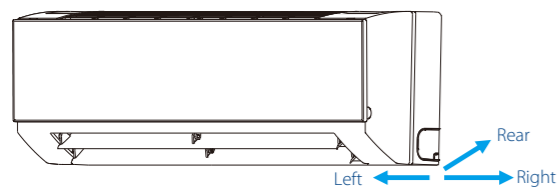


Convenient Installation >>

Multi-directional refrigerant outlet pipe: left/right/rear, more flexible for installation.

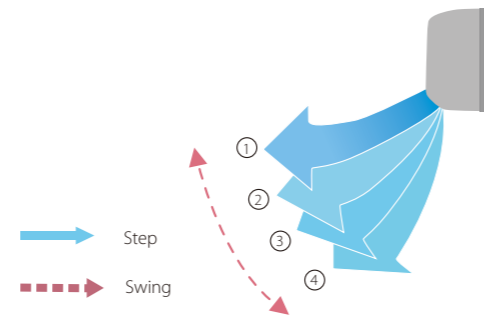
EXV is built-in the indoor unit, compact size, lengthened the connection pipe; gas pipe: 468mm; liquid pipe: 550mm, more flexible for installation.

Adopts new type fixing plate, stable and easy to install.



Auto Swing Louver >>

The Auto Swing Louver function ensures that the air direction corresponds to the mode selected.



Optimal Comfort Through Better Flow Control and Quiet Operations >>

The mechanical expansion valve offers 2,000-stage element positioning to ensure precise flow control and less modulation noise when the EXV is operating for a quiet and comfortable environment. Three air flow speeds: low, medium and high; double air guides. Smoother airflow and less turbulence is ensured by the multi-blade fan and the air guide design.



Specification

Model	S panel	MDV-D15G/N1-S	MDV-D22G/N1-S	MDV-D28G/N1-S	MDV-D36G/N1-S	MDV-D45G/N1-S	MDV-D56G/N1-S	
	C panel	-	MDV-D22G/N1YB	MDV-D28G/N1YB	MDV-D36G/N1YB	MDV-D45G/N1YB	MDV-D56G/N1YB	
Power supply		1-phase,220-240V,50Hz						
Capacity	Cooling	kW	1.5	2.2	2.8	3.6	4.5	5.6
	Heating	kW	1.7	2.4	3.2	4	5	6.3
Power input	Cooling	W	28	28	28	28	45	45
	Heating	W	28	28	28	28	45	45
Airflow rate(H/M/L)	S panel	m ³ /h	427/389/336	525/480/430	525/480/430	590/520/480	860/755/630	925/860/755
	C panel	m ³ /h	-	520/480/430	520/480/430	520/480/430	860/755/630	925/860/755
Sound pressure level(H/M/L)		dB(A)	33/31/28	35/32/29	35/32/29	35/32/29	40/38/34	40/38/34
Sound power level(H/M/L)		dB(A)	44/43/41	46/44/42	46/44/42	46/44/42	51/49/47	51/49/47
Net dimension(WxHxD)	S panel	mm	915x290x230	915x290x230	915x290x230	915x290x230	1072x315x230	1072x315x230
	C panel	mm	915x290x210	915x290x210	915x290x210	915x290x210	1070x315x210	1070x315x210
Packing dimension(WxHxD)	S panel	mm	1020x390x315	1020x390x315	1020x390x315	1020x390x315	1180x415x315	1180x415x315
	C panel	mm	1020x385x300	1020x385x300	1020x385x300	1020x385x300	1180x410x300	1180x410x300
Net/gross weight	S panel	kg	12.4/15.9	13/16.8	13/16.8	13/16.8	15.1/19.5	15.1/19.5
	C panel	kg	-	12/17.5	12/17.5	12/17.5	15/19	15/18
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5	OD Φ16.5
Standard controller			Wireless remote controller RM05/BG(T)E-A					

Model		MDV-D71G-R3/N1Y	MDV-D80G-R3/N1Y	MDV-D90G-R3/N1Y	
Power supply		1-phase,220-240V,50Hz			
Capacity	Cooling	kW	7.1	8.0	9.0
	Heating	kW	8.0	9.0	10.0
Power input	Cooling	W	75	86	86
	Heating	W	75	86	86
Airflow rate(H/M/L)		m ³ /h	1190/780/580	1,320/840/640	1,320/840/640
Sound pressure level(H/M/L)		dB(A)	47/43/42	48/43/38	49/43/38
Sound power level(H/M/L)		dB(A)	58/55/54	59/55/51	60/55/51
Net dimension(WxHxD)		mm	1,250x325x245	1,250x325x245	1,250x325x245
Packing dimension(WxHxD)		mm	1,345x430x335	1,345x430x335	1,345x430x335
Net/gross weight		kg	19.9/25	19.9/25	19.9/25
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16.5	OD Φ16.5	OD Φ16.5
Standard controller			Wireless remote controller RM05/BG(T)E-A		

Notes:

1. Nominal cooling capacities are based on the following conditions: return air temperature.: 27°CDB, 19°CWB, outdoor temperature.: 35°CDB, equivalent ref. piping: 8m(horizontal).
2. Nominal heating capacities are based on the following conditions: return air temperature.: 20°CDB, outdoor temperature.: 7°CDB, 6°CWB, equivalent ref. Piping: 8m(horizontal).
3. Sound level is measured 1m below the air outlet horizontally and vertically.

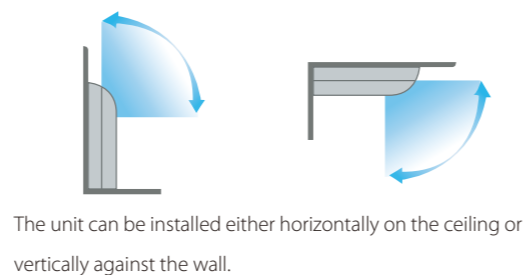
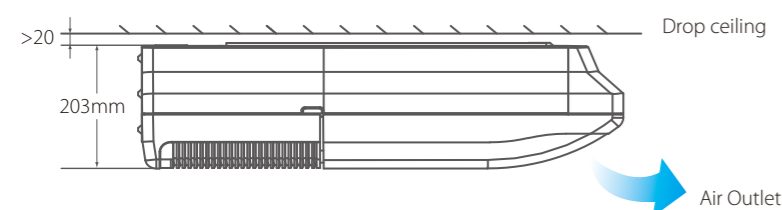
Ceiling & Floor



- Auto Restart Function
- Auto Addressing
- Timer
- Auto Defrosting
- Easy-cleaning Panel
- Follow Me
- Anti-cold Air Function
- Auto Swing
- LED Display
- Built-in Filter
- Independent Dehumidification
- Wired Controller

Convenient Installation >>

The slim and sleek structure design ensures easy installation. It can be installed into a corner of the ceiling even if the ceiling is very narrow.

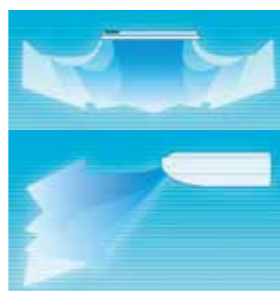


Auto Swing and Wide Angle Air Flow >>

Two direction auto swing - vertical and horizontal.

The range of horizontal air discharge is widened which secures wider air flow distribution to provide more comfortable air circulation no matter where the unit is set up.

Three air flow speeds: low, medium and high; double air guides.



Auto Swing & Wide-angle Airflow

More Comfortable >>

Adopts electrical expansion valve, ensuring precise flow control, lower modulation noise when EXV is operating.

Low noise operations; minimum 36 dB(A).

Smoother airflow and less turbulence due to the multi-blade fan and the air guide design.

Specification

Model			MDV-D36DL/N1-C	MDV-D45DL/N1-C	MDV-D56DL/N1-C	MDV-D71DL/N1-C	MDV-D80DL/N1-C
Power supply			1-phase,220-240V,50Hz				
Capacity	Cooling	kW	3.6	4.5	5.6	7.1	8.0
	Heating	kW	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	49	120	122	125	130
	Heating	W	49	120	122	125	130
Airflow rate(H/M/L)		m ³ /h	650/570/500	800/600/500	800/600/500	800/600/500	1,200/900/700
Sound pressure level(H/M/L)		dB(A)	40/38/36	43/41/38	43/41/38	43/41/38	45/43/40
Sound power level(H/M/L)		dB(A)	51/50/49	54/53/51	54/53/51	54/53/51	56/55/53
Net dimension(WxHxD)		mm	990x203x660	990x203x660	990x203x660	990x203x660	1280x203x660
Packing dimension(WxHxD)		mm	1089x296x744	1089x296x744	1089x296x744	1089x296x744	1379x296x744
Net/gross weight		kg	26/32	28/34	28/34	28/34	34.5/41
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller RM05/BG(T)E-A				

Model			MDV-D90DL/N1-C	MDV-D112DL/N1-C	MDV-D140DL/N1-C	MDV-D160DL/N1-C
Power supply			1-phase,220-240V,50Hz			
Capacity	Cooling	kW	9.0	11.2	14.0	16.0
	Heating	kW	10.0	12.5	15.0	18.0
Power input	Cooling	W	130	182	182	300
	Heating	W	130	182	182	300
Airflow rate(H/M/L)		m ³ /h	1200/900/700	1980/1860/1730	1980/1860/1730	1980/1860/1730
Sound pressure level(H/M/L)		dB(A)	45/43/40	47/45/42	47/45/42	47/45/42
Sound power level(H/M/L)		dB(A)	56/55/53	58/57/55	58/57/55	58/57/55
Net dimension(WxHxD)		mm	1280x203x660	1670x244x680	1670x244x680	1670x244x680
Packing dimension(WxHxD)		mm	1379x296x744	1764x329x760	1764x329x760	1764x329x760
Net/gross weight		kg	34.5/41	54/59	54/59	57.5/63.5
Piping connections	Liquid/gas pipe	mm	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller			Wireless remote controller RM05/BG(T)E-A			

Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
- Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
- Floor standing: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.
Ceiling mounted: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.

Floor Standing



Easy Installation >>

Floor standing types can be hung on the wall or installed on the floor. The floor type unit can make cleaning and maintenance much easier. Running piping from the rear allows the unit to be hung on walls. Cleaning under the unit, where dust tends to accumulate, is considerably easier.

Optional Panel Styles >>

Concealed type's body is concealed in the skirting board to improve aesthetics. The body is just 212mm deep, and can be installed at the room's perimeter. Special installation methods eliminate noise in the room area. Both air intake from front and air intake from below are optional for exposed floor standing type.

Concealed floor standing type



F3B series concealed type



Air intake from front(F4 series)



Air intake from below(F5 series)

Specification

Model	MDV-D22Z/N1-F3B MDV-D28Z/N1-F3B MDV-D36Z/N1-F3B MDV-D45Z/N1-F3B MDV-D56Z/N1-F3B MDV-D71Z/N1-F3B MDV-D80Z/N1-F3B								
Power supply	1-phase,220-240V,50Hz								
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	2.4	3.2	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	40	46	46	49	88	130	130
	Heating	W	40	46	46	49	88	130	130
Airflow rate(H/M/L)	m ³ /h		530/456/400	569/485/421	624/522/375	660/542/440	1,150/970/830	1,380/1,100/870	1,380/1,100/870
Sound pressure level(H/M/L)	dB(A)		36/33/29	36/33/29	37/34/30	37/34/30	41/35/31	44/39/33	44/39/33
Sound power level(H/M/L)	dB(A)		47/45/42	47/45/42	48/46/43	48/46/43	52/47/44	55/51/46	55/51/46
Net dimension(WxHxD)	mm		840x545x212	840x545x212	1040x545x212	1040x545x212	1340x545x212	1340x545x212	1340x545x212
Packing dimension(WxHxD)	mm		939x639x305	939x639x305	1139x639x305	1139x639x305	1425x639x305	1425x639x305	1425x639x305
Net/gross weight	kg		25/27	25/27	29.5/34	29.5/34	33/39	33/39	36/40
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller	Wireless remote controller RM05/BG(T)E-A								

Model	MDV-D22Z/N1-F4 MDV-D28Z/N1-F4 MDV-D36Z/N1-F4 MDV-D45Z/N1-F4 MDV-D56Z/N1-F4 MDV-D71Z/N1-F4 MDV-D80Z/N1-F4 MDV-D22Z/N1-F5 MDV-D28Z/N1-F5 MDV-D36Z/N1-F5 MDV-D45Z/N1-F5 MDV-D56Z/N1-F5 MDV-D71Z/N1-F5 MDV-D80Z/N1-F5								
Power supply	1-phase,220-240V,50Hz								
Capacity	Cooling	kW	2.2	2.8	3.6	4.5	5.6	7.1	8.0
	Heating	kW	2.4	3.2	4.0	5.0	6.3	8.0	9.0
Power input	Cooling	W	40	46	46	49	88	130	130
	Heating	W	40	46	46	49	88	130	130
Airflow rate(H/M/L)	m ³ /h		530/456/400	569/485/421	624/522/375	660/542/440	1,150/970/830	1,380/1,100/870	1,380/1,100/870
Sound pressure level(H/M/L)	F4	dB(A)	36/33/29	36/33/29	37/34/30	37/34/30	41/35/31	44/39/33	44/39/33
	F5	dB(A)	36/33/29	36/33/29	37/34/30	37/34/30	41/35/31	44/39/33	44/39/33
Sound power level(H/M/L)	F4	dB(A)	47/45/42	47/45/42	48/46/43	48/46/43	52/47/44	55/51/46	55/51/46
	F5	dB(A)	47/45/42	47/45/42	48/46/43	48/46/43	52/47/44	55/51/46	55/51/46
Net dimension(WxHxD)	F4	mm	1000x596x225	1000x596x225	1200x596x225	1200x596x225	1500x596x225	1500x596x225	1500x596x225
	F5	mm	1000x677x220	1000x677x220	1200x677x220	1200x677x220	1500x677x220	1500x677x220	1500x677x220
Packing dimension(WxHxD)	F4	mm	1089x683x312	1089x683x312	1289x683x312	1289x683x312	1589x683x312	1589x683x312	1589x683x312
	F5	mm	1182x683x312	1182x683x312	1382x683x312	1382x683x312	1682x683x312	1682x683x312	1682x683x312
Net/gross weight	F4	kg	30/35	30/35	36/44	36/44	41/46.5	41/46.5	42.5/48.5
	F5	kg	30/38	30/38	35.5/41	35.5/41	42/51	42/51	44/53
Piping connections	Liquid/gas pipe	mm	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ6.35/Φ12.7	Φ9.53/Φ15.9	Φ9.53/Φ15.9	Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25	OD Φ25
Standard controller	Wireless remote controller RM05/BG(T)E-A								

Notes:

- Nominal cooling capacities are based on the following conditions: return air temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent ref. piping: 8m(horizontal).
- Nominal heating capacities are based on the following conditions: return air temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent ref. piping: 8m(horizontal).
- Specifications of F3B series are measured at 10Pa external static pressure and F4/F5 series at 0Pa.
- Sound level is measured 1m horizontally from the air-outlet and 1m vertically above the floor.