

# Atom B Series VRF Catalogue



**Midea Building Technologies Division**  
**Midea Group**

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

# Midea MBT

Midea MBT(Midea Building Technologies) is a key division of the Midea Group, a leading provider of comprehensive solutions of intelligent building, involving energy sources, elevators, control systems, and heating, ventilation & air conditioning. Midea MBT has continued with the tradition of innovation upon which it was founded and emerged as a global leader in the HVAC and building management industry. A strong drive for advancement has resulted in an extensive R&D department that has placed Midea MBT at the forefront of a competitive edge. Through these independent projects and joint-cooperation with other global enterprises, Midea has supplied thousands of innovative solutions to customers worldwide.



Several production bases are situated on Shunde, Chongqing, Hefei, and Italy.

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

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

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

**Clivet S.p.A:** 50,000m<sup>2</sup> workshop in Feltre and Verona, covering products such as ELFO system, hydronic, WHLP, packaged, split and close control and so on.





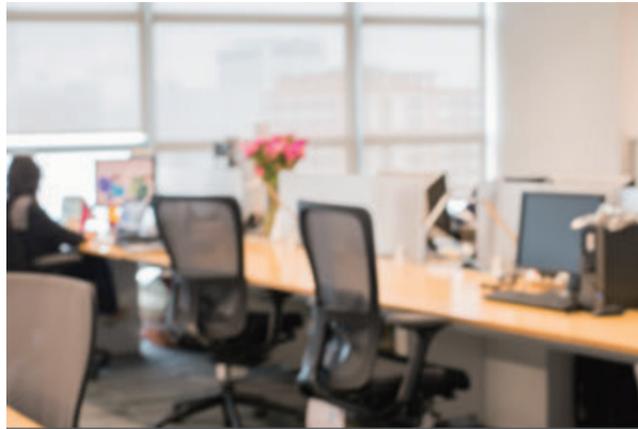
# Application Solutions

## Office Complexes

Enjoy comfort while working

Small office buildings

Meeting rooms



- ◆ Atom B VRF
- ◆ Medium Static Pressure Duct
- ◆ Four-way Cassette
- ◆ Central Controller



- ◆ Atom B VRF
- ◆ Compact Four-way Cassette
- ◆ Central Controller

## Shops & Markets

Increase your business, not your bills

Retails

Restaurant

Markets



- ◆ Atom B VRF
- ◆ Ceiling & Floor Unit
- ◆ Central Controller



- ◆ Atom B VRF
- ◆ Medium Static Pressure Duct
- ◆ Four-way Cassette
- ◆ Central Controller



- ◆ Atom B VRF
- ◆ Medium Static Pressure Duct
- ◆ Central Controller

## Residential Apartments

One for Every home

Apartments

Villas



- ◆ Atom B VRF
- ◆ Medium Static Pressure Duct
- ◆ Wall-mounted Unit
- ◆ Central Controller



- ◆ Atom B VRF
- ◆ Arc Series Duct
- ◆ Remote Controller

## Other Applications

Meeting all expectations

Cinemas

Gym



- ◆ Atom B VRF
- ◆ Medium Static Pressure Duct
- ◆ Central Controller



- ◆ Atom B VRF
- ◆ Medium Static Pressure Duct
- ◆ Central Controller



# MBT Learning Academy

## Objective

MBT Learning Academy aims to provide training to the sales personnel as well as technical personnel in order to increase the utilization for your MBT equipment. Once you have purchased equipment from MBT, taking care of the equipment is topmost priority. MBT Learning Academy offers training courses to learn firsthand from the manufacturer what it takes to get the best out of your MBT product. The goal of MBT Learning Academy is to provide product specific training, safe work procedures and expertise in carrying out the installation and maintenance of MBT products as well as teaching the main selling points in order to help the sales people sell the MBT products with ease.

## Training Centers

Our world class training centers provide knowledge and skills necessary to efficiently deploy MBT technologies. The training centers include dedicated laboratories to provide hands-on experiences with various systems, components and controls to refresh and enhance the skills of your sales, design and installation and service teams. Right now we operate our trainings from the below two locations:

### 1. MBT Training Center

**Address:** MBT Training Center, 2nd Floor, Building 6, Midea Global Innovation Center, Beijiao , Shunde, Foshan, China Pin-528311

The Midea MBT Training Center is situated 70 kilometers from Baiyun Guangzhou International Airport.

**Products:** VRF, M thermal

### 2. Chongqing Midea Training Center

**Address:** No. 15, Qiangwei Road, Nan'an District, Chongqing, China

Chongqing Midea Training Center is 35 kilometers from Chongqing International Airport.

**Products:** Centrifugal Chiller, Screw/Scroll Chiller and Terminals



VRF training



M thermal training



Chiller training

## Global Technical Trainings

The training courses by MBT Learning Academy are divided into the following two categories with different targeted audiences for each.

**Design and Application Trainings:** The design and application trainings for various products are basically for the sales personnel selling MBT products in order to give them basic understanding about the main features. The trainings are conducted on a global level inviting sales engineers, technical engineers, consultants and project designers from different parts of the world.

**After Sales- Service Trainings:** These trainings are dedicated for the After Sales/ Service personnel in order for them to better carry out the installation, commissioning and maintenance of MBT products. Technical person and engineers from different parts of the world are invited to take part in these trainings.

**Online Trainings:** The trainings to the Global customers can also be done online with the help of Team and Midea Meeting software. This way, the customers do not need to be physically present for the training. Amid the COVID-19 pandemic, MBT Learning Academy has conducted a lot of online trainings. The training videos are available on the TSP system and can be downloaded by using QR codes.

**Products:** VRF, M thermal, Chillers and Terminals

**Highly Skilled Trainers:** The trainers for various courses by MBT Learning Academy are expert people with vast experiences in their field. Most of them have a deep insight about the global HVAC market and help the attendees to better understand the MBT products.

**Training Certificates:**

The attendees for Global trainings are provided a training certificate highlighting the courses discussed in the training, signed by Mr. Henry Cheng, General Manager of MBT Overseas Sales Company.

**Registration:**

You can contact your respective Midea contact point to provide you with the complete schedule about the global technical trainings as well as how to register for these trainings.

For further enquiries about the Global Trainings conducted by MBT Learning Academy, please send email at the following email address: [peeyush@midea.com](mailto:peeyush@midea.com)



# Engineering Capability Midea Tool and Support

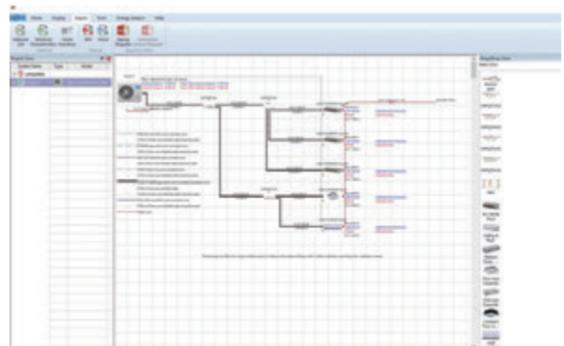
Midea dedicated to provide the best HVAC engineering support and solutions focused on effectively designed, built, supervised, and maintained throughout the lifecycle, providing our customers a faster, easier, and a more accurate way in everyday duties.



## MSSP-Drag/Drop Design

MSSP-Drag/Drop design enables an easy and quick selection and provides comprehensive system design reports and calculations.

Note: MSSP (Midea Selection Software Platform)



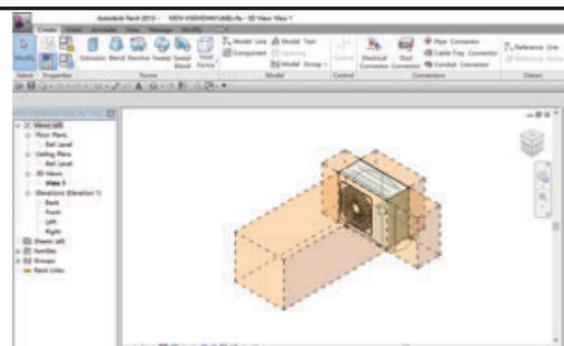
## Flash AC Design APP

Flash AC design can quickly select a design solution according to different applications through the mobile phone, provide design report and simple quotation.



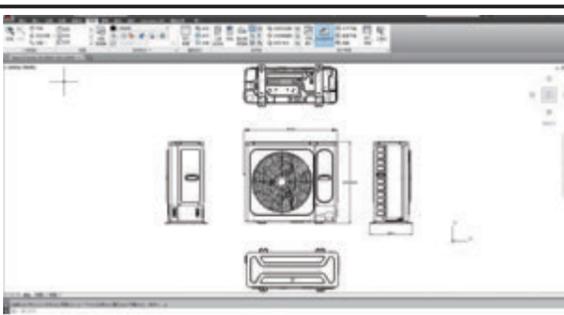
## Revit Family

Midea revit is developed to make 3D design of Midea products easier than the previous program. It enables engineers to check 3D images from design stage and prevents possible issues of the installation stage.



## CAD Drawing

CAD enables faster and a more accurate design of Midea products.

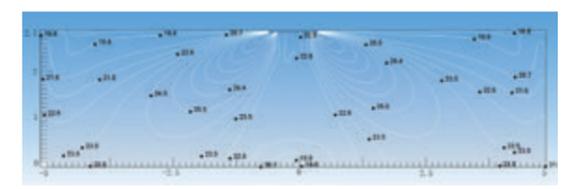
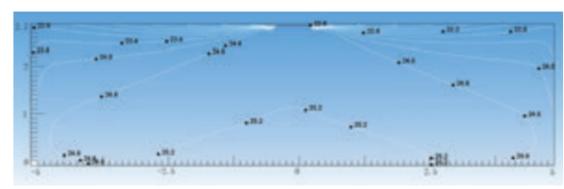
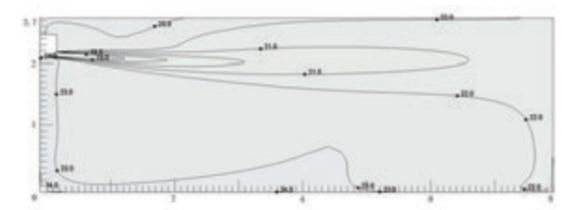
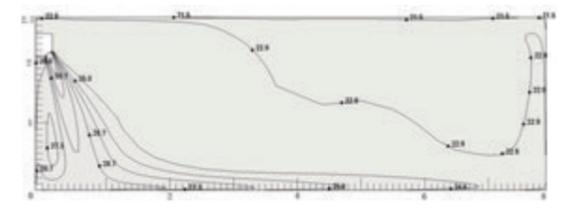


## SIMULATION

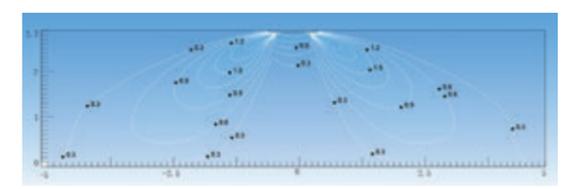
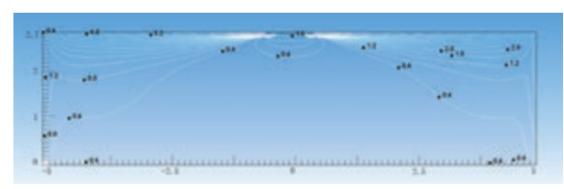
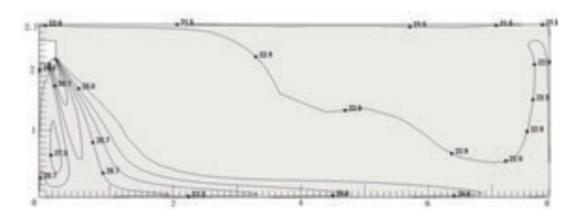
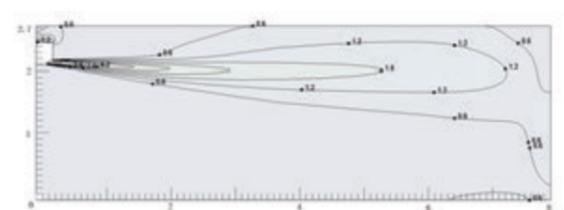
### CFD (Computational Fluid Dynamics)

CFD Analysis is applied in areas of estimating: indoor airflow and temperature distribution. By running a simulation before construction, engineers estimate possible issues and find optimal solutions of malfunction that could occur after construction

#### Temperature distribution



#### Airflow distribution



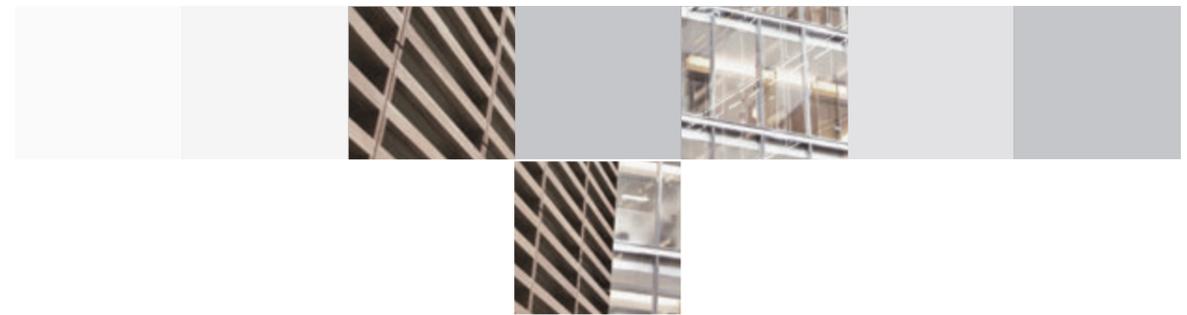




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## 01 OUTDOOR UNITS

- 17 ATOM B Series

# OUTDOOR UNITS

ATOM B Series



**SMALL  
YET  
POWERFUL**

# Atom VRF Outdoor Unit

HP		3	4	4.5	5	6	6.5
Btu/h		28K	36K	42K	48K	56K	60K
Atom B		220-240V/1Ph/50(60)Hz	●	●	●	●	●

## Outdoor Unit Functions

Functions		Atom B
High Efficiency	Full inverter compressors	●
	Full DC fan motors	●
High Reliability	Anti - corrosion protection	●
	Refrigerant cooling PCB	●
Enhanced Comfort	Intelligent defrosting technology	●
	Multiple priority modes	●
Easy Installation and Service	Auto addressing	●
	Long piping length	●
	Digit display	3 digit 7-segment display
	All flare connections	●
	Saving more installation space	●
	Easy transportation	●
Tool and Support	MSSP software	●
	Flash AC Design APP	●

Note:  
●: equipped as standard;



## WIDE CAPACITY RANGE

### Wide Capacity Range

Atom's capacity is from 28kbtu/h to 60kbtu/h. The wide capacity range adapt to more conditions. It can help to freeing up considerable space outside by less number of outdoor units.



### 1 to 9 Indoor Units Connection

A single outdoor unit supports **1 to 9** indoor units, freeing up considerable space outside. Use your backyard more wisely with much more space available created by less number of outdoor units



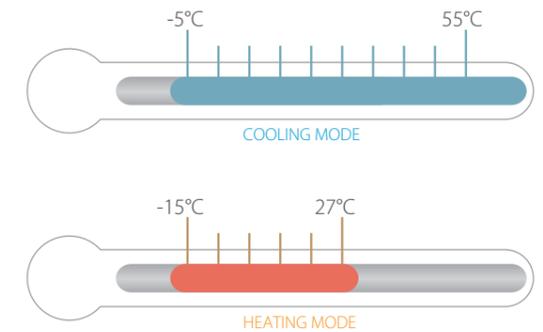
### Wide Range of Indoor Units

Atom B indoor units including One-way cassette, Four-way cassette, Compact Four-way cassette, Wall mounted, Ceiling & Floor, Medium static pressure duct, Arc series duct and High static pressure duct. The capacity is from 5kbtu/h to 56kbtu/h. Multiple types of indoor units to meet varied indoor requirements.



## Wide Operation Range

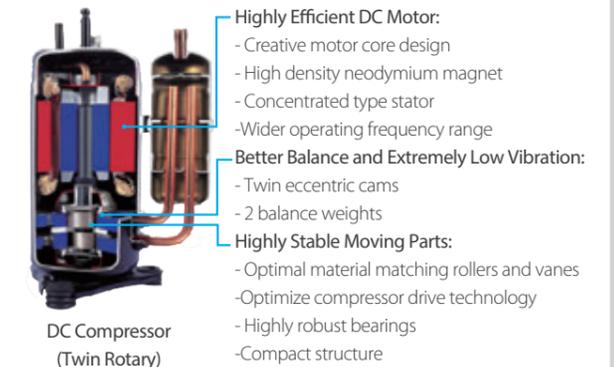
The VRF system operates stably under extreme conditions, ranging from minus -15°C to 55°C.



## HIGH EFFICIENCY, HIGH RELIABILITY

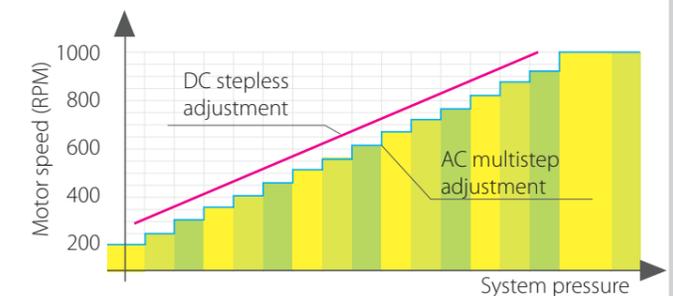
### DC Inverter Compressor

DC inverter compressors make 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 environment.



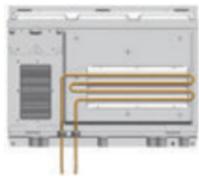
### DC Fan Motor

DC fan motor features in DC stepless adjustment, maintaining system with the minimum power consumption, which offer you best comfort and less cost.



### Refrigerant Cooling PCB

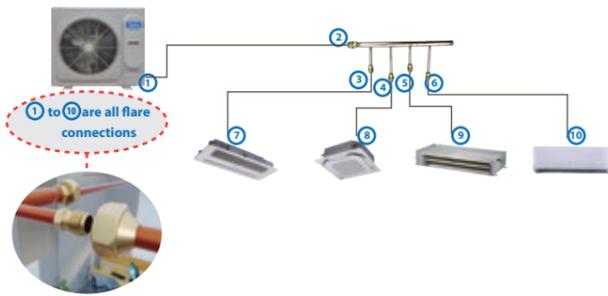
The unit uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



## QUICK INSTALLITON, EASY INSTALLITON

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

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



### Less Required Space for VRF Installation

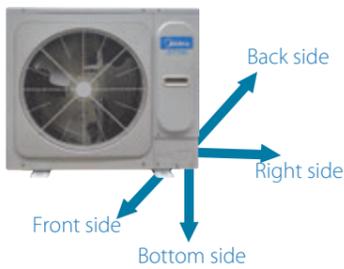
There's only one pipe for ATOM B VRF to connect indoor and outdoor units, which not only includes less special pipe and punching needs, but also reduces pipes space. In this way, there would be less occupied space for VRF installation.



One group of main pipe for one system

### Four-Way Piping Connection

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



### Auto Addressing

Outdoor units can distribute addresses to indoor units automatically. Remote and wired controllers can be used to query or modify each indoor unit's address.



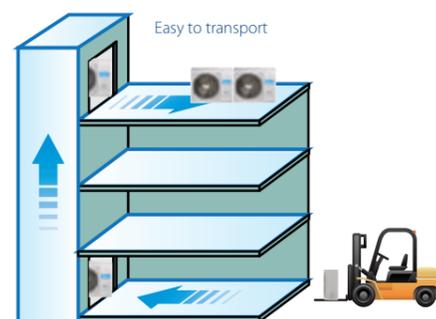
### Saving More Installation Space

The capacity of a single unit can be up to 60kBTu/h, and the minimum footprint is 0.39m<sup>2</sup>. The smaller footprint allows for a variety of installation spaces.



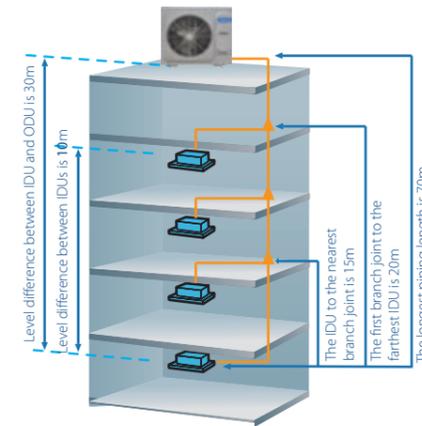
### Easy Transportation

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



### Long Piping Length

The ATOM B series Mini VRF provides a total piping length possibility of 130m, a maximum height difference between out-door and indoor units of 30m. The height difference between indoor units can be up to 10m. These generous allowances facilitate an extensive array of system designs.

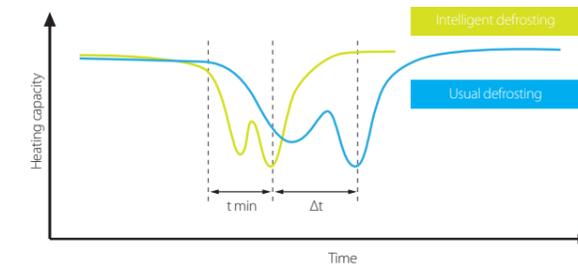


		Permitted value(m)	28 kBTu/h	36/42 kBTu/h	48/56/60 kBTu/h
Pipe Length	Total Pipe Length(Actual)		70	90	130
	Longest Piping	Actual Length	35	45	60
		Equivalent Length	40	50	70
Pipe Length(IDU to the nearest branch)			20	20	20
Level Difference	Level difference between IDU-ODU	Outdoor Unit Up	10	20	30
		Outdoor Unit Down	10	20	20
	Level difference between IDU-IDU			10	10

## ENHANCED COMFORT

### Intelligent Defrosting Technology

The intelligent defrosting program calculates the time required for defrosting according to the actual system status, eliminating heat losses from unnecessary defrosting. A specialized defrosting valve reduces time required for defrosting to as little as four minutes.



### Multiple Priority Modes

Multiple priority modes settings, provide more freedom and convenience to match the customer needs.



## ATOM B Series - Heat Pump

220-240V/1Ph/50(60)Hz

Model			MDV-V28WDHN1(AtB)	MDV-V36WDHN1A(AtB)	MDV-V42WDHN1A(AtB)
Power supply		V-Ph-Hz	220-240/1/ 50(60)		
Cooling <sup>1</sup>	Capacity	kBtu/h	27	34	42
		kW	8	10	12.3
	Input	kW	2.1	2.55	3.39
	EER	kW/ kW	3.81	3.92	3.87
Heating <sup>2</sup>	Capacity	kBtu/h	30	41	47
		kW	9	12	14
	Input	kW	2.04	2.97	3.45
	COP	kW/ kW	4.41	4.04	4.06
Connectable indoor unit	Total capacity		45~130% of outdoor unit capacity		
	Quantity		1~4	1~6	1~7
Compressor	Type		DC inverter	DC inverter	DC inverter
	Quantity		1	1	1
	Oil type		RB74AF	VG74	VG74
Fan	Motor type		DC motor	DC motor	DC motor
	Quantity		1	1	1
	Output	W	80	80	170
Outdoor air flow		m <sup>3</sup> /h	3750	4000	4900
Sound pressure level <sup>3</sup>		dB(A)	54	54	56
Net dimensions (WxHxD)		mm	910x712x426	910x712x426	950x840x440
Packed dimensions (WxHxD)		mm	1045x810x485	1045x810x485	1025x950x510
Net weight		kg	49	52.5	62.5
Gross weight		kg	53	56.5	69.5
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	g	1700	2600	3200
	Throttle type		Electronic expansion valve		
Pipe connections	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53
	Gas pipe	mm	Φ15.9	Φ15.9	Φ15.9
Ambient Temp. operation range	Cooling	°C	-15~55		
	Heating	°C	-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; connect to Cassette type indoor unit.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference; connect to Cassette type indoor unit.
3. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

Model			MDV-V48WDHN1(AtB)	MDV-V56WDHN1(AtB)	MDV-V60WDHN1(AtB)
Power supply		V-Ph-Hz	220-240/1/ 50(60)		
Cooling <sup>1</sup>	Capacity	kBtu/h	47	52	59
		kW	14	15.5	17.5
	Input	kW	3.97	4.87	6.12
	EER	kW/ kW	3.53	3.18	2.86
Heating <sup>2</sup>	Capacity	kBtu/h	54	61	66
		kW	16	18	19.5
	Input	kW	3.98	4.82	5.57
	COP	kW/ kW	4.02	3.73	3.5
Connectable indoor unit	Total capacity		45~130% of outdoor unit capacity		
	Quantity		1~8	1~9	1~9
Compressor	Type		DC inverter	DC inverter	DC inverter
	Quantity		1	1	1
	Oil type		RB74AF	RB74AF	RB74AF
Fan	Motor type		DC motor	DC motor	DC motor
	Quantity		1	1	1
	Output	W	170	170	170
Outdoor air flow		m <sup>3</sup> /h	5200	5000	5300
Sound pressure level <sup>3</sup>		dB(A)	56	56	57
Net dimensions (WxHxD)		mm	950x840x440	950x840x440	1040x865x523
Packed dimensions (WxHxD)		mm	1025x950x510	1025x950x510	1120x980x560
Net weight		kg	75	77.5	90.5
Gross weight		kg	82	84.5	99
Refrigerant	Type		R410A	R410A	R410A
	Factory charge	g	3100	3600	4600
	Throttle type		Electronic expansion valve		
Pipe connections	Liquid pipe	mm	Φ9.53	Φ9.53	Φ9.53
	Gas pipe	mm	Φ15.9	Φ19.1	Φ19.1
Ambient Temp. operation range	Cooling	°C	-15~55		
	Heating	°C	-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; connect to Cassette type indoor unit.
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3. Sound pressure level is measured at a position 1m in front of the unit and 1m above the floor in a semi-anechoic chamber.

## INDOOR UNITS

- One-way Cassette
- Four-way Cassette
- Compact Four-way Cassette
- Arc Series Duct
- Medium Static Pressure Duct
- High Static Pressure Duct
- Wall Mounted
- Ceiling & Floor



# Inoor Unit Lineup

## Atom VRF Indoor Unit

kW		1.5	1.8	2.2	2.8	3.6		4.5	5.6	7.1	8	9	10	11.2	14	16
Btu/h		5K	6K	7K	9K	12K		15K	18K	24K	28K	32K	36K	40K	48K	56K
One-way Cassette			●	●	●	●		●	●	●						
Four-way Cassette					●	●		●	●	●	●	●	●	●	●	●
Compact Four-way Cassette		●		●	●	●		●								
Arc Series Duct		●		●	●	●		●	●	●						
Medium Static Pressure Duct				●	●	●		●	●	●	●	●		●	●	●
High Static Pressure Duct										●	●	●		●	●	●
Wall Mounted				●	●	●		●	●	●	●	●				
Ceiling & Floor						●		●	●	●	●	●		●	●	

● Indoor Units ● AC Indoor Units

# Indoor Unit Functions

Functions		One-way Cassette	Compact Four-way Cassette		Four-way Cassette	Arc Series Duct	Medium Static Pressure Duct	High Static Pressure Duct	Wall Mounted	Ceiling & Floor
Comfort	Cold air prevention	When starting to warm up, the fan speed is automatically adjusted according to coil temperature to prevent cold air discharge. After warming up, fan speed is set as desired	●	●		●	●	●	●	●
	Quiet operation	All indoor units are quiet operation	●	●		●	●	●	●	●
	Auto cooling-heating changeover <sup>1</sup>	Automatically selects cooling or heating mode to achieve the set temperature	●	●		●	●	●	●	●
	Digital display on/off	Indoor unit displays can be shut off at night, creating a better environment for rest	●	●		●	●	●	●	●
	Buzzer sound on/off	The buzzer sound of the indoor unit can be turned off to create a quieter environment	●	●		●	●	●	●	●
	Heat stratification compensation	The heat stratification compensation function in HEAT mode obtains a value that more closely reflects the true temperature of the air conditioned space	●	●		●	●	●	●	●
	Two thermistors control	The indoor temperature can be checked using the thermistor in the remote controller as well as from the indoor unit	●	●		●	●	●	●	●
	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	●	●		●	●	●	●	●
Health	Air filter	Removes airborne dust particles to ensure a steady supply of clean air	●	●		●	●	●	●	●
	Fresh air intake	A reserved outside air intake port allows outdoor air to be introduced directly into the unit	● (15-24)	●		●	●	●	×	×
	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	●	●		●	●	●	●	●
Air flow	Vertical swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution	5 steps setting+auto	5 steps setting+auto		5 steps setting+auto	×	×	×	5 steps setting+auto
	Horizontal swing	Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution	Manually set fixed angle+auto (15-24)	×		×	×	×	×	Manually set fixed angle+auto
	Fan speed steps	3 or 7 fan speeds can be selected to optimize comfort levels	3+auto	3+auto		3+auto	7+auto	3+auto	3+auto	7+auto
	Individual louver control <sup>2</sup>	Individual louver control via the wired remote controller makes it simple to fix the position of each flap individually	×	×		● (360° panel)	×	×	×	×
	Auto fan speed	Automatically controls rotation speed of fan depending on indoor load to achieve efficiency and comfort simultaneously	●	●		●	●	●	●	●
	Soft wind mode	Supply air against the ceiling to create windless environment	×	×		●	×	×	×	×
	Adjustable ESP	ESP can be adjusted over a wide range to ensure constant airflow	×	×		×	●	10-steps(56) ×(07 to 48)	×	×
Remote control & timer	Timer	Timer can be set to start and stop operation anytime on a daily or weekly basis	●	●		●	●	●	●	●
	Infrared remote control	Infrared remote control with LCD to remotely control your indoor unit	●	●		●	●	●	●	●
	Wired remote control	Wired remote control to remotely control your indoor unit	●	●		●	●	●	●	●
	Group control	Up to 16 indoor units can be in a group control system	●	●		●	●	●	●	×
	Centralized control	Centralized control to control several indoor units from one single point	●	●		●	●	●	●	●
	°C/°F setting	Temperature unit °C or °F can be set according to your usage habits	●	●		●	●	●	●	●
Other functions	Energy saving <sup>3</sup>	Using Infrared Sensor Controller automatically turns indoor units on or off upon sensing that the room is occupied or unoccupied,ensuring climate control whilst minimizing energy consumption	●	●		●	●	●	●	●
	Auto-restart	The unit restarts automatically at the original settings after power failure	●	●		●	●	●	●	●
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies	●	●		●	●	●	●	●
	Drain pump	Facilitates condensation draining from the indoor unit	●	●		●	●	●	○	×
	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating	●	●		●	●	●	●	●
	Long-distance on/off function	Long-distance startup or shutoff the system	○	○		○	○	○	○	○
	Long-distance alarm function	Long-distance alarm when an error occurs	○	○		○	○	○	○	○
	Multiple protections	Multiple protections make the unit run more reliably	●	●		●	●	●	●	●
Easy cleaning	The unit is easy cleaning thanks to the rational design	●	●		●	●	●	●	●	

Note:  
 ●: equipped as standard; ○: customization option; ×: without this function

1. Please contact your local dealer for detailed information.

2. The indoor units must be customized before order so as to use 360° panel with individual louver control,inproper combinations may cause malfunction.

3. Energy saving function needs to be realized with the infrared sensor controller.

# One-way Cassette



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

## Key Features

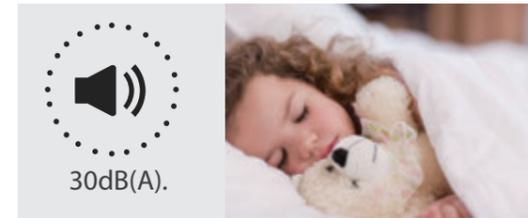
One-way Cassette		
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Fresh air intake	● (15-24)
	Dirty filters indicator signal	●
Air flow	Multiple fan speeds	3+auto
	Multiple steps vertical swing	5+auto
Easy installation	Minimized height	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm

Note:  
● equipped as standard

## COMFORT

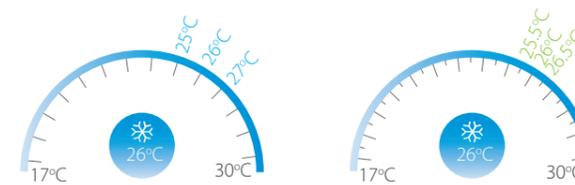
### Quiet Operation

The One-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 30dB(A).



### 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.



### Digital Display On/Off

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



### Buzzer Sound On/Off

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



## HEALTH

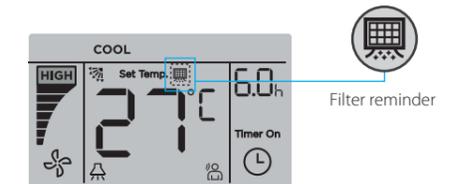
### Fresh Air Intake

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.



### Dirty Filters Indicator Signal

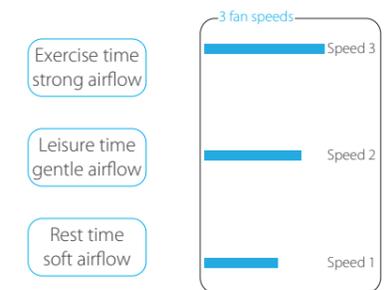
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



## AIR FLOW

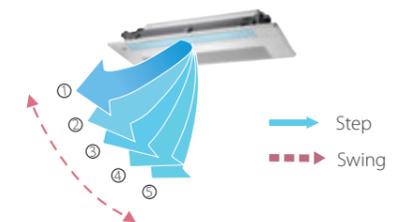
### Multiple Fan Speeds

The One-way cassette 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.



# EASY INSTALLATION

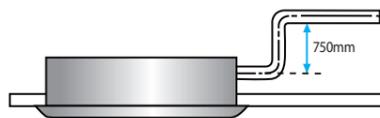
## Easy Installation

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.



## High-lift Drain Pump

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



## Specifications - AC Series

### 50Hz Series

Model			MDV-D06Q1/N1-D(At)	MDV-D07Q1/N1-D(At)	MDV-D09Q1/N1-D(At)	MDV-D12Q1/N1-D(At)
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	6(1.8)	7(2.2)	9(2.8)	12(3.6)
	Input	W	41	41	41	41
Heating <sup>2</sup>	Capacity	kW	7(2.2)	8(2.6)	10(3.2)	13(4)
	Input	W	41	41	41	41
Indoor fan motor	Type		AC			
	Quantity		1			
Airflow rate (H/M/L)	m <sup>3</sup> /h		523/404/275	523/404/275	573/456/315	573/456/315
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		37/34/30	37/34/30	39/37/34	39/37/34
Refrigerant type			R410A			
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1054x153x425			
	Packing (WxHxD)	mm	1155x245x490			
	Net/Gross weight	kg	12.5/16		13/16.5	
Panel	Dimension (WxHxD)	mm	1180x25x465			
	Packing (WxHxD)	mm	1232x107x517			
	Net/Gross weight	kg	3.5/5.2			
Pipe connections	Liquid pipe	mm	Φ6.35			
	Gas pipe	mm	Φ12.7			
	Drain pipe	mm	OD Φ25			

Model			MDV-D15Q1/N1-D(At)	MDV-D18Q1/N1-D(At)	MDV-D24Q1/N1-D(At)
Power supply			1 phase, 220-240V, 50Hz		
Cooling <sup>1</sup>	Capacity	kW	15(4.5)	19(5.6)	24(7.1)
	Input	W	48	48	60
Heating <sup>2</sup>	Capacity	kW	17(5)	21(6.3)	27(8)
	Input	W	48	48	60
Indoor fan motor	Type		AC		
	Quantity		1		
Airflow rate (H/M/L)	m <sup>3</sup> /h		693/600/476	792/688/549	933/749/592
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		41/39/35	42/40/36	44/41/37
Refrigerant type			R410A		
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1275x189x450		
	Packing (WxHxD)	mm	1370x295x505		
	Net/Gross weight	kg	18.5/22.8	18.8/23.1	19.5/23.8
Panel	Dimension (WxHxD)	mm	1350x25x505		
	Packing (WxHxD)	mm	1410x95x560		
	Net/Gross weight	kg	4/5.4		
Pipe connections	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.

## Specifications - AC Series

### 60Hz Series

Model			MDV-D06Q1/VN1-D(At)	MDV-D07Q1/VN1-D(At)	MDV-D09Q1/VN1-D(At)	MDV-D12Q1/VN1-D(At)
Power supply			1 phase, 220-240V, 60Hz			
Cooling <sup>2</sup>	Capacity	kW	6(1.8)	7(2.2)	9(2.8)	12(3.6)
	Input	W	41	41	41	41
Heating <sup>2</sup>	Capacity	kW	7(2.2)	8(2.6)	10(3.2)	13(4)
	Input	W	41	41	41	41
Indoor fan motor	Type		AC			
	Quantity		1			
Refrigerant type			R410A			
Airflow rate (H/M/L)	m <sup>3</sup> /h		523/404/275		573/456/315	
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		37/34/30	37/34/30	39/37/34	39/37/34
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1054x153x425			
	Packing (WxHxD)	mm	1155x245x490			
	Net/Gross weight	kg	12.5/16		13/16.5	
Panel	Dimension (WxHxD)	mm	1180x25x465			
	Packing (WxHxD)	mm	1232x107x517			
	Net/Gross weight	kg	3.5/5.2			
Pipe connections	Liquid pipe	mm	Φ6.35			
	Gas pipe	mm	Φ12.7			
	Drain pipe	mm	OD Φ25			

Model			MDV-D15Q1/VN1-D(At)	MDV-D18Q1/VN1-D(At)	MDV-D24Q1/VN1-D(At)
Power supply			1 phase, 220-240V, 60Hz		
Cooling <sup>2</sup>	Capacity	kW	15(4.5)	19(5.6)	24(7.1)
	Input	W	54	60	75
Heating <sup>2</sup>	Capacity	kW	17(5)	21(6.3)	27(8)
	Input	W	54	60	75
Indoor fan motor	Type		AC		
	Quantity		1		
Refrigerant type			R410A		
Airflow rate (H/M/L)	m <sup>3</sup> /h		693/600/476	792/688/549	933/749/592
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		41/39/35	42/40/36	44/41/37
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1275x189x450		
	Packing (WxHxD)	mm	1370x295x505		
	Net/Gross weight	kg	18.5/22.8	18.8/23.1	19.5/23.8
Panel	Dimension (WxHxD)	mm	1350x25x505		
	Packing (WxHxD)	mm	1410x95x560		
	Net/Gross weight	kg	4/5.4		
Pipe connections	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.

# Four-way Cassette



360° airflow for immediate, equal distribution of wider-angle cooling and heating, idea for standard ceilings.

## Key Features

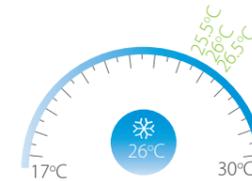
Four-way Cassette		
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	●
	Fresh air intake	●
	Dirty filters indicator signal	●
Air flow	360° airflow	●
	Individual louver control	○
	Soft wind	●
	Multiple fan speeds	3+auto
	Multiple steps vertical swing	5+auto
Easy installation	Compact size	●
	High ceiling installation	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm

Note:  
● equipped as standard; ○ customization option

## COMFORT

### 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.



### Digital Display On/Off

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



### Buzzer Sound On/Off

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



## HEALTH

### Optional G3-class Air Filter

The DC Four-way Cassette supports 30Pa external static pressure for the G3-class filter installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μm), creating a cleaner living environment.

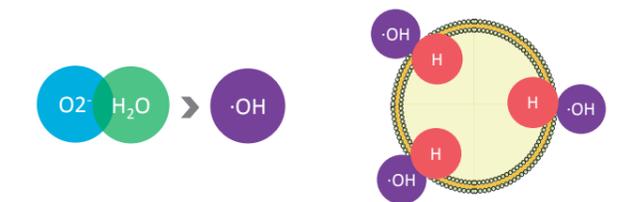


The optional filter comply with EN779:2012

Note: This function is available for 360° panel only.

### Ionizer Sterilization

The powerful Ionizer protects you from bad odors and harmful bacteria. The circulating sterilization rate is over 96%.



1. Negative ions combine with water molecules to form OH radicals

2. OH radical extraction of hydrogen from bacterial proteins

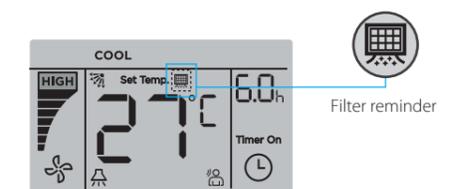


3. Components of bacterial tissues are destroyed and become ineffective (realize sterilization)

4. OH radicals eventually reduce to natural water molecules (pollution-free)

### 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.



Filter reminder

## AIR FLOW

### 360° Airflow

New design, round air flow path ensures uniform air flow and temperature distribution.



### Individual louver control\*

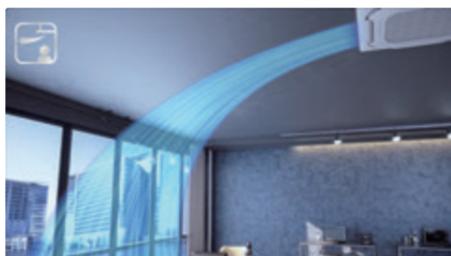
The Individual louver control can control the motors separately, making it possible to control all four louvers independently.



\*The indoor units must be customized before order so as to use 360° panel with individual louver control, improper combinations may cause malfunction

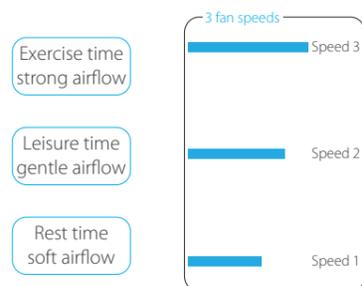
### Soft Wind Mode

In soft wind mode, supply air against the ceiling to create windless environment, more comfort.



### Multiple Fan Speeds

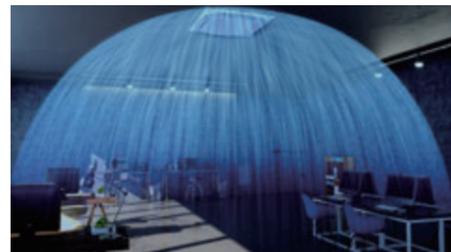
The Four-way cassette with 3 indoor fan speed options to meet the needs of different indoor conditions.



## EASY INSTALLATION

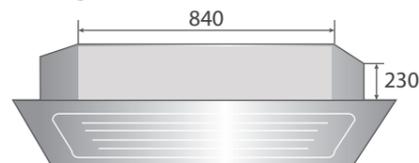
### High Ceiling Installation

The Four-way Cassette reserves a super high fan speed for high ceiling installation, it can provide power full cooling and heating up to 4.2m in height from floor.



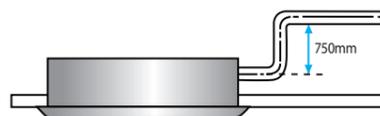
### Compact Size

The height of models 09 to 28 are just 230mm whilst models 32 to 48 are 300mm, making the Four-way Cassette idea for standard ceilings.



### High-lift Drain Pump

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



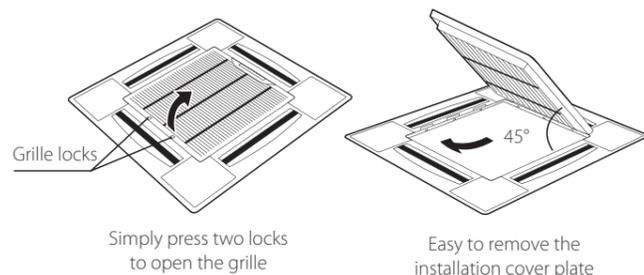
### Sub Duct

Connecting a sub-duct enables an indoor unit to be used to also cool a smaller nearby space.



### Convenient Panel Installation

The user-friendly design makes the panels very easy to install and simplifies field work.



## Specifications - AC Series

### 50Hz Series

Model		MDV-D09Q4/N1-E(A)	MDV-D12Q4/N1-E(A)	MDV-D15Q4/N1-E(A)	MDV-D18Q4/N1-E(A)	MDV-D24Q4/N1-E(A)	
Power supply		1 phase, 220-240V, 50Hz					
Cooling <sup>1</sup>	Capacity	kW	9(2.8)	12(3.6)	15(4.5)	19(5.6)	24(7.1)
	Power input	W	80	80	88	88	88
Heating <sup>2</sup>	Capacity	kW	10(3.2)	13(4)	17(5)	21(6.3)	27(8)
	Power input	W	80	80	88	88	88
Indoor fan motor	Type	AC					
	Quantity	1					
Refrigerant type		R410A					
Airflow rate (H/M/L)	m <sup>3</sup> /h	764/638//554	764/638//554	905/740//651	905/740//651	950/767//663	
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35	
Indoor unit	Dimension* (WxHxD)	840x230x840					
	Packing (WxHxD)	955x260x955					
	Net/Gross weight	21.5/26.7		23.7/28.9			
Panel	Dimension (WxHxD)	950x50x950					
	Packing (WxHxD)	1035x89x1035					
	Net/Gross weight	5.8/7.9					
Pipe connections	Liquid pipe	Φ6.35			Φ9.53		
	Gas pipe	Φ12.7			Φ15.9		
	Drain pipe	ODΦ32					

Model		MDV-D28Q4/N1-E(A)	MDV-D32Q4/N1-E(A)	MDV-D36Q4/N1-E(A)	MDV-D40Q4/N1-E(A)	MDV-D48Q4/N1-E(A)	MDV-D56Q4/HN1-E(A)	
Power supply		1 phase, 220-240V, 50Hz						
Cooling <sup>1</sup>	Capacity	kW	27(8)	30(9)	34(10)	38(11.2)	47(14)	54(16)
	Power input	W	110	140	165	165	176	170
Heating <sup>2</sup>	Capacity	kW	30(9)	34(10)	37(11.1)	42(12.5)	54(16)	61(18)
	Power input	W	110	140	165	165	176	170
Indoor fan motor	Type	AC					DC	
	Quantity	1					1	
Refrigerant type		R410A				R410A		
Airflow rate (H/M/L)	m <sup>3</sup> /h	1200/1021/789	1332/1129/908	1651/1304/1127	1651/1304/1127	1658/1335/1130	2100/1950/1800/1750/1600/1450/1350	
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)	42/39/37	43/39/38	45/42/40	45/42/40	46/41/39	46/44/42/41/39/38/37	
Indoor unit	Dimension* (WxHxD)	840x230x840		840x300x840			950x300x950	
	Packing (WxHxD)	955x260x955		955x330x955			1050x335x1050	
	Net/Gross weight	23.7/28.9		28.7/34.1	28.7/34.1	28.7/34.1	30.9/36.3	35.3/41.2
Panel	Dimension (WxHxD)	950x50x950						
	Packing (WxHxD)	1035x89x1035						
	Net/Gross weight	5.8/7.9						
Pipe connections	Liquid pipe	Φ9.53					Φ9.53	
	Gas pipe	Φ15.9					Φ15.9	
	Drain pipe	ODΦ32						

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.

Model			MDV-D09Q4/VN1-E(At)	MDV-D12Q4/VN1-E(At)	MDV-D15Q4/VN1-E(At)	MDV-D18Q4/VN1-E(At)	MDV-D24Q4/VN1-E(At)	MDV-D28Q4/VN1-E(At)
Power supply			1 phase, 220-240V, 60Hz					
Cooling <sup>1</sup>	Capacity	kW	9(2.8)	12(3.6)	15(4.5)	19(5.6)	24(7.1)	27(8)
	Input	W	80	80	88	88	105	120
Heating <sup>2</sup>	Capacity	kW	10(3.2)	13(4)	17(5)	21(6.3)	27(8)	30(9)
	Input	W	80	80	88	88	105	120
Indoor fan motor	Type		AC					
	Quantity		1					
Refrigerant type			R410A					
Airflow rate (H/M/L)	m <sup>3</sup> /h		791/674/596	791/674/596	942/777/662	942/777/662	1235/1013/805	1235/1013/805
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		30/25/22	30/25/22	35/31/27	35/31/27	43/37/31	43/37/31
Indoor unit	Dimension* (WxHxD)	mm	840x230x840					
	Packing (WxHxD)	mm	955x260x955					
	Net/Gross weight	kg	21.5/26.7		23.7/28.9			
Panel	Dimension (WxHxD)	mm	950x50x950					
	Packing (WxHxD)	mm	1035x89x1035					
	Net/Gross weight	kg	5.8/7.9					
Pipe connections	Liquid pipe	mm	Φ6.35			Φ9.53		
	Gas pipe	mm	Φ12.7			Φ15.9		
	Drain pipe	mm	OD Φ32					

Model			MDV-D32Q4/VN1-E(At)	MDV-D36Q4/VN1-E(At)	MDV-D40Q4/VN1-E(At)	MDV-D48Q4/VN1-E(At)	MDV-D56Q4/HN1-E(At)
Power supply			1 phase, 220-240V, 60Hz				
Cooling <sup>1</sup>	Capacity	kW	30(9)	34(10)	38(11.2)	47(14)	54(16)
	Input	W	187	200	200	220	170
Heating <sup>2</sup>	Capacity	kW	34(10)	37(11.1)	42(12.5)	54(16)	61(18)
	Input	W	187	200	200	220	170
Indoor fan motor	Type		AC				DC motor
	Quantity		1				1
Refrigerant type			R410A				R410A
Airflow rate (H/M/L)	m <sup>3</sup> /h		1333/1158/957		1634/1219/1139	1692/1243/1157	2100/1950/1800/1750/1600/1450/1350
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		43/38/32		45/37/35	46/38/37	46/44/42/41/39/38/37
Indoor unit	Dimension* (WxHxD)	mm	840x300x840				950x300x950
	Packing (WxHxD)	mm	955x330x955				1050x335x1050
	Net/Gross weight	kg	28.7/34.1		30.9/36.3		35.3/41.2
Panel	Dimension (WxHxD)	mm	950x50x950				1050x55x1050
	Packing (WxHxD)	mm	1035x89x1035				1115x100x1115
	Net/Gross weight	kg	5.8/7.9				7.4/9.7
Pipe connections	Liquid pipe	mm	Φ9.53				Φ9.53
	Gas pipe	mm	Φ15.9				Φ15.9
	Drain pipe	mm	OD Φ32				OD Φ32

## Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

# Compact Four-way Cassette



Compact design allows installation in shallow ceilings.

## Key Features

### Compact Four-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	●
	Dirty filters indicator signal	●
Air flow	360° airflow	●
	Multiple fan speeds	3+auto
	Multiple steps vertical swing	5+auto
Easy installation	Compact size	●
	High-lift drain pump	Rated head: 1000mm Raise height: 500mm

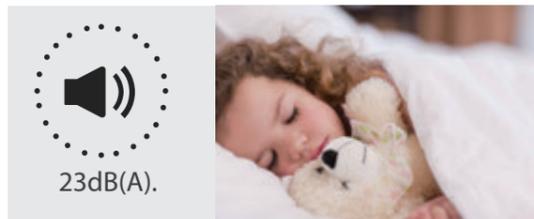
## Note:

- : equipped as standard;

## COMFORT

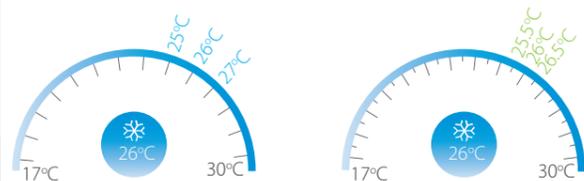
### Quiet Operation

The Compact Four-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 23dB(A).



### 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.



### Digital Display On/Off

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



### Buzzer Sound On/Off

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



## HEALTH

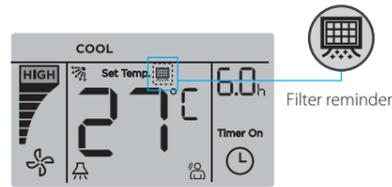
### Fresh Air Intake

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.



### Dirty Filters Indicator Signal

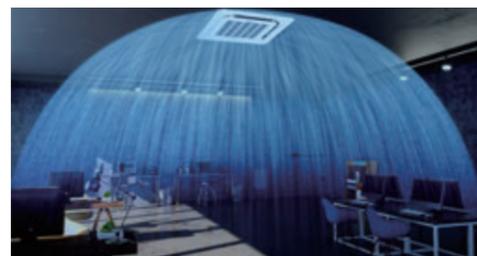
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



## AIR FLOW

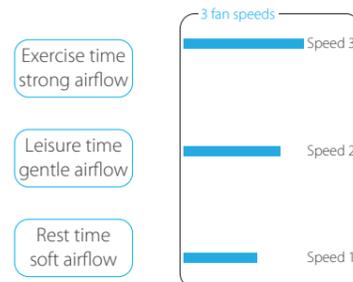
### 360° Airflow

The Compact Four-way Cassette's 360° air outlets provide strong airflow circulation to cool or heat every corner of a room and evenly control temperature.



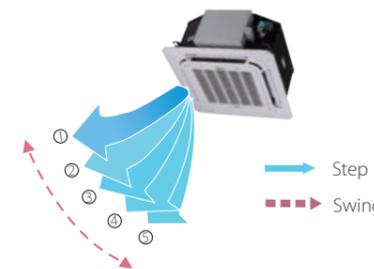
### Multiple Fan Speeds

The Compact Four-way cassette with 3 indoor fan speed options to meet the needs of different indoor conditions.



### Multiple Steps Vertical Swing

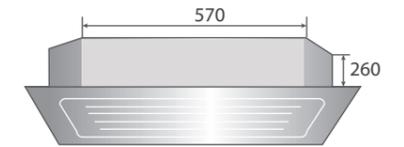
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



## EASY INSTALLATION

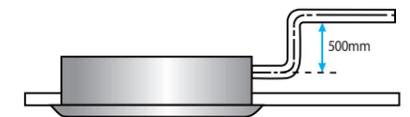
### Compact Size

The slim and compact body has reduced the restriction enables the Compact Four-way Cassette successful installation in various ceiling spaces.



### High-lift Drain Pump

A drain pump with a 500mm raise height is fitted as standard, simplifying installation of the drain piping.



## Specifications - AC Series

### 50Hz Series

Model	MDV-D05Q4/N1-A3(At)	MDV-D07Q4/N1-A3(At)	MDV-D09Q4/N1-A3(At)	MDV-D12Q4/N1-A3(At)	MDV-D15Q4/N1-A3(At)		
Power supply	1 phase, 220-240V, 50Hz						
Cooling <sup>1</sup>	Capacity	kW	5(1.5)	7(2.2)	9(2.8)	12(3.6)	15(4.5)
	Input	W	36	50	50	56	56
Heating <sup>2</sup>	Capacity	kW	5(1.7)	8(2.4)	10(3.2)	13(4)	17(5)
	Input	W	36	50	50	56	56
Indoor fan motor	Type	AC					
	Quantity	1					
Refrigerant type	R410A						
Airflow rate (H/M/L)	m <sup>3</sup> /h		400/283/208	414/313/238	414/313/238	521/409/314	521/409/314
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		35/33/23	36/33/23	36/33/23	42/36/29	42/36/29
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	570x260x630				
	Packing (WxHxD)	mm	675x285x675				
	Net/Gross weight	kg	17/20		18.5/21.5		
Panel	Dimension (WxHxD)	mm	647x50x647				
	Packing (WxHxD)	mm	715x123x715				
	Net/Gross weight	kg	2.5/4.5				
Pipe connections	Liquid pipe	mm	Φ6.35				
	Gas pipe	mm	Φ12.7				
	Drain pipe	mm	ODΦ25				

## Specifications - AC Series

### 60Hz Series

Model	MDV-D07Q4/VN1-A3(At)	MDV-D09Q4/VN1-A3(At)	MDV-D12Q4/VN1-A3(At)	MDV-D15Q4/VN1-A3(At)		
Power supply	1 phase, 220-240V, 60Hz					
Cooling <sup>1</sup>	Capacity	kW	7(2.2)	9(2.8)	12(3.6)	15(4.5)
	Input	W	50	50	60	60
Heating <sup>2</sup>	Capacity	kW	8(2.4)	10(3.2)	13(4)	17(5)
	Input	W	50	50	60	60
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type	R410A					
Airflow rate (H/M/L)	m <sup>3</sup> /h		397/292/215	408/310/231	496/359/263	496/359/263
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		36/33/23		42/36/29	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	570x260x630			
	Packing (WxHxD)	mm	675x285x675			
	Net/Gross weight	kg	17.4/20.4		18.8/21.8	
Panel	Dimension (WxHxD)	mm	647x50x647			
	Packing (WxHxD)	mm	715x123x715			
	Net/Gross weight	kg	2.5/4.5			
Pipe connections	Liquid pipe	mm	Φ6.35			
	Gas pipe	mm	Φ12.7			
	Drain pipe	mm	OD Φ25			

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

# Arc Series Duct



Ultra-thin body, narrow ceiling space requirement

## Key Features

Arc Series Duct		
High efficient	Full DC technology	●
	C-type heat exchanger	●
Comfort	Quiet operation	●
	0.5°C/1°C Setting temperature adjustment	●
	Humidity control	○
Air flow	Multiple fan speeds	7+auto
	Constant airflow technology	●
Easy installation	Compact size	●
	Stylish air discharge panel	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm

Note:  
●: equipped as standard; ○: customization option;

## COMFORT

### Quiet Operation

By optimizing the design of fan motor, air duct and heat exchanger, the new duct operates with noise as low as 20dB(A), creating a quieter and more comfortable environment.



20dB(A)



As low as 20dB(A)

- Fan motor noise reduction
- Air duct noise reduction
- Heat exchanger noise reduction



## HIGH EFFICIENT, SAVING ENERGY

### Original C-type Heat Exchanger

C-type heat exchanger adopts integrated design, the effective area of the heat exchanger is larger, truly achieves small volume and large capacity.



**C-type golden heat exchanger**  
Patented heat exchange technology  
High efficiency  
Small size and large capacity

### Full DC Technology

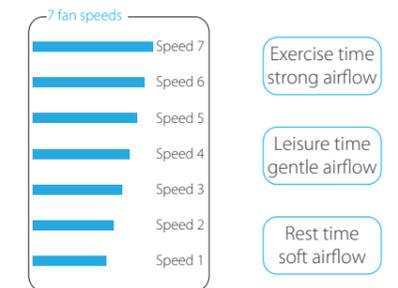
The Arc Series Duct use all power components of motor and water pump are DC, low power consumption more energy saving.



## AIR FLOW

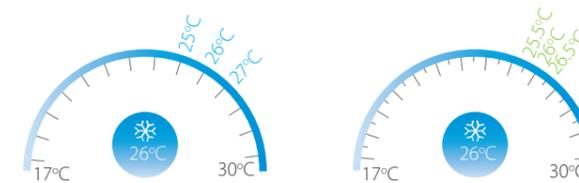
### Multiple Fan Speeds

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



### 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.



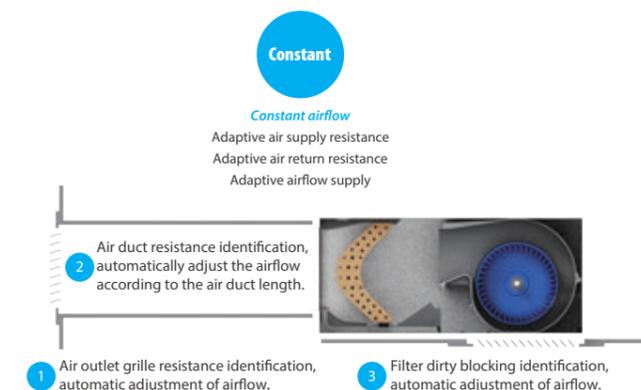
### Humidity Control, More Comfortable

The optional humidity control function can accurately control the indoor humidity. The default dehumidification mode ensures that the indoor humidity is always in the most comfortable range of 55~65%.



### Constant Airflow Technology

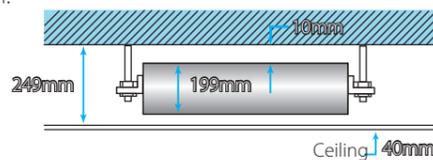
Constant airflow technology can realize the airflow output is not affected by installation conditions and use conditions, ensuring the constant airflow supply.



## EASY INSTALLATION

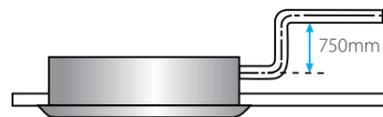
### Compact Size

Ultra-thin body design, the body height of the whole series is only 199mm, greatly saving space and more flexible installation.



### High-lift Drain Pump

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



### Stylish Air Discharge Panel

Stylish air discharge panel can be integrated with any decoration style.



## Specifications

### 50/60Hz Series

Model	MDV-DV05T2HN1-Arc(At)	MDV-DV07T2HN1-Arc(At)	MDV-DV09T2HN1-Arc(At)
Power supply	V- Ph-Hz 1 phase, 220-240V,50/60Hz		
Cooling capacity	kBtu/h(kW) 5(1.5)	7(2.2)	9(2.8)
Heating capacity	kBtu/h(kW) 6(1.8)	8(2.5)	10(3.2)
Fan motor type	DC	DC	DC
Fan motor quantity	1	1	1
Refrigerant type	R410A	R410A	R410A
Airflow	m <sup>3</sup> /h 340/330/320/ 310/300/295/290	370/345/335/ 320/310/300/295	460/430/410/ 380/350/320/300
External static pressure (Std(Min~Max))	Pa 10(10-50)	10(10-50)	10(10-50)
Sound pressure level	dB(A) 27/25.5/24/ 23/22/21/20	28/27/26/ 25/24/23/22	30/29/28/ 27/26/25/24
Dimension (WxHxD)	mm 550x199x450	550x199x450	550x199x450
Packing (WxHxD)	mm 715x275x525	715x275x525	715x275x525
Net/Gross weight	kg 11.5/14	11.5/14	11.5/14
Liquid pipe	mm Φ6.35	Φ6.35	Φ6.35
Gas pipe	mm Φ12.7	Φ12.7	Φ12.7
Drain pipe	mm OD Φ25	OD Φ25	OD Φ25

Model	MDV-DV12T2HN1-Arc(At)	MDV-DV15T2HN1-Arc(At)	MDV-DV18T2HN1-Arc(At)	MDV-DV24T2HN1-Arc(At)
Power supply	V- Ph-Hz 1 phase, 220-240V,50/60Hz			
Cooling capacity	kBtu/h(kW) 12(3.6)	15(4.5)	19(5.6)	24(7.1)
Heating capacity	kBtu/h(kW) 13(4)	17(5)	21(6.3)	27(8)
Fan motor type	DC	DC	DC	DC
Fan motor quantity	1	1	1	1
Refrigerant type	R410A	R410A	R410A	R410A
Airflow	m <sup>3</sup> /h 605/550/500/ 450/410/360/320	800/720/690/ 625/560/515/435	900/780/745/ 655/580/560/470	1145/1000/930/ 840/750/665/580
External static pressure (Std(Min~Max))	Pa 10(10-50)	10(10-50)	10(10-50)	10(10-50)
Sound pressure level	dB(A) 30/29/28/ 27/26/25.5/25	34/33/32/ 30/29/28/26	36/34/33/ 32/31/30/28	37/35/34/ 32.5/31/30/29
Dimension (WxHxD)	mm 700x199x450	900x199x450	900x199x450	1100x199x450
Packing (WxHxD)	mm 865x275x525	1065x275x525	1065x275x525	1265x275x525
Net/Gross weight	kg 13.5/16	17/20	17/20	20.5/24
Liquid pipe	mm Φ6.35	Φ6.35	Φ9.53	Φ9.53
Gas pipe	mm Φ12.7	Φ12.7	Φ15.9	Φ15.9
Drain pipe	mm OD Φ25	OD Φ25	OD Φ25	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 External static pressure is based on high speed indoor airflow.  
 3 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.

## Medium Static Pressure Duct



*Slim, compact design for limited space with duct distribution to the indoor space.*

### Key Features

Medium Static Pressure Duct		
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	○ (G3-class)
	Innovative puro-air kit	●
	Fresh air intake	●
Air flow	Dirty filters indicator signal	●
	Adjustable ESP	×
	Multiple fan speeds	3+auto
Easy installation	Compact size	●
	Stylish air discharge panel	○ (17 to 71)
	Flexible air inlet port installation	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm

Note:  
 ●: equipped as standard; ○: customization option; ×: without this function

## COMFORT

### Quiet Operation

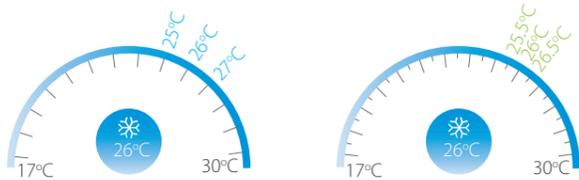
The Medium Static Pressure Duct indoor unit utilizes centrifugal blowers, reducing noise levels to as low as 21dB(A), and is an excellent choice for hotels and other noise-sensitive locations.



21dB(A).

### 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.



### Digital Display and Buzzer Sound On/Off

Indoor unit displays can be shut off at night and buzzer sound can be set off to not disturb the user, creating a better environment for rest.



Digital display

Buzzer

## HEALTH

### Optional G3-class Air Filter

G3-class filter is optional for Medium Static Pressure Duct installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μm), creating a cleaner living environment.



The optional filter comply with EN779:2012

### Innovative Puro-air Kit

Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment. It is also innovatively designed so that it could prevent UV damage to the eyes, skin, and respiratory tract.

#### Puro-Air Kit Protectors of health and safety



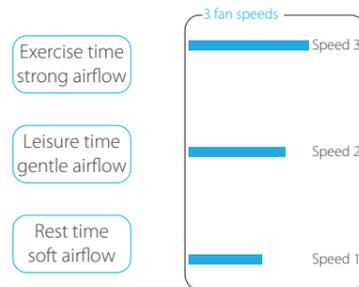
- OSRAM** From Germany -OSRAM quality UV light source
- 1<sup>st</sup>** The world's first air conditioning sterilization product certification
- 99.9%** Effective killing rate of white grape fungus
- 99.9%** Effective killing rate of H1N1
- 98%** Effective killing rate of natural bacteria
- Ozone -Free**
- UV leakage-Free**

\*The indoor unit needs to be customized in order to use the Puro-air Kit.

## AIR FLOW

### Multiple Fan Speeds

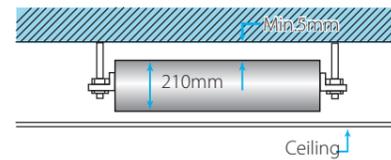
The Medium Static Pressure Duct with 3 indoor fan speed options to meet the needs of different indoor conditions.



## 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.



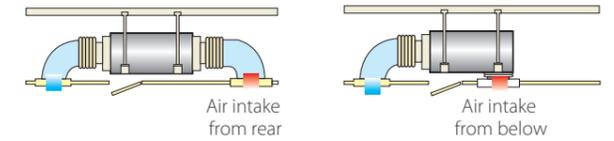
### Stylish Air Discharge Panel

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



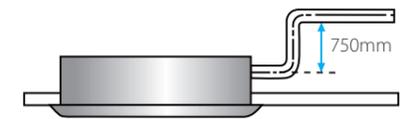
### Flexible Air Inlet Port Installation

To provide the flexibility to adapt to differing installation situations, the air inlet may be positioned either on the underside 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.



## Specifications - AC Series

### 50Hz Series

Model		MDV-D07T2/N1-DA5(At)	MDV-D09T2/N1-DA5(At)	MDV-D12T2/N1-DA5(At)	MDV-D15T2/N1-DA5(At)	MDV-D18T2/N1-DA5(At)	
Power supply		1 phase, 220-240V,50Hz					
Cooling <sup>1</sup>	Capacity	kW	7(2.2)	9(2.8)	12(3.6)	15(4.5)	19(5.6)
	Input	W	57	57	61	98	103
Heating <sup>2</sup>	Capacity	kW	8(2.6)	10(3.2)	13(4)	17(5)	21(6.3)
	Input	W	57	57	61	98	103
Indoor fan motor	Type		AC				
	Quantity		1				
Refrigerant type		R410A					
Airflow rate (H/M/L)	m <sup>3</sup> /h	550/397/309	550/397/309	605/442/351	800/573/479	800/573/479	
External static pressure (Std(Min~Max))	Pa	10(0~30)	10(0~30)	10(0~30)	10(0~30)	10(0~30)	
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)	31/24/21	31/24/21	35/28/24	36/29/26	36/29/27	
Indoor unit	Dimension <sup>4</sup> (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-D24T2/N1-DA5(At)	MDV-D28T2/N1-DA5(At)	MDV-D32T2/N1-DA5(At)	MDV-D40T2/N1-DA5(At)	MDV-D48T2/N1-DA5(At)	MDV-D56T2/N1-DA5(At)	
Power supply		1 phase, 220-240V,50Hz						
Cooling <sup>1</sup>	Capacity	kW	24(7.1)	27(8)	30(9)	38(11.2)	47(14)	54(16)
	Input	W	140	198	200	313	274	940
Heating <sup>2</sup>	Capacity	kW	27(8)	30(9)	34(10)	42(12.5)	52(15.5)	58(17)
	Input	W	140	198	200	313	274	940
Indoor fan motor	Type		AC					
	Quantity		1					
Refrigerant type		R410A						
Airflow rate (H/M/L)	m <sup>3</sup> /h	985/738/630	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400	2875/2587/2383	
External static pressure (Std(Min~Max))	Pa	10(0~30)	20(10~50)	20(10~50)	40(10~80)	40(10~100)	50(50~196)	
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)	36/30/27	45/40/37	45/40/37	48/42/38	48/43/39	52/50/48	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1218x210x500	1230x270x775		1290x300x865	1322x423x691	
	Packing (WxHxD)	mm	1335x285x525	1355x350x795		1400x375x925	1436x450x768	
	Net/Gross weight	kg	27.5/31	37.5/43	37.5/43	37.5/43	46.5/55.5	67/73
Piping connections	Liquid pipe	mm	Φ9.53					
	Gas pipe	mm	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.

All specifications are measured at standard external static pressure.

## Specifications - AC Series

60Hz Series

Model			MDV-D07T2/VN1-DA5(At)	MDV-D09T2/VN1-DA5(At)	MDV-D12T2/VN1-DA5(At)	MDV-D15T2/VN1-DA5(At)	MDV-D18T2/VN1-DA5(At)
Power supply			1 phase, 220-240V, 60Hz				
Cooling <sup>1</sup>	Capacity	kW	7(2.2)	9(2.8)	12(3.6)	15(4.5)	19(5.6)
	Input	W	66	72	77	100	100
Heating <sup>2</sup>	Capacity	kW	8(2.6)	10(3.2)	13(4)	17(5)	21(6.3)
	Input	W	66	72	77	100	100
Indoor fan motor	Type		AC				
	Quantity		1				
Refrigerant type			R410A				
Airflow rate (SH/H/ML)	m <sup>3</sup> /h		538/456/375	538/456/375	597/514/429	811/684/575	811/684/575
External static pressure (Std (Min~Max))	Pa		10(10~30)				
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		36/35/32	36/35/32	39/38/34	39/38/34	39/38/34
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	780x210x500			1000x210x500	
	Packing (WxHxD)	mm	870x285x525			1115x285x525	
	Net/Gross weight	kg	17.5/20			22/25	
Pipe connections	Liquid pipe	mm	Φ6.35			Φ9.53	
	Gas pipe	mm	Φ12.7			Φ15.9	
	Drain pipe	mm	OD Φ25				

Model			MDV-D24T2/VN1-DA5(At)	MDV-D28T2/VN1-BA5(At)	MDV-D32T2/VN1-BA5(At)	MDV-D40T2/VN1-BA5(At)	MDV-D48T2/VN1-BA5(At)	MDV-D56T2/VN1-BA5(At)
Power supply			1 phase, 220-240V, 60Hz					
Cooling <sup>1</sup>	Capacity	kW	24(7.1)	27(8)	30(9)	38(11.2)	47(14)	51(15)
	Input	W	125	133	134	378	352	532
Heating <sup>2</sup>	Capacity	kW	27(8)	30(9)	34(10)	42(12.5)	52(15.5)	56(16.5)
	Input	W	125	133	134	378	352	532
Indoor fan motor	Type		AC					
	Quantity		1					
Refrigerant type			R410A					
Airflow rate (SH/H/ML)	m <sup>3</sup> /h		1029/934/781	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400	2892/2683/2472/2339
External static pressure (Std (Min~Max))	Pa		10(10~30)	20(10~50)	20(10~50)	40(10~80)	40(10~100)	50(50~196)
Sound pressure level (H/M/L) <sup>3</sup>	dB(A)		41/39/35	45/40/37	45/40/37	48/42/38	48/43/39	54/52/50
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1220x210x500	1230x270x775			1290x300x865	1322x423x691
	Packing (WxHxD)	mm	1335x285x525	1355x350x795			1400x375x925	1436x450x768
	Net/Gross weight	kg	27.5/31	37.5/43			46.5/55.5	67/73
Pipe connections	Liquid pipe	mm	Φ9.53					
	Gas pipe	mm	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.

All specifications are measured at standard external static pressure.

## High Static Pressure Duct



High external static pressure with long duct distribution, ideal for large sized spaces.

## Key Features

## High Static Pressure Duct

Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
Health	Buzzer sound on/off	●
	Air filter	○ (G3-class)
	Innovative puro-air kit	○
Air flow	Dirty filters indicator signal	●
	Adjustable ESP	×
Easy installation	Multiple fan speeds	3+auto
	Compact size	●
	Flexible duct design	●
	Double-skin drainage pan	●
	High-lift water pump box	○

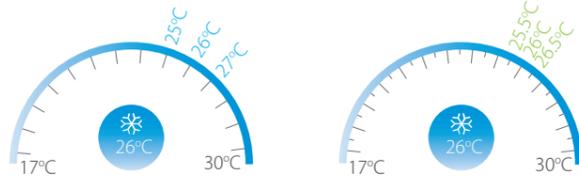
Note:

●: equipped as standard; ○: customization option; ×: without this function

# COMFORT

## 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.



## Digital Display On/Off

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



Digital display

## Buzzer Sound On/Off

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



Buzzer

# HEALTH

## Innovative Puro-air Kit

Puro-Air kit, powered by OSRAM's UVC lamps, can effectively kill bacteria, viruses and odors of indoor air to provide a healthy and safe indoor environment. It is also innovatively designed so that it could prevent UV damage to the eyes, skin, and respiratory tract.

### Puro-Air Kit Protectors of health and safety



- From Germany - OSRAM quality UV light source
- 1<sup>st</sup> The world's first air conditioning sterilization product certification
- 99.9%** Effective killing rate of white grape fungus
- 99.9%** Effective killing rate of H1N1
- 98%** Effective killing rate of natural bacteria
- Ozone-Free**
- UV leakage-free**

\*The indoor unit needs to be customized in order to use the Puro-air Kit.

## Optional G3-class Air Filter

G3-class filter is optional for High Static Pressure Duct installation. Filtering effect of the G3-class filter reaches up to 80%-90% against coarse dust (particle size > 10 μm), creating a cleaner living environment.

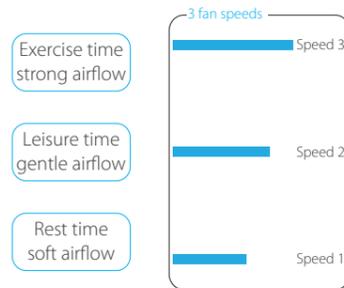


The optional filter comply with EN779:2012

# AIR FLOW

## Multiple Fan Speeds

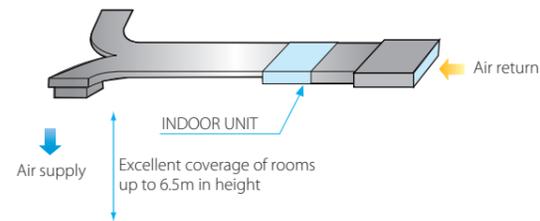
The high static pressure duct with 3 indoor fan speed options to meet the needs of different indoor conditions.



# EASY INSTALLATION

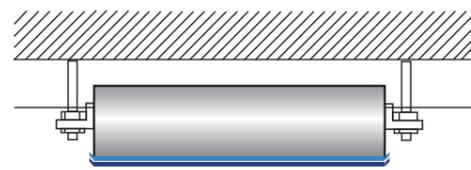
## Flexible Duct Design

High Static Pressure Duct supplies a wide static pressure from 25Pa to 196Pa which can support short to long duct with high ceiling air supply.



## Double-skin Drainage Pan

A double-skin drainage pan provides double protection for ceilings.



# Specifications - AC Series

## 50Hz Series

Model		MDV-D24T1N1(A)	MDV-D28T1N1(A)	MDV-D32T1N1(A)	MDV-D40T1N1(A)	MDV-D48T1N1(A)	MDV-D56T1N1(A)	
Power supply		1 phase, 220-240V, 50Hz						
Cooling <sup>1</sup>	Capacity	kW	24(7.1)	27(8)	30(9)	38(11.2)	47(14)	54(16)
	Input	W	263	263	423	524	724	940
Heating <sup>2</sup>	Capacity	kW	27(8)	30(9)	34(10)	42(12.5)	54(16)	58(17)
	Input	W	263	263	423	524	724	940
Indoor fan motor	Type		AC					
	Quantity		1					
Refrigerant type		R410A						
Airflow rate (SH/H/M/L)	m <sup>3</sup> /h	1395/1315/1248/1204	1361/1285/1217/1175	1801/1687/1643/1431	2063/1939/1716/1533	2965/2561/2207/1905	3417/2875/2587/2383	
External static pressure (Std/Min~Max)	Pa	25(25~196)	37(37~196)	37(37~196)	50(50~196)	50(50~196)	50(50~196)	
Sound pressure level (SH/H/M/L) <sup>3</sup>	dB(A)	48/46/44/43	48/46/45/43	52/49/47/45	52/49/47/46	53/50/48/46	54/52/50/48	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	965x423x690				1322x423x691	
	Packing (WxHxD)	mm	1090x440x768				1436x450x768	
	Net/Gross weight	kg	45/50	45/50	46.5/52.4	48/53	67/73	67/73
Piping connections	Liquid pipe	mm	Φ9.53					
	Gas pipe	mm	Φ15.9					
	Drain pipe	mm	OD Φ25					

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
  - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
  - Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
  - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments. All specifications are measured at standard external static pressure.



# Wall Mounted



Stylish panel, ideal for rooms with no or narrow ceilings.

## Key Features

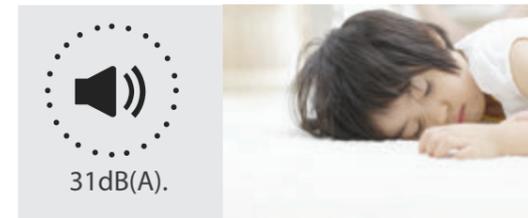
Wall Mounted		
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	●
	Dirty filters indicator signal	●
Air flow	Multiple fan speeds	7+auto
	Multiple steps vertical swing	5+auto
Easy installation	Compact size	●
	Pure white stylish panel	4 options
	Exposed installation, no need ceilings	●
	Flexible pipe outlet direction	●

Note:  
●: equipped as standard

## COMFORT

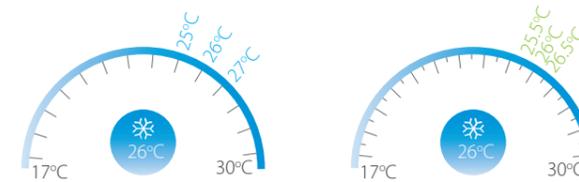
### Quiet Operation

The minimum noise level of Wall Mounted is as low as 31dB(A), idea for hotels and other noise-sensitive locations.



### 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.



### Digital Display On/Off

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



### Buzzer Sound On/Off

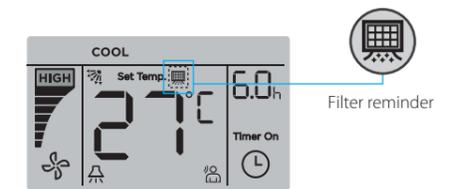
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



## HEALTH

### Dirty Filters Indicator Signal

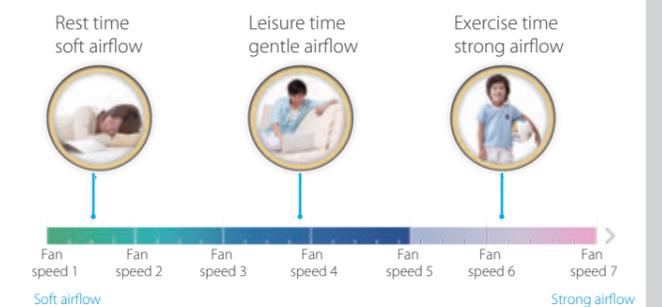
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



## AIR FLOW

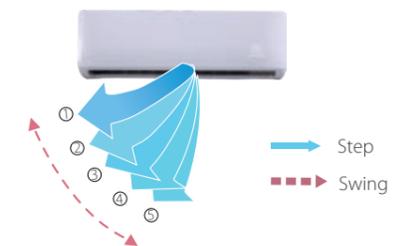
### Multiple Fan Speeds

The wall mounted come with 7 indoor fan speed options to meet the needs of different indoor conditions.



### Multiple Steps Vertical Swing

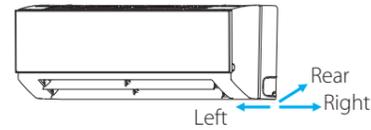
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



# EASY INSTALLATION

## Flexible Pipe Outlet Direction

Multi-outlet pipe method for both refrigerant pipe and drain pipe: left/right/rear, more flexible for installation.



## Exposed Installation, No Need Ceilings

The Wall Mounted can be installed against a wall, no need ceilings, simplifying installation.



# Specifications - AC Series

## 50Hz Series

Model	MDV-D07G/N1-M(At)	MDV-D09G/N1-M(At)	MDV-D12G/N1-M(At)	MDV-D15G/N1-M(At)		
Power supply	1 phase, 220-240V, 50Hz					
Cooling <sup>1</sup>	Capacity	kW	7(2.2)	9(2.8)	12(3.6)	15(4.5)
	Input	W	29	29	31	45
Heating <sup>2</sup>	Capacity	kW	8(2.4)	10(3.2)	13(4)	17(5)
	Input	W	29	29	31	45
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type	R410A					
Airflow rate <sup>3</sup>	m <sup>3</sup> /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 <sup>4</sup>	dB(A)	34/33/33/32/32/31/31	33/33/32/32/31/31/31	36/35/34/33/32/32/32	37/36/34/34/33/32/31	
Indoor unit	Dimension <sup>5</sup> (WxHxD)	835x280x203			990x315x223	
	Packing (WxHxD)	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
	Gas pipe	mm				Φ12.7
	Drain pipe	mm				OD Φ16

Model	MDV-D18G/N1-M(At)	MDV-D24G/N1-M(At)	MDV-D28G/N1-M(At)	MDV-D32G/N1-M(At)		
Power supply	1 phase, 220-240V, 50Hz					
Cooling <sup>1</sup>	Capacity	kW	19(5.6)	24(7.1)	27(8)	30(9)
	Input	W	54	77	77	90
Heating <sup>2</sup>	Capacity	kW	21(6.3)	27(8)	30(9)	34(10)
	Input	W	54	77	77	90
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type	R410A					
Airflow rate <sup>3</sup>	m <sup>3</sup> /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 <sup>4</sup>	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 <sup>5</sup> (WxHxD)	990x315x223		1194x343x262		
	Packing (WxHxD)	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
	Gas pipe	mm				Φ15.9
	Drain pipe	mm				OD Φ16

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
  - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
  - Each model's 7 airflow rate options are listed in order, from highest to lowest.
  - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
  - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

# Specifications - AC Series

## 60Hz Series

Model	MDV-D07G/VN1-M(At)	MDV-D09G/VN1-M(At)	MDV-D12G/VN1-M(At)	MDV-D15G/VN1-M(At)		
Power supply	1 phase, 220-240V, 60Hz					
Cooling <sup>1</sup>	Capacity	kW	7(2.2)	9(2.8)	12(3.6)	15(4.5)
	Input	W	29	29	31	45
Heating <sup>2</sup>	Capacity	kW	8(2.4)	10(3.2)	13(4)	17(5)
	Input	W	29	29	31	45
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type	R410A					
Airflow rate <sup>3</sup>	m <sup>3</sup> /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 <sup>4</sup>	dB(A)	34/33/33/32/32/31/31	33/33/32/32/31/31/31	36/35/34/33/32/32/32	37/36/34/34/33/32/31	
Indoor unit	Dimension <sup>5</sup> (WxHxD)	835x280x203			990x315x223	
	Packing (WxHxD)	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
	Gas pipe	mm				Φ12.7
	Drain pipe	mm				OD Φ16

Model	MDV-D18G/VN1-M(At)	MDV-D24G/VN1-M(At)	MDV-D28G/VN1-M(At)	MDV-D32G/VN1-M(At)		
Power supply	1 phase, 220-240V, 60Hz					
Cooling <sup>1</sup>	Capacity	kW	19(5.6)	24(7.1)	27(8)	30(9)
	Input	W	54	77	77	90
Heating <sup>2</sup>	Capacity	kW	21(6.3)	27(8)	30(9)	34(10)
	Input	W	54	77	77	90
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type	R410A					
Airflow rate <sup>3</sup>	m <sup>3</sup> /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 <sup>4</sup>	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 <sup>5</sup> (WxHxD)	990x315x223		1194x343x262		
	Packing (WxHxD)	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
	Gas pipe	mm				Φ15.9
	Drain pipe	mm				OD Φ16

- Notes:
- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
  - Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
  - Each model's 7 airflow rate options are listed in order, from highest to lowest.
  - Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3). Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
  - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

# Ceiling & Floor



Two installation options are available: horizontally against the ceiling or vertically against the floor/wall, idea for wide rooms with no ceilings.

## Key Features

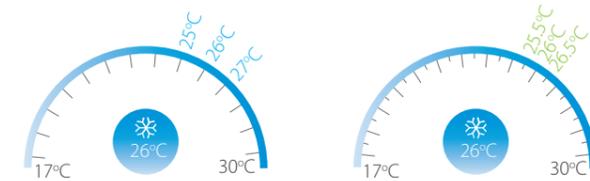
Ceiling & Floor		
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	●
	Dirty filters indicator signal	●
Air flow	Multiple fan speeds	3+auto
	Multiple steps vertical swing	5+auto
	Horizontal swing	●
Easy installation	Pure white stylish panel with slim design	●
	Exposed installation, easy installation and maintenance	●
	Two installation options	●

Note:  
● equipped as standard

## COMFORT

### 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.



### Digital Display On/Off

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



### Buzzer Sound On/Off

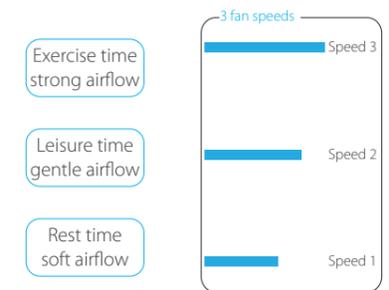
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



## AIR FLOW

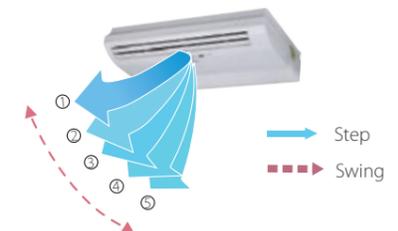
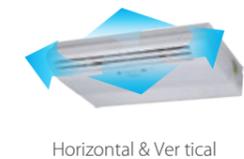
### Multiple Fan Speeds

The ceiling & floor unit with 3 indoor fan speed options to meet the needs of different indoor conditions.



### Multiple Steps Vertical Swing and Horizontal Swing

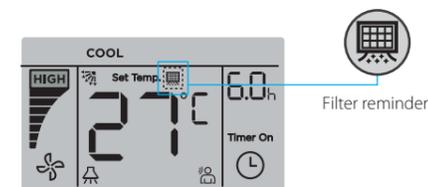
Vertical air flow direction can be adjusted 5 steps and horizontal air flow direction can be adjusted manually, both vertical and horizontal can be set auto swing.



## HEALTH

### Dirty Filters Indicator Signal

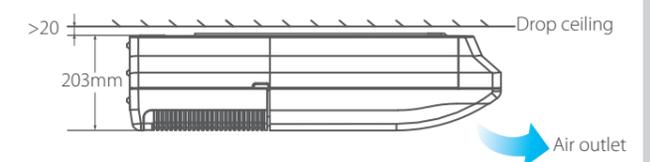
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



## EASY INSTALLATION

### Pure White Stylish Panel with Slim Design

Pure white stylish panel with slim design, perfect fusion in all kinds of decoration.



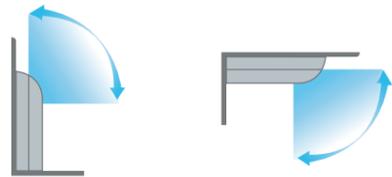
## Exposed Installation, Easy Installation and Maintenance

The Ceiling & Floor unit is exposed installation, it is easy installation and maintenance. It can be serviced through the bottom of the machine, easy to access the key components of the unit.



## Two Installation Options

A sleek design suits installation either on the ceiling or floor, providing flexibility to accommodate a wide range of room designs.



The unit can be installed either horizontally on the ceiling or vertically against the wall.

## Specifications - AC Series

### 50Hz Series

Model			MDV-D12DL/N1-C(At)	MDV-D15DL/N1-C(At)	MDV-D18DL/N1-C(At)	MDV-D24DL/N1-C(At)
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	12(3.6)	15(4.5)	19(5.6)	24(7.1)
	Input	W	49	120	122	125
Heating <sup>2</sup>	Capacity	kW	13(4)	17(5)	21(6.3)	27(8)
	Input	W	49	120	122	125
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type			R410A			
Airflow rate (H/M/L)		m <sup>3</sup> /h	650/570/500		800/600/500	
Sound pressure level (H/M/L) <sup>3</sup>		dB(A)	40/38/36		43/41/38	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	990x203x660			
	Packing (WxHxD)	mm	1089x296x744			
	Net/Gross weight	kg	26/32		28/34	
Piping connections	Liquid pipe	mm	Φ6.35		Φ9.53	
	Gas pipe	mm	Φ12.7		Φ15.9	
	Drain pipe	mm	ODΦ25			

Model			MDV-D28DL/N1-C(At)	MDV-D32DL/N1-C(At)	MDV-D40DL/N1-C(At)	MDV-D48DL/N1-C(At)
Power supply			1 phase, 220-240V, 50Hz			
Cooling <sup>1</sup>	Capacity	kW	27(8)	30(9)	38(11.2)	47(14)
	Input	W	130	130	182	182
Heating <sup>2</sup>	Capacity	kW	30(9)	34(10)	42(12.5)	51(15)
	Input	W	130	130	182	182
Indoor fan motor	Type	AC				
	Quantity	1		2		
Refrigerant type			R410A			
Airflow rate (H/M/L)		m <sup>3</sup> /h	1200/900/700		1980/1860/1730	
Sound pressure level (H/M/L) <sup>3</sup>		dB(A)	45/43/40		47/45/42	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1280x203x660		1670x244x680	
	Packing (WxHxD)	mm	1379x296x744		1764x329x760	
	Net/Gross weight	kg	34.5/41		54/59	
Piping connections	Liquid pipe	mm	Φ9.53			
	Gas pipe	mm	Φ15.9			
	Drain pipe	mm	ODΦ25			

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.  
Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

## Specifications - AC Series

### 60Hz Series

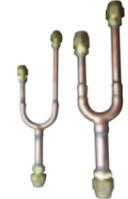
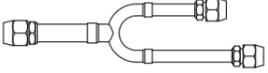
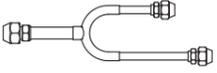
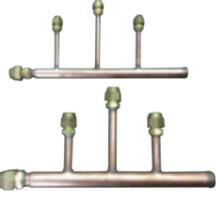
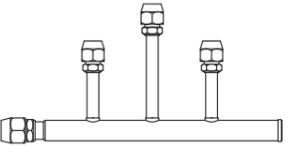
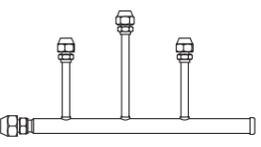
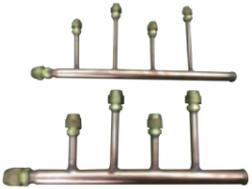
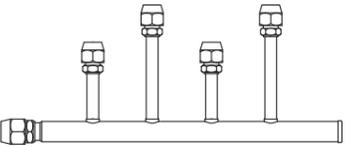
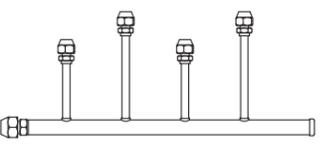
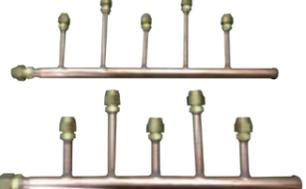
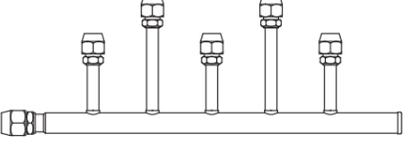
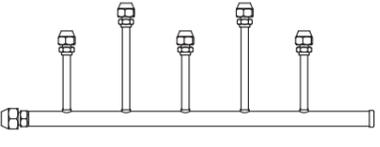
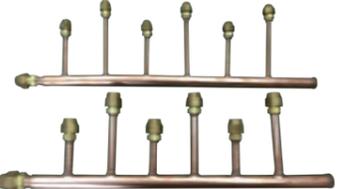
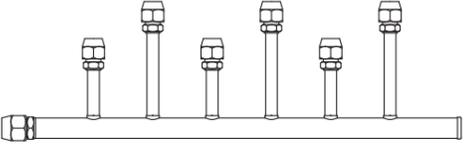
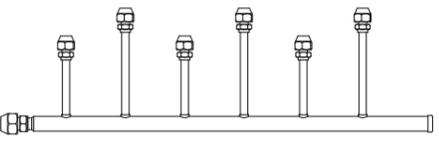
Model			MDV-D12DL/VN1-C(At)	MDV-D15DL/VN1-C(At)	MDV-D18DL/VN1-C(B)	MDV-D24DL/VN1-C(B)
Power supply			1 phase, 220-240V, 60Hz			
Cooling <sup>1</sup>	Capacity	kW	12(3.6)	15(4.5)	19(5.6)	24(7.1)
	Input	W	50	148	148	148
Heating <sup>2</sup>	Capacity	kW	13(4)	17(5)	21(6.3)	27(8)
	Input	W	50	148	148	148
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type			R410A			
Airflow rate (H/M/L)		m <sup>3</sup> /h	600/480/400		750/650/550	
Sound pressure level (H/M/L) <sup>3</sup>		dB(A)	40/38/36		43/41/38	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	990x203x660			
	Packing (WxHxD)	mm	1089x296x744			
	Net/Gross weight	kg	26/32		28/34	
Pipe connections	Liquid pipe	mm	Φ6.35		Φ9.53	
	Gas pipe	mm	Φ12.7		Φ15.9	
	Drain pipe	mm	OD Φ25			

Model			MDV-D28DL/VN1-C(B)	MDV-D32DL/VN1-C(B)	MDV-D40DL/VN1-C(B)	MDV-D48DL/VN1-C(B)
Power supply			1 phase, 220-240V, 60Hz			
Cooling <sup>1</sup>	Capacity	kW	27(8)	30(9)	38(11.2)	47(14)
	Input	W	183	183	245	245
Heating <sup>2</sup>	Capacity	kW	30(9)	34(10)	42(12.5)	51(15)
	Input	W	183	183	245	245
Indoor fan motor	Type	AC				
	Quantity	1		2		
Refrigerant type			R410A			
Airflow rate (H/M/L)		m <sup>3</sup> /h	1200/900/700		1980/1860/1730	
Sound pressure level (H/M/L) <sup>3</sup>		dB(A)	45/43/40		47/45/42	
Indoor unit	Dimension <sup>4</sup> (WxHxD)	mm	1280x203x660		1670x244x680	
	Packing (WxHxD)	mm	1379x296x744		1764x329x760	
	Net/Gross weight	kg	34.5/41		54/59	
Pipe connections	Liquid pipe	mm	Φ9.53			
	Gas pipe	mm	Φ15.9			
	Drain pipe	mm	OD Φ25			

Notes:

- Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
- Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
- Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.  
Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

# BRANCH HEADER

Model	Appearance	Gas side joints ( $\Phi 15.9 \rightarrow \Phi 12.7$ )	Liquid side joints ( $\Phi 9.52 \rightarrow \Phi 6.35$ )
1 to 2 branch header DXFQT2-02			
1 to 3 branch header DXFQT3-02			
1 to 4 branch header DXFQT4-02			
1 to 5 branch header DXFQT5-02			
1 to 6 branch header Model DXFQT6-02			

## CONTROL SOLUTIONS

Remote Controllers  
Wired Controllers  
Central Controllers  
Data Converter  
WiFi Kit



# CONTROLLER LINEUP

Wireless Remote Controllers	Wired Remote Controllers	Central Controllers Data converter	WiFi Kit
 <p>RM05B(A)</p>	 <p>WDC-86E/KD</p>	 <p>CCM-180A/BWS(A)</p>  <p>CCM-210G/BWS</p>	 <p>MA-WK</p>
 <p>RM12F</p>	 <p>WDC-120G/WK(A)</p>	 <p>CCM-270B/WS(B)</p>	
		 <p>CCM30/BKE-B(A)</p>  <p>CCM-15</p>	



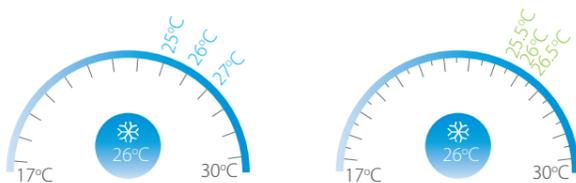
Remote Controllers

Model	 RM05B(A)	 RM12F
On / Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	●	●
Address setting	●	●
Follow me	×	●
Eco mode	●	●
Silent mode	●	●
Display shut-off	●	●
Daily timer	●	●
Keyboard lock	●	●
Background light	●	●
Indoor Unit parameter setting	●	●
Dimensions (HxWxD) (mm)	150x65x20	170x48x20
Batteries	1.5V (LR03/AAA) x 2	
Indoor unit series	ATOM Series IDU	

Note:  
● equipped as standard; × without this function

### 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.



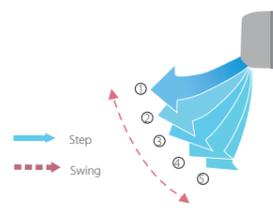
### Digital Display On/Off

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



### 5 Swing Angles for Louver

Thanks to the 5 swing angles for indoor unit louver, the air flow direction can be controlled more precisely.



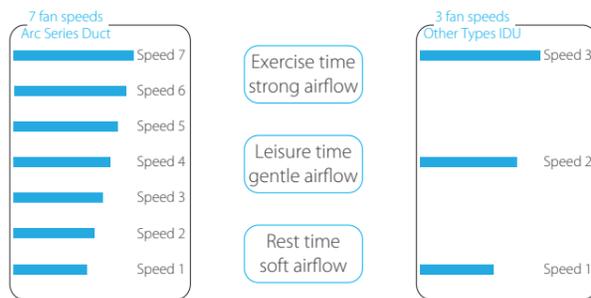
### Follow Me

With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in to the wireless remote controller, rather than the temperature sensor in the indoor unit itself, enabling more precise control of the temperature in the user's immediate environment.



### Multiple Fan Speed Control

The Arc Series Duct comes with 7 indoor fan speed options and other types indoor units with 3 indoor fan speed options to meet the needs of different indoor conditions.



# Wired Controllers



Model	 WDC-86E/KD	 WDC-120G/WK (A)
On / Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
Dual temperature set points	●	●
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	●	●
Address setting	●	●
Follow me	●	●
Eco mode	●	●
Room temperature display	●	●
°F/°C display	●	●
Keyboard lock	×	●
Background light	●	●
Daily timer	●	●
Weekly schedule timer	×	●
Auto restart	●	●
2 permission levels	×	●
Bi-directional communication	●	●
Group control	×	●
Main or secondary controller setting	●	●
Display shut-off	●	●
Silent mode	●	●
Remote signal receiver	●	●
Clean filter reminder	●	●
Extension function	×	●
Daylight saving time	×	●
Clock display	×	●
Dot matrix display	×	●
Error check function	●	●
System parameter querying	●	●
After Hours/Off Timer function	●	●
Language	English	English, French, Spanish, Polish, Italian, German, Portuguese, Turkish
HRV control	×	●
Puro-Air Kit control	×	●
System setting control	●	●
Dimensions (WxHxD) (mm)	86x86x18	120x120x20
Power supply	18V DC	18V DC
Indoor unit series	ATOM Series IDU	

Note:  
●: equipped as standard; ×: without this function  
when the ATOM Series IDU indoor units connect to group controller WDC-120G/WK(A), the indoor units need to customize D1 D2 terminals.

### Group Control

One controller can be used to unify the settings across up to 16 indoor units.



Note: when the ATOM Series indoor units connect to group controller WDC-120G/WK, the indoor units need to customize D1 D2 terminals. Group control is not available for Wall Mounted Series.

### Main or Secondary Controller Setting

Two controllers can be used together with single indoor unit. Operating mode and settings would be set according to the most recent instruction received. The controller display screens are synchronized so that both displays update when a setting is adjusted.



### 2 Permission Levels

2 permission levels ensure users can easily access control functions and allow administrators convenient access to operating parameters.



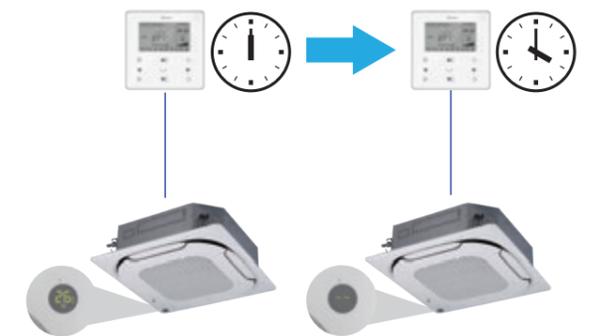
### Buzzer Sound On/Off

The buzzer sound of the indoor unit can be turned off to create a quieter environment.



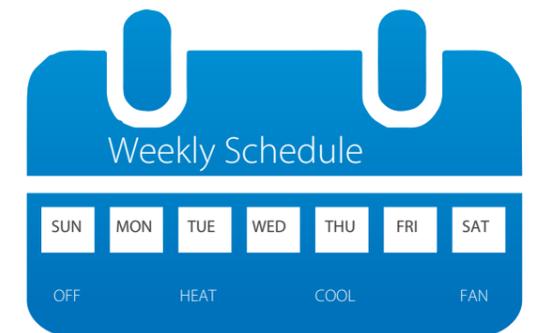
### Off Timer Function

We can use the wired controller to set an automatic off timer or after hours function for the indoor unit.



### Weekly Schedule Timer

The weekly schedule timer allows users to set multiple schedules each with its own operating mode, temperature settings and fan speeds.



# Central Controllers



## Features

Function	 CCM-180A/BWS(A)	 CCM-210G/BWS	 CCM-270B/WS(B)
Max. number of indoor units	64	64	384
Max. number of refrigerant systems	8	8	48
Touch screen	● (6.2-inch)	● (7-inch)	● (10.1-inch)
On/Off	●	●	●
Mode selection	●	●	●
Temperature setting	● (0.5°C steps)		
7-speed fan control		●	
Auto swing	●	●	●
5-step swing louver	●	●	●
Room temperature display	●	●	●
Holiday setting	●	●	●
°C/°F display	●	●	●
Schedule management	●	●	●
Clock display	●	●	●
2 permission levels	●	●	●
Extension function	●	×	×
Indoor unit type/model recognition		●	
Indoor unit with capacity larger than 16kW recognition		●	
HRV Control	●	●	●
Visual schematic	×	×	●
Energy management	●	●	●
Group management	●	●	●
Error check function	●	●	●
System parameter querying	●	●	●
USB output	●	●	●
Report display	Error report	operation record	Error report and operation record
Operation log	×	×	●
LAN access	×	×	●
Language supported	English, Chinese, French, Spanish, Portuguese, Italian, German, Polish, Turkish, Russian, Korean	English, Chinese	English, Chinese, French, Spanish, Portuguese, Italian, German, Polish, Turkish, Russian, Korean
Dimensions (W×H×D)(mm)	182×123×34	174×111×26	270×183×27
Power supply	12V DC	12V DC	24V AC
Outdoor unit series or indoor unit series	All series		

Note:

●: equipped as standard; ×: without this function

Features

Function	 CCM30/BKE-B(A)
Max. number of indoor units	64
Max. number of refrigerant systems	8
Touch screen	x
On/Off	●
Mode selection	●
Temperature setting	● (1°C steps)
7-speed fan control	3-speed fan control
Auto swing	●
5-step swing louver	x
Room temperature display	●
Holiday setting	x
°C/°F display	●
Schedule management	●
Clock display	x
2 permission levels	x
Extension function	x
Indoor unit type/model recognition	x
Indoor unit with capacity larger than 16kW recognition	Identify as two or four units (depend on units model)
HRV Control	●
Visual schematic	x
Energy management	Mode/Remote controller limit
Group management	x
Error check function	●
System parameter querying	●
USB output	x
Report display	x
Operation log	x
LAN access	x
Language supported	English
Dimensions (WxHxD) (mm)	179x119x74
Power supply	198-242V AC (50/60Hz)
Outdoor unit series or indoor unit series	ATOM B Series ODU

Note:  
●: equipped as standard; x: without this function

Touch Screen

Colorful touch screen and vivid display make operation more convenient and simple.



Unit Model Recognition

The controller recognizes the model of indoor and outdoor units and different models are represented by different icons.

Icon	Model	Icon	Model
	Low static pressure and middle static pressure (L-DUCT/M-DUCT)		Vertical concealed installation/vertical surface mounting (FS)
	High static pressure (H-DUCT)		Four-way Cassette
	Purifier (FAPU)		Compact Four-way Cassette (COMPACT)
	Wall mounting (WALL)		Ceiling-floor type (CMF)
	Old IDU (1st Gen. IDU)		Two-way Cassette
	One-way Cassette		CONSOLE
	Group control device icon		New ODU (New generation ODU)

Electricity Charge Distribution

The controllers use the patented Midea Calculation Method to estimate the electricity consumption of the outdoor units and then divide it among the indoor units so that the electricity charges can be equitably divided among building occupants.



Visual Schematic

By importing floor plans and then dragging and dropping the indoor units to their actual positions on the floor plan, users can create a tailored system schematic which enables monitoring and control of the indoor units through a clear visual representation of the system layout.



Energy Management

User can set limits or locks on an indoor unit, such as minimum cooling temperature, maximum heating temperature, fan speed, operation mode, swing lock, remote controller lock and wired controller lock.



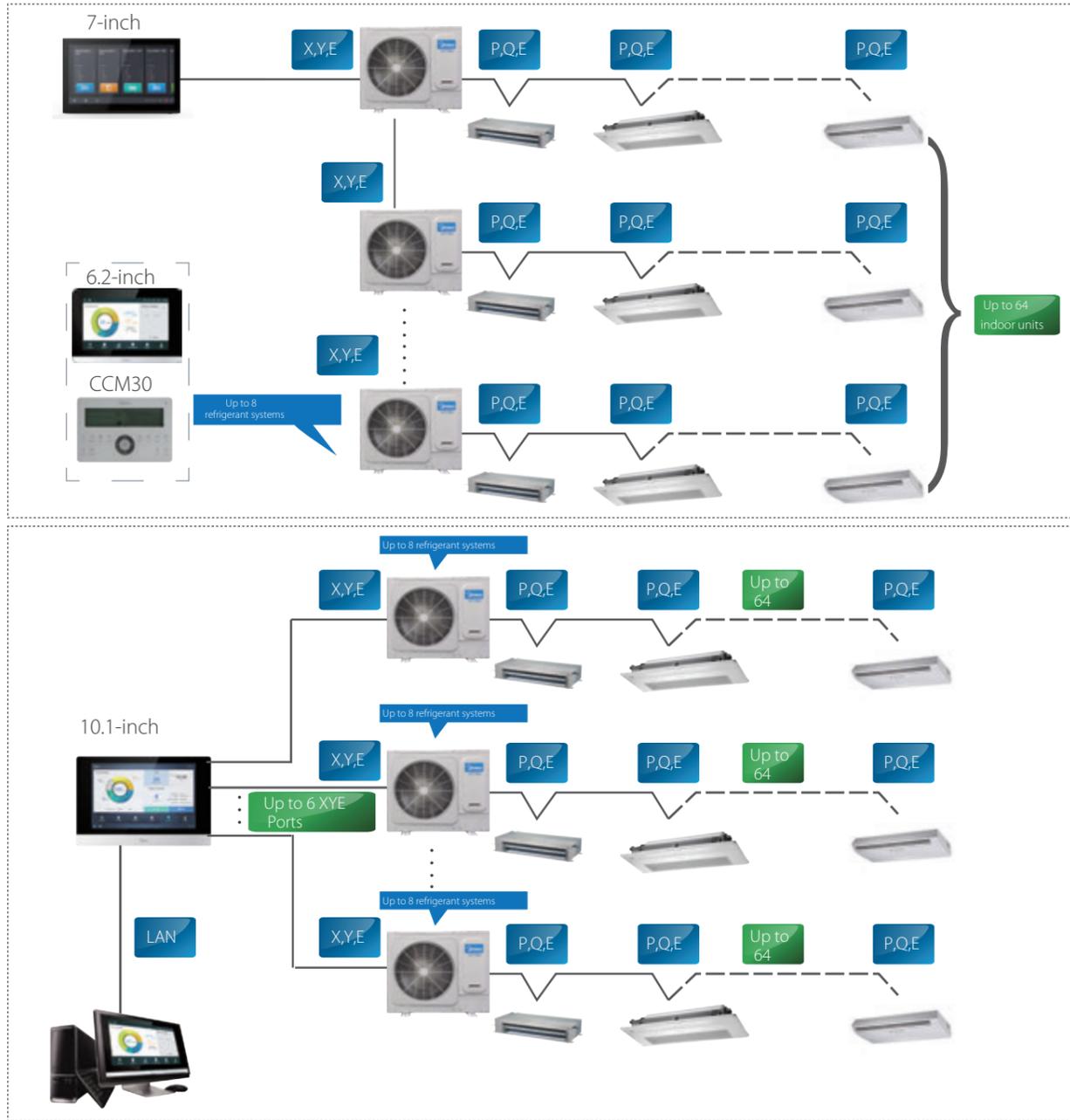
Group Management

Units can be viewed according to group, system or location, making unit management clearer and more convenient.



### Wiring Flexibility

The controllers can be connected to the master outdoor unit directly.



## Data Converter



Features

Hardware model	 <p>CCM-15</p>	
Application scenarios	 <p>Mobile Phone Application</p>	 <p>Cloud Server Website</p>
Max. number of CCM-15 for one mobile APP	10	10
Max. number of indoor units	640	640
Max. number of refrigerant systems	80	80
On/Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	● (1°C steps)
7-speed fan control	×	×
Auto swing	●	●
5-step swing louver	×	×
Room temperature display	●	●
°C/°F display	●	●
Weekly timer	●	●
Indoor unit type recognition	×	×
Energy management	●	●
Group management	●	●
User group management	●	●
Operation log	●	●
Device log	●	●
Login record	●	●
Error log	×	●
Configuration	●	×
Account registration	●	×
Virtual	●	×
Mode display	●	●
Languages supported	English, French, Spanish	English, French, Spanish
Dimensions (WxHxD) (mm)	187x115x28	
Power supply	5V DC	
Outdoor unit series	Atom B Series	

Note:  
●: equipped as standard; ×: without this function

High Compatibility

Compatible with a variety of operating systems.



Easy Configuration

User groups can be joined simply by scanning a QR code.



User Friendly Interface

Clear, stylish interface designed by leading industrial designers.



Convenient Operation

Drag the position of the floating bubbles to change temperature and fan speed.



Cloud Server Website

In addition to "M-control", users can control air conditioners and query the status of air conditioning equipment anytime and anywhere through the cloud server website.



Anytime Control

Remote access to CCM-15 allows anytime, anywhere control.



Virtual Experience

After downloading "M-control", you can experience the operation of the interface through the virtual experience function without registration.



Clear Icons

Clear, color-coded icons allow unit operating states to be viewed at a glance.



### Group Management

The user can group the air conditioners equipment, and the air conditioner in the same group can be controlled together just with one tap.



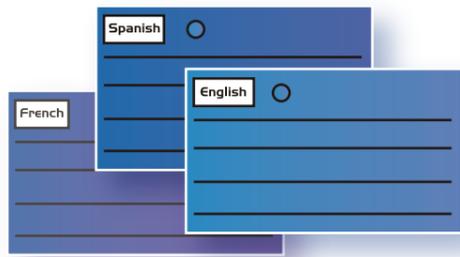
### 2 Permission Levels

Administrators can set different permissions for different users to facilitate better management of devices.



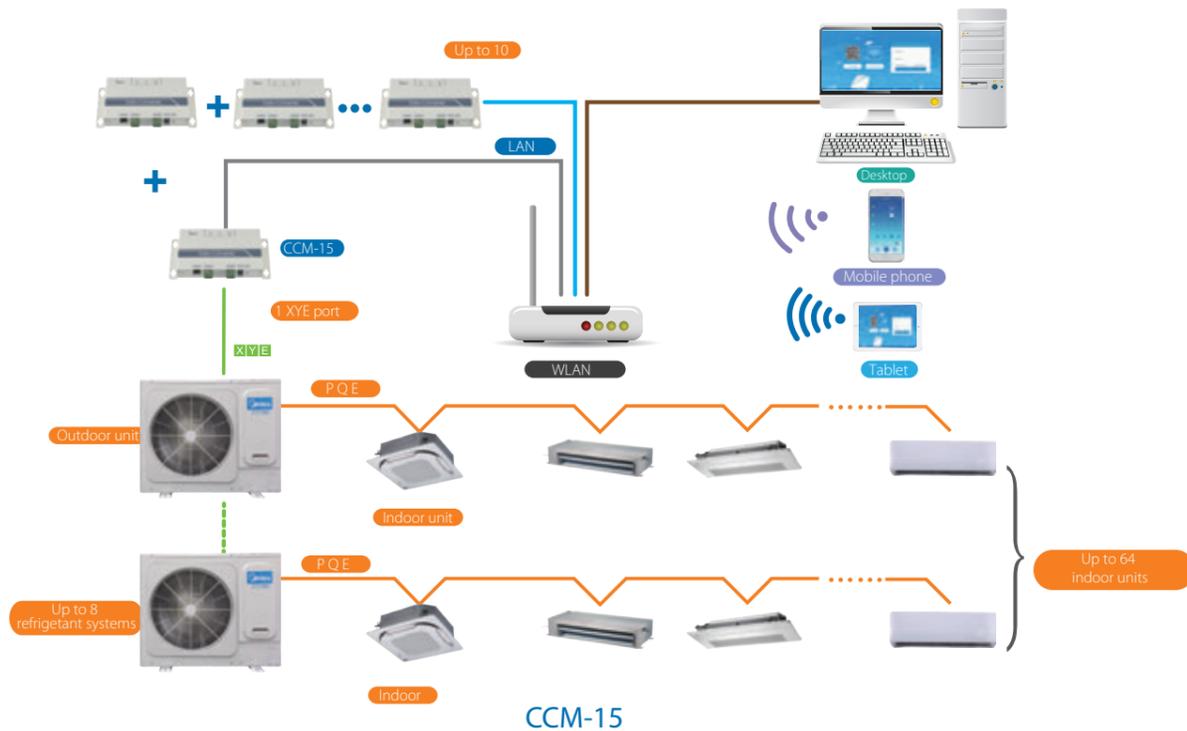
### Multiple Language Options

Supports multiple languages so that users of different languages can operate easily.



### Flexibility

The Data Converter can be connected directly to a network of indoor/outdoor units.



## WiFi Kit

The MA-WK is used to connect IDU to Cloud to control by Midea Smartlife App.

### Features

Model	 MA-WK
Wiring flexibility	
Dimensions (H×W×D)(mm)	102×75×15
Power supply	18V DC(From IDU X1X2 port)
Indoor unit series	ATOM Series IDU

# Reference projects

## Egypt's New Ministry Of Defense "Octagon" Complex

- 📍 Country: Egypt
- 📍 City: Cairo
- 🏢 Midea HVAC Solution: Atom VRF
- 📊 Total Capacity: 5208 HP



## Bloom Tulum Apartments

- 📍 Country: Mexico
- 📍 City: Tulum Quintana Roo
- 🏢 Midea HVAC Solution: Atom VRF & VRF VC Pro
- 📊 Total Capacity: 550HP



# Reference projects

## Baltia Apartments

- 📍 Country: Mexico
- 📍 City: Merida
- 🏢 Midea HVAC Solution: Atom VRF
- 📊 Total Capacity: 520 HP



## Green District Apartments

- 📍 Country: Mexico
- 📍 City: Puerto Vallarta
- 🏢 Midea HVAC Solution: Atom VRF
- 📊 Total Capacity: 496 HP



# Reference projects

## Soko Apartments

- 📍 Country: Mexico
- 📍 City: Riviera Maya
- 🏠 Midea HVAC Solution: Atom VRF
- 👤 Total Capacity: 148 HP



## Oriental Residence Bangkok Apartment

- 📍 Country: Thailand
- 📍 City: Bangkok
- 🏠 Midea HVAC Solution: Atom VRF
- 👤 Total Capacity: 568HP



# Reference projects

## Soko Apartments

- 📍 Country: Mexico
- 📍 City: Riviera Maya
- 🏠 Midea HVAC Solution: Atom VRF
- 👤 Total Capacity: 148 HP

