





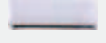







INDOOR UNITS

One-way Cassette
Two-way Cassette
Compact Four-way Cassette
Four-way Cassette
Medium Static Pressure Duct
High Static Pressure Duct
Wall Mounted
Ceiling & Floor
Floor Standing
Console
Fresh Air Processing Unit
Heat Recovery Ventilator
Puro-Air Kit



Inoor Unit Lineup

kW		1.5	1.8	2.2	2.8	3.6	4.5	5.6	7.1															8.0	9.0	10.0	11.2	12.5	14.0	16.0	20.0	25.0	28.0	40.0	45.0	56.0	
Btu/h		5k	6k	7k	9k	12k	15k	19k	24k															27k	30k	34k	38k	42k	48k	55k	68k	85k	96k	136k	154k	191k	
One-way Cassette			● ●	● ●	● ●	● ●	● ●	● ●	● ●																												
Two-way Cassette				● ●	● ●	● ●	● ●	● ●	● ●																												
Four-way Cassette					● ●	● ●	● ●	● ●	● ●		● ●	● ●	● ●	● ●		● ●	●																				
Compact Four-way Cassette			1.7 ●	● ●	● ●	● ●	● ●	5.2																													
Medium Static Pressure Duct			1.7 ●	● ●	● ●	● ●	● ●	● ●	● ●		● ●	● ●		● ●		● ●	●																				
High Static Pressure Duct									● ●		● ●	● ●		● ●		● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●	● ●										
Wall Mounted			1.7 ●	● ●	● ●	● ●	● ●	● ●	● ●		● ●	● ●																									
Ceiling & Floor						● ●	● ●	● ●	● ●		● ●	● ●		● ●		● ●	●																				
Floor Standing - Concealed				●	●	●	●	●	●		●																										
Floor Standing - Exposed				●	●	●	●	●	●		●																										
Console				●	●	●	●																														
Fresh Air Processing Unit																				●	●																

● 2nd Gen. DC Indoor Units ● 2nd Gen. AC Indoor Units

Notes:
 Fresh air processing unit is not available for V4+W and Mini VRF Series.
 No controller is supplied inside the indoor unit package. Controllers must be purchased separately.

Functions		One-way Cassette	Two-way Cassette	Compact Four-way Cassette	Four-way Cassette	Medium Static Pressure Duct	High Static Pressure Duct	Wall Mounted	Ceiling & Floor	Floor Standing	Console	Fresh Air Processing Unit	
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 ¹	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	● (45-71)	●	● (AC series) × (DC series)	●	●	×	×	×	×	●	
	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	×	×	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 (45-71)	×	×	×	×	×	×	Manually set fixed angle+auto	×	×	×
	Fan speed steps	3 or 7 fan speeds can be selected to optimize comfort levels	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	7+auto	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)	3+auto (AC series) 7+auto (DC series)
	Individual louver control	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	×	×	×	×	●	●	×	×	×	×	●
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	●	●	●	●	●	●	● (DC series) × (AC series)	●	●	●	●
	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 ²	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. 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		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Fresh air intake	● (45 to 71)	● (45 to 71)
	Dirty filters indicator signal	●	●
Air flow	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Minimized height	●	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

Note:
● equipped as standard

COMFORT

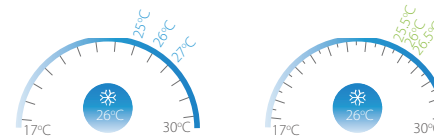
Quiet Operation

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

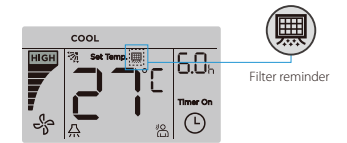
Fresh Air Intake

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

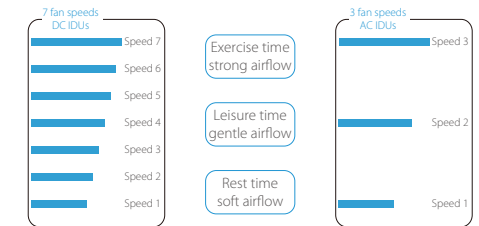
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

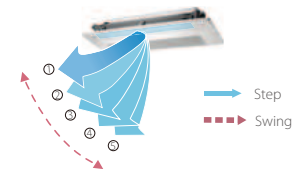
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

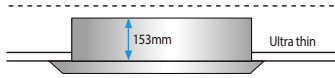
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



EASY INSTALLATION

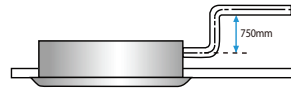
Easy Installation

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 - DC Series

Model		M12-18Q1DN1	M12-22Q1DN1	M12-28Q1DN1	M12-36Q1DN1	
Power supply		1-phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6
		kBtu/h	6.1	7.5	9.6	12.3
	Power input	W	25	25	30	30
Heating ²	Capacity	kW	2.2	2.6	3.2	4.0
		kBtu/h	7.5	8.9	10.9	13.6
	Power input	W	25	25	30	30
Airflow rate	m ³ /h	380/355/330/300/286/263/240		460/440/410/380/355/330/300		
Sound pressure level ³	dB(A)	30/28/27/26/25/24/22		37/36/35/34/32/31/30	38/37/35/34/32/31/30	
Sound power level	dB(A)	44/42/41/40/39/38/36		51/50/49/48/46/45/44	52/51/49/48/46/45/44	
Indoor unit	Net dimensions* (WxHxD)	mm	1054x153x425			
	Packed dimensions (WxHxD)	mm	1155x245x490			
	Net/Gross weight	kg	11.8/15.3		12.3/15.8	
Panel	Net dimensions (WxHxD)	mm	1180x25x465			
	Packed dimensions (WxHxD)	mm	1232x107x517			
	Net/Gross weight	kg	3.5/5.2			
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7			
	Drain pipe	mm	OD Ø25			

Model		M12-45Q1DN1	M12-56Q1DN1	M12-71Q1DN1	
Power supply		1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	40	48	60
Heating ²	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	40	48	60
Airflow rate	m ³ /h	693/662/638/600/556/510/476	792/763/728/688/643/589/549	933/873/815/749/689/637/592	
Sound pressure level ³	dB(A)	39/37/36/35/34/32/31	41/39/38/37/36/35/33	43/41/40/39/37/36/35	
Sound power level	dB(A)	53/51/50/49/48/46/45	55/53/52/51/50/49/47	57/55/54/53/51/50/49	
Indoor unit	Net dimensions* (WxHxD)	mm	1275x189x450		
	Packed dimensions (WxHxD)	mm	1370x295x505		
	Net/Gross weight	kg	16.1/20.4	16.4/20.7	17.6/22.4
Panel	Net dimensions (WxHxD)	mm	1350x25x505		
	Packed dimensions (WxHxD)	mm	1410x95x560		
	Net/Gross weight	kg	4/5.4		
Pipe connections	Liquid/Gas pipe	mm	Ø6.35/Ø12.7		
	Drain pipe	mm	Ø9.53/Ø15.9		

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.

Specifications - AC Series

Model		MDV-D18Q1/N1-D(B)	MDV-D22Q1/N1-D(B)	MDV-D28Q1/N1-D(B)	MDV-D36Q1/N1-D(B)	
Power supply		1 phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	1.8	2.2	2.8	3.6
	Input	W	41	41	41	41
Heating ²	Capacity	kW	2.2	2.6	3.2	4
	Input	W	41	41	41	41
Indoor fan motor	Type	AC				
	Quantity	1				
Airflow rate (H/M/L)	m ³ /h	523/404/275	523/404/275	573/456/315	573/456/315	
Sound pressure level (H/M/L) ³	dB(A)	37/34/30	37/34/30	39/37/34	39/37/34	
Refrigerant type		R410A				
Indoor unit	Dimension* (WxHxD)	mm	1054x153x425			
	Packing (WxHxD)	mm	1155x245x490			
	Net/Gross weight	kg	12.5/16	12.5/16	13/16.5	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	Ø6.35			
	Gas pipe	mm	Ø12.7			
	Drain pipe	mm	OD Ø25			

Model		MDV-D45Q1/N1-D(B)	MDV-D56Q1/N1-D(B)	MDV-D71Q1/N1-D(B)	
Power supply		1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	4.5	5.6	7.1
	Input	W	48	48	60
Heating ²	Capacity	kW	5	6.3	8
	Input	W	48	48	60
Indoor fan motor	Type	AC			
	Quantity	1			
Airflow rate (H/M/L)	m ³ /h	693/600/476	792/688/549	933/749/592	
Sound pressure level (H/M/L) ³	dB(A)	41/39/35	42/40/36	44/41/37	
Refrigerant type		R410A			
Indoor unit	Dimension* (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	Ø6.35	Ø9.53	Ø9.53
	Gas pipe	mm	Ø12.7	Ø15.9	Ø15.9
	Drain pipe	mm	OD Ø25		

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.

Two-way Cassette



Compact and lightweight two-way airflow, perfect for limited ceiling space applications.

Key Features

Two-way Cassette		DC Series	AC Series
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	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Minimized height	●	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

Note:
●:equipped as standard

COMFORT

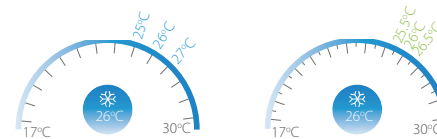
Quiet Operation

The Two-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 24dB(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.



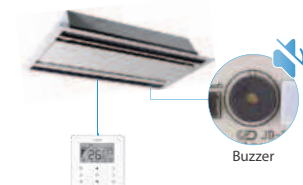
Digital Display On/Off

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



Buzzer Sound On/Off

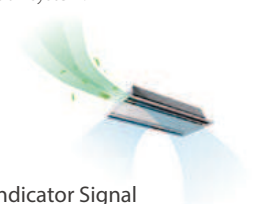
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

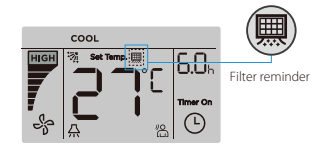
Fresh Air Intake

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

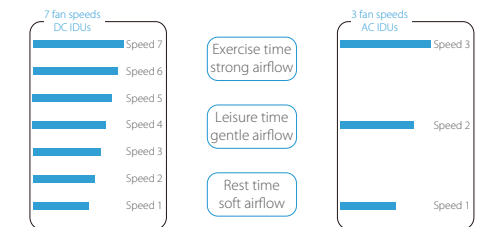
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

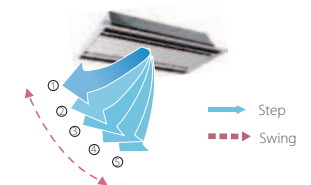
Multiple Fan Speeds

The DC Series supplies 7 indoor fan speeds and AC Series supplies 3 indoor fan speeds 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

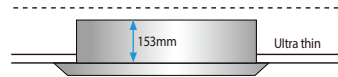
High Airflow

A high airflow rate ensures even airflow and temperature throughout the room, even in high ceiling installations.



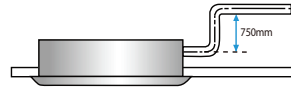
Easy Installation

The slim, compact design make the Two-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 - DC Series

Model			MI2-22Q2DN1	MI2-28Q2DN1	MI2-36Q2DN1	MI2-45Q2DN1	MI2-56Q2DN1	MI2-71Q2DN1
Power supply			1-phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1
		kBtu/h	7.5	9.6	12.3	15.4	19.1	24.2
Heating ²	Power input	W	35	40	40	50	69	98
	Capacity	kW	2.6	3.2	4.0	5.0	6.3	8.0
		kBtu/h	8.9	10.9	13.6	17.1	21.5	27.3
	Power input	W	35	40	40	50	69	98
Airflow rate	m ³ /h		654/612/571/530/488/449/410		725/679/641/591/554/509/458	850/792/731/670/631/592/550	980/925/855/800/755/702/670	1200/1115/1068/1000/921/808/770
Sound pressure level ³	dB(A)		33/31/30/29/27/25/24		35/33/32/30/29/27/25	37/36/35/34/32/31/30	39/37/36/35/33/31/30	44/42/41/40/38/36/34
Sound power level	dB(A)		49/47/46/45/43/41/40		51/49/48/46/45/43/41	53/52/51/50/48/47/46	55/53/52/51/49/47/46	60/58/57/56/54/52/50
Indoor unit	Net dimensions ⁴ (WxHxD)	mm	1172x299x591					
	Packed dimensions (WxHxD)	mm	1355x400x675					
	Net/Gross weight	kg	33.5/42.0					35/43.5
Panel	Net dimensions (WxHxD)	mm	1430x53x680					
	Packed dimensions (WxHxD)	mm	1525x130x765					
	Net/Gross weight	kg	10.5/15					
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			Φ9.53/Φ15.9		
	Drain pipe	mm	OD Φ32					

Specifications - AC Series

Model			MDV-D22Q2/N1(B)	MDV-D28Q2/N1(B)	MDV-D36Q2/N1(B)	MDV-D45Q2/N1(B)	MDV-D56Q2/N1(B)	MDV-D71Q2/N1(B)
Power supply			1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6	7.1
	Input	W	57	57	60	92	108	154
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3	8
	Input	W	57	57	60	92	108	154
Indoor fan motor	Type		AC					
	Quantity		1					
Refrigerant type			R410A					
Airflow rate (H/M/L)	m ³ /h		654/530/410	654/530/410	725/591/458	850/670/550	980/800/670	1200/1000/770
Sound pressure level (H/M/L) ³	dB(A)		33/29/24	36/32/29	36/32/29	39/35/30	39/35/30	44/40/34
Indoor unit	Dimension ⁴ (WxHxD)	mm	1172x299x591					
	Packing (WxHxD)	mm	1355x400x675					
	Net/Gross weight	kg	34/42.5			36/44.5		
Panel	Dimension (WxHxD)	mm	1430x53x680					
	Packing (WxHxD)	mm	1525x130x765					
	Net/Gross weight	kg	10.5/15					
Pipe connections	Liquid pipe	mm	Φ6.35			Φ9.53		
	Gas pipe	mm	Φ12.7			Φ15.9		
	Drain pipe	mm	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 design allows installation in shallow ceilings.

Key Features

Compact Four-way Cassette		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
Health	Buzzer sound on/off	●	●
	Fresh air intake	×	●
Air flow	Dirty filters indicator signal	●	●
	360° airflow	●	●
	Multiple fan speeds	7+auto	3+auto
Easy installation	Multiple steps vertical swing	5+auto	5+auto
	Compact size	●	●
	High-lift drain pump	Rated head: 1000mm Raise height: 500mm	Rated head: 1000mm Raise height: 500mm

Notes:

- : equipped as standard; ×: without this function

COMFORT

Quiet Operation

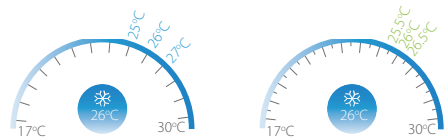
The Compact Four-way Cassette's optimized, low resistance air outlets reduce noise levels to as low as 22dB(A).



22dB(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

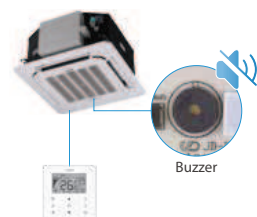
Indoor unit displays can be shut off at night, creating a better environment for rest.



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

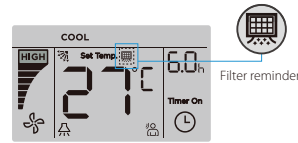
Fresh Air Intake

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

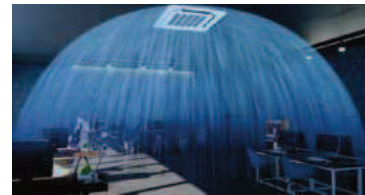
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

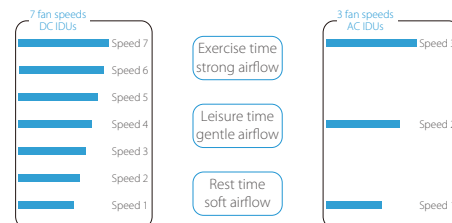
360° Airflow

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.



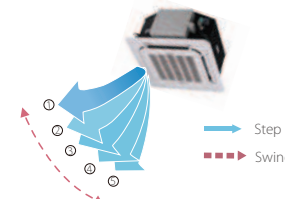
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

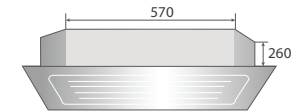
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



EASY INSTALLATION

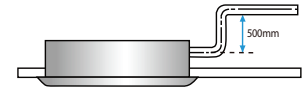
Compact Size

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 - DC Series

Model	MI2-17Q4CDN1	MI2-22Q4CDN1	MI2-28Q4CDN1	MI2-36Q4CDN1	MI2-45Q4CDN1	MI2-52Q4CDN1		
Power supply	1-phase, 220-240V, 50Hz							
Cooling ¹	Capacity	kW	1.7	2.2	2.8	3.6	4.5	5.2
	Power input	W	35	35	35	40	50	62
Heating ²	Capacity	kW	2.2	2.4	3.2	4.0	5.0	5.6
	Power input	W	35	35	35	40	50	62
Airflow rate	m ³ /h	380/345/313/300/288/268/238	414/380/345/313/288/268/238	521/485/450/409/380/350/314		635/580/481/446/410/380/350		
Sound pressure level ³	dB(A)	35/34/33/29/26/23/22			41/38/35/32/30/29/28		52/48/35/32/30/29/28	
Sound power level	dB(A)	51/50/49/45/42/39/38			56/53/50/47/45/44/43		60/55/50/47/45/44/43	
Indoor unit	Net dimensions ⁴ (WxHxD)	mm	630x260x570					
	Packed dimensions (WxHxD)	mm	700x345x660					
	Net/Gross weight	kg	18/23.8		19.2/25.0			
Panel	Net dimensions (WxHxD)	mm	647x50x647					
	Packed dimensions (WxHxD)	mm	715x123x715					
	Net/Gross weight	kg	2.5/4.5					
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7					
	Drain pipe	mm	OD Φ25					

Specifications - AC Series

Model	MDV-D15Q4/N1-A3(B)	MDV-D22Q4/N1-A3(B)	MDV-D28Q4/N1-A3(B)	MDV-D36Q4/N1-A3(B)	MDV-D45Q4/N1-A3(B)		
Power supply	1 phase, 220-240V, 50Hz						
Cooling ¹	Capacity	kW	1.5	2.2	2.8	3.6	4.5
	Input	W	36	50	50	56	56
Heating ²	Capacity	kW	1.7	2.4	3.2	4	5
	Input	W	36	50	50	56	56
Indoor fan motor	Type	AC					
	Quantity	1					
Refrigerant type	R410A						
Airflow rate (H/M/L)	m ³ /h	400/283/208	414/313/238	414/313/238	521/409/314	521/409/314	
Sound pressure level (H/M/L) ³	dB(A)	35/33/23	36/33/23	36/33/23	42/36/29	42/36/29	
Indoor unit	Dimension ⁴ (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	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.

Four-way Cassette



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

Key Features

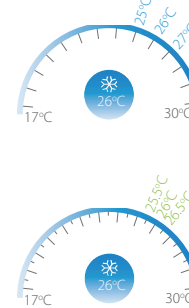
Four-way Cassette		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Air filter	○ (G3-class)	●
	Fresh air intake	●	●
	Dirty filters indicator signal	●	●
Air flow	360° airflow	●	●
	Individual louver control	○	○
	Soft wind	●	●
	Multiple fan speeds	7+auto	3+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Compact size	●	●
	High ceiling installation	●	●
	High-lift drain pump	Rated head: 1200mm Raise height: 750mm	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.

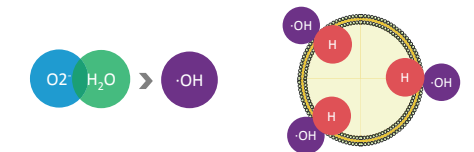


The optional filter comply with EN779:2012

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%.

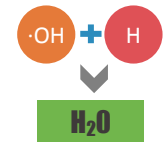


1. Negative ions combine with water molecules to form OH radicals

2. OH radical extraction of hydrogen from bacterial proteins



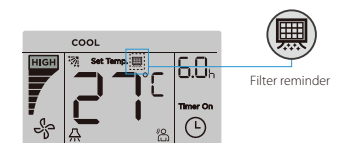
3. Components of bacterial tissues are destroyed and become ineffective (realize sterilization)



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.



AIR FLOW

360° Airflow

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



Individual louver control*

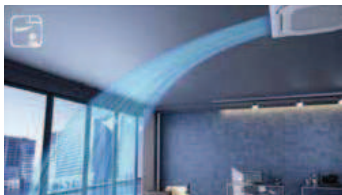
The Individual louver control can control the motors separately, making it possible to control all four louvers independently.



*This function is available as a customization option.

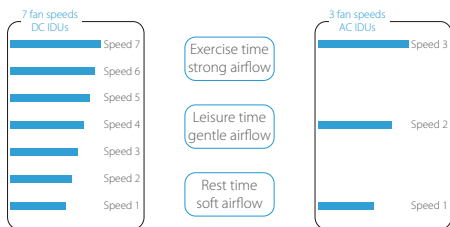
Soft Wind Mode

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



Multiple Fan Speeds

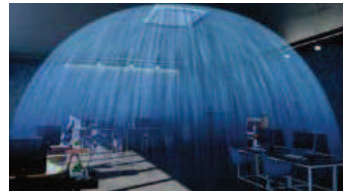
The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



EASY INSTALLATION

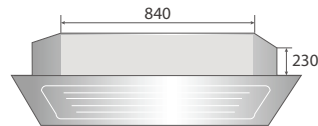
High Ceiling Installation

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.



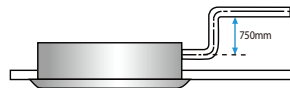
Compact Size

The height of models 28 to 80 are just 230mm whilst models 90 to 160 are 300mm, making the Four-way Cassette idea for standard ceilings.



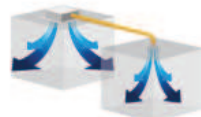
High-lift Drain Pump

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



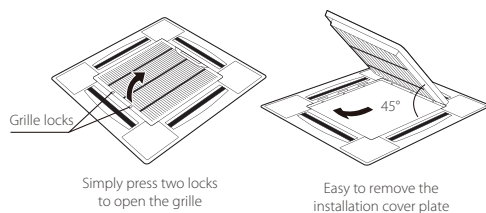
Sub Duct

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 - DC Series

Model	MI2-28Q4DN1	MI2-36Q4DN1	MI2-45Q4DN1	MI2-56Q4DN1	MI2-71Q4DN1	
Power supply	1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW 2.8	3.6	4.5	5.6	7.1
	kBtu/h	9.6	12.3	15.4	19.1	24.2
Heating ²	Capacity	kW 4.0	4.5	5.0	6.0	7.0
	kBtu/h	10.9	13.6	17.1	21.5	27.3
Airflow rate	m ³ /h	801/751/711/658/637/611/542		893/866/804/744/714/698/635		977/937/864/800/778/738/671
Sound pressure level ³	dB(A)	32/31/30/28/28/26/23		35/34/31/31/30/28/26		35/35/34/31/30/28/27
Sound power level	dB(A)	47/46/45/43/43/41/39		50/49/46/46/45/42/40		50/49/47/47/45/42/41
Indoor unit	Net dimensions* (WxHxD)	mm 840x230x840				
	Packed dimensions (WxHxD)	mm 955x260x955				
	Net/Gross weight	kg 21.3/25.8		23.2/27.6		
Panel	Net dimensions (WxHxD)	mm 950x54.5x950				
	Packed dimensions (WxHxD)	mm 1035x90x1035				
	Net/Gross weight	kg 5.5/8.2				
Pipe connections	Liquid/Gas pipe	mm Ø6.35/Ø12.7			Ø9.53/Ø15.9	
	Drain pipe	mm OD Ø32				

Model	MI2-80Q4DN1	MI2-90Q4DN1	MI2-100Q4DN1	MI2-112Q4DN1	MI2-140Q4DN1	
Power supply	1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW 8.0	9.0	10.0	11.2	14.0
	kBtu/h	27.3	30.7	34.1	38.2	47.8
Heating ²	Capacity	kW 9.0	10.0	11.0	12.5	16.0
	kBtu/h	30.7	34.1	37.5	42.7	54.6
Airflow rate	m ³ /h	1203/1131/1064/977/912/840/774	1349/1294/1230/1201/1111/1029/970	1700/1600/1440/1250/1200/1150/1100	1700/1600/1440/1250/1200/1150/1100	1800/1650/1500/1300/1250/1200/1150
Sound pressure level ³	dB(A)	36/35/34/31/31/29/28		37/35/34/31/31/30/28		43/42/40/38/37/35/34
Sound power level	dB(A)	52/49/48/46/46/42/42		53/49/48/46/46/44/43		58/57/55/53/52/50/49
Indoor unit	Net dimensions* (WxHxD)	mm 840x230x840				
	Packed dimensions (WxHxD)	mm 955x260x955				
	Net/Gross weight	kg 23.2/27.6		28.4/33.8		30.7/35.8
Panel	Net dimensions (WxHxD)	mm 950x54.5x950				
	Packed dimensions (WxHxD)	mm 1035x90x1035				
	Net/Gross weight	kg 5.5/8.2				
Pipe connections	Liquid/Gas pipe	mm Ø9.53/Ø15.9			Ø9.53/Ø15.9	
	Drain pipe	mm OD Ø32				

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-D28Q4/N1-E(B)	MDV-D36Q4/N1-E(B)	MDV-D45Q4/N1-E(B)	MDV-D56Q4/N1-E(B)	MDV-D71Q4/N1-E(B)
Power supply			1 phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	2.8	3.6	4.5	5.6	7.1
	Power input	W	80	80	88	88	88
Heating ²	Capacity	kW	3.2	4	5	6.3	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 ³ /h	764/638/554	764/638/554	905/740/651	905/740/651	950/767/663
Sound pressure level (H/M/L) ³		dB(A)	32/31/30	32/31/30	36/34/33	36/34/33	38/36/35
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	ODΦ32				

Model			MDV-D80Q4/N1-E(B)	MDV-D90Q4/N1-E(B)	MDV-D100Q4/N1-E(B)	MDV-D112Q4/N1-E(B)	MDV-D140Q4/N1-E(B)
Power supply			1 phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	8	9	10	11.2	14
	Power input	W	110	140	165	165	176
Heating ²	Capacity	kW	9	10	11.1	12.5	16
	Power input	W	110	140	165	165	176
Indoor fan motor	Type		AC				
	Quantity		1				
Refrigerant type			R410A				
Airflow rate (H/M/L)		m ³ /h	1200/1021/789	1332/1129/908	1651/1304/1127	1651/1304/1127	1658/1335/1130
Sound pressure level (H/M/L) ³		dB(A)	42/39/37	43/39/38	45/42/40	45/42/40	46/41/39
Indoor unit	Dimension* (WxHxD)	mm	840x300x840				
	Packing (WxHxD)	mm	955x260x955				
	Net/Gross weight	kg	23.7/28.9	28.7/34.1	28.7/34.1	28.7/34.1	30.9/36.3
Panel	Dimension (WxHxD)	mm	950x50x950				
	Packing (WxHxD)	mm	1035x89x1035				
	Net/Gross weight	kg	5.8/7.9				
Pipe connections	Liquid pipe	mm	Φ9.53				
	Gas pipe	mm	Φ15.9				
	Drain pipe	mm	ODΦ32				

Notes:

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

Medium Static Pressure Duct



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

Key Features

Medium Static Pressure Duct		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Air filter	○ (G3-class)	○ (G3-class)
	Innovative puro-air kit	●	●
	Fresh air intake	●	●
Air flow	Dirty filters indicator signal	●	●
	Adjustable ESP	10-steps	×
	Multiple fan speeds	7+auto	3+auto
Easy installation	Compact size	●	●
	Stylish air discharge panel	○ (17 to 71)	○ (17 to 71)
	Flexible air inlet port installation	●	●
	High-lift drain pump	●	●
		Rated head: 1200mm Raise height: 750mm	Rated head: 1200mm Raise height: 750mm

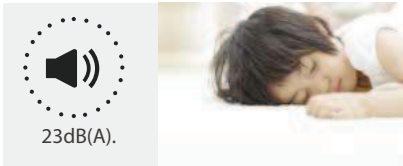
Note:

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

COMFORT

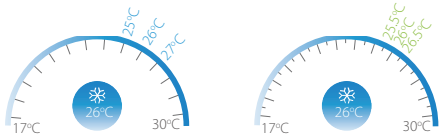
Quiet Operation

The Medium Static Pressure Duct indoor unit utilizes centrifugal blowers, reducing noise levels to as low as 23dB(A), and is an excellent choice for hotels and other noise-sensitive locations.



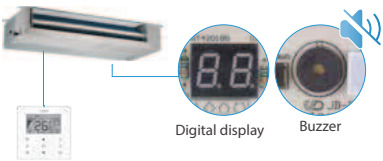
0.5°C/1°C Setting Temperature Adjustment

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



Digital Display 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.



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.

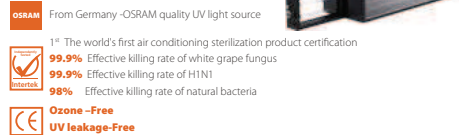


The optional filter comply with EN779:2012

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



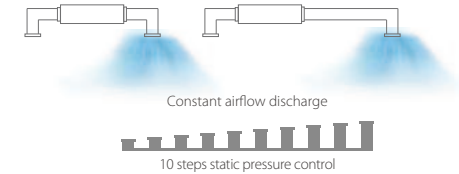
- OSRAM** From Germany -OSRAM quality UV light source
- Intertek** 1st The world's first air conditioning sterilization product certification
- 99.9%** Effective killing rate of white grape fungus
- 99.9%** Effective killing rate of H1N1
- 98%** Effective killing rate of natural bacteria
- Ozone-Free**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

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

AIR FLOW

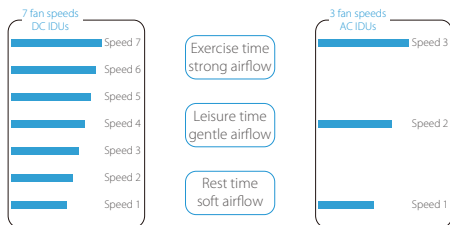
Static Pressure 10 Steps Control

Depending on the installation environment, Medium Static Pressure Duct is controlled the static pressure up to 10 steps via wired remote controller, for providing comfortable environment suitable for any environment.



Multiple Fan Speeds

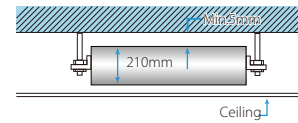
The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



EASY INSTALLATION

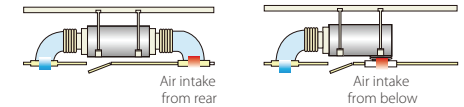
Compact Size

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



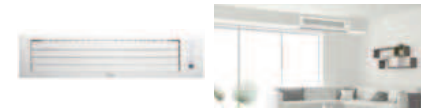
Flexible Air Inlet Port Installation

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.



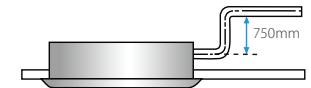
Stylish Air Discharge Panel

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



High-lift Drain Pump

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



Specifications - DC Series

Standard Series

Model			M12-17T2DN1	M12-22T2DN1	M12-28T2DN1	M12-36T2DN1
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	1.7	2.2	2.8	3.6
		kBtu/h	5.8	7.5	9.6	12.3
Heating ²	Power input	W	40	40	40	45
	Capacity	kW	2.2	2.6	3.2	4.0
		kBtu/h	7.5	8.2	10.9	13.6
	Power input	W	40	40	40	45
Airflow rate	m ³ /h		520/480/440/400/360/330/300			580/540/500/460/430/400/370
External static pressure	Pa		10(0-50)		10(0-70)	
Sound pressure level ³	dB(A)		32/31/29/28/26/25/23			33/32/31/30/28/27/25
Sound power level	dB(A)		50/49/47/46/44/43/41			51/50/49/48/46/45/43
Indoor unit	Net dimensions* (WxHxD)	mm	780x210x500			
	Packed dimensions (WxHxD)	mm	870x285x525			
	Net/Gross weight	kg	18/21			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7			
	Drain pipe	mm	OD Φ25			

Model			M12-45T2DN1	M12-56T2DN1	M12-71T2DN1
Power supply			1 phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
Heating ²	Power input	W	92	92	98
	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	92	92	98
Airflow rate	m ³ /h		800/740/680/620/540/480/400	830/760/720/680/640/600/560	1000/960/900/840/780/720/680
External static pressure	Pa		10(0-70)		
Sound pressure level ³	dB(A)		36/34/32/31/29/27/25	36/34/33/32/30/29/28	37/35/33/32/30/29/28
Sound power level	dB(A)		54/52/50/49/47/45/43	54/52/51/50/48/47/46	55/53/51/50/48/47/46
Indoor unit	Net dimensions* (WxHxD)	mm	1000x210x500		
	Packed dimensions (WxHxD)	mm	1090x285x525		
	Net/Gross weight	kg	21.5/25		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7		Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ25		

Specifications - AC Series

Model			MDV-D22T2/N1-DA5(B)	MDV-D28T2/N1-DA5(B)	MDV-D36T2/N1-DA5(B)	MDV-D45T2/N1-DA5(B)	MDV-D56T2/N1-DA5(B)
Power supply			1 phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5	5.6
	Input	W	57	57	61	98	103
Heating ²	Capacity	kW	2.6	3.2	4	5	6.3
	Input	W	57	57	61	98	103
Indoor fan motor	Type		AC				
	Quantity		1				
Refrigerant type			R410A				
Airflow rate (H/M/L)	m ³ /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) ³	dB(A)		31/24/21	31/24/21	35/28/24	36/29/26	36/29/27
Indoor unit	Dimension* (WxHxD)	mm	778x210x500				997x210x500
	Packing (WxHxD)	mm	870x285x525				1115x285x525
	Net/Gross weight	kg	17.5/20				22/25
Piping connections	Liquid pipe	mm	Φ6.35				Φ9.53
	Gas pipe	mm	Φ12.7				Φ15.9
	Drain pipe	mm	OD Φ25				

Model			MDV-D71T2/N1-DA5(B)	MDV-D80T2/N1-BA5(B)	MDV-D90T2/N1-BA5(B)	MDV-D112T2/N1-BA5(B)	MDV-D140T2/N1-BA5(B)
Power supply			1 phase, 220-240V, 50Hz				
Cooling ¹	Capacity	kW	7.1	8	9	11.2	14
	Input	W	140	198	200	313	274
Heating ²	Capacity	kW	8	9	10	12.5	15.5
	Input	W	140	198	200	313	274
Indoor fan motor	Type		AC				
	Quantity		1				
Refrigerant type			R410A				
Airflow rate (H/M/L)	m ³ /h		985/738/630	1345/1165/1013	1345/1165/1013	1800/1556/1400	1905/1636/1400
External static pressure (Std/Min-Max)	Pa		10(0-30)	20(10-50)	20(10-50)	40(10-80)	40(10-100)
Sound pressure level (H/M/L) ³	dB(A)		36/30/27	45/40/37	45/40/37	48/42/38	48/43/39
Indoor unit	Dimension* (WxHxD)	mm	1218x210x500				1290x300x865
	Packing (WxHxD)	mm	1335x285x525				1400x375x925
	Net/Gross weight	kg	27.5/31				46.5/55.5
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.

Model			MI2-80T2DN1	MI2-90T2DN1	MI2-112T2DN1	MI2-140T2DN1
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	8.0	9.0	11.2	14.0
	Power input	W	110	120	200	250
Heating ²	Capacity	kW	9.0	10.0	12.5	15.5
	Power input	W	110	120	200	250
Airflow rate	m ³ /h		1260/1180/1100/1020/940/860/780	1500/1430/1360/1290/1210/1140/1080	1960/1860/1760/1660/1560/1460/1360	
External static pressure	Pa		20 (10-100)			40 (30-150)
Sound pressure level ³	dB(A)		37/35/34/33/31/29/28	39/38/38/37/35/34/33	41/39/38/37/36/35/33	59/57/56/55/54/53/51
Sound power level	dB(A)		55/53/52/51/49/47/46	57/56/56/55/53/52/51		
Indoor unit	Net dimensions* (WxHxD)	mm	1230x270x775			1290x300x865
	Packed dimensions (WxHxD)	mm	1355x355x795			1400x375x925
	Net/Gross weight	kg	36.5/44.5	37/45		46.5/55.5
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/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 - DC Series

ESP Increased Series

Model			MI2-22T2DN1(A)	MI2-28T2DN1(A)	MI2-36T2DN1(A)
Power supply			1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	2.2	2.8	3.6
	Power input	W	22	27	34
Heating ²	Capacity	kW	2.6	3.2	4
	Power input	W	22	27	34
Airflow rate ³	m ³ /h		430/420/410/400/390/380/370	500/480/460/430/400/380/370	580/540/500/460/430/400/370
External static pressure	Pa		30 (0-80)		
Sound pressure level ⁴	dB(A)		26/26/25/25/24/22/21	28/27/26/25/24/22/22	31/30/28/26/25/23/22
Sound power level	dB(A)		46/46/45/44/43/42/41	47/47/46/45/44/43/42	50/49/47/45/44/41/40
Indoor unit	Net dimensions* (WxHxD)	mm	920x210x450		
	Packed dimensions (WxHxD)	mm	1140x292x560		
	Net/Gross weight	kg	21/25		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	Drain pipe	mm	OD Φ25		

Model			MI2-45T2DN1(A)	MI2-56T2DN1(A)	MI2-71T2DN1(A)
Power supply			1-phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	4.5	5.6	7.1
	Power input	W	55	63	79
Heating ²	Capacity	kW	5	6.3	8
	Power input	W	55	63	79
Airflow rate ³	m ³ /h		910/850/790/730/670/610/550	1000/945/885/825/765/705/635	1270/1200/1130/1060/990/920/850
External static pressure	Pa		30 (0-150)		
Sound pressure level ⁴	dB(A)		37/36/35/33/31/29/27	38/36/35/33/31/29/28	38/37/35/34/31/29
Sound power level	dB(A)		56/54/53/52/50/47/45	57/56/55/52/50/49/48	59/58/57/55/54/53/50
Indoor unit	Net dimensions* (WxHxD)	mm	920x270x570		
	Packed dimensions (WxHxD)	mm	1145x355x705		
	Net/Gross weight	kg	29/34	29/34	36/42
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	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.

High Static Pressure Duct



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

Key Features

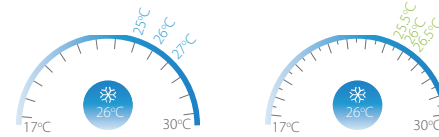
High Static Pressure Duct		DC Series	AC Series
Comfort	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Air filter	○ (G3-class)	○ (G3-class)
	Innovative puro-air kit	○	○
	Dirty filters indicator signal	●	●
Air flow	Adjustable ESP	20-steps	×
	Multiple fan speeds	7+auto	3+auto
Easy installation	Compact size	●	●
	Flexible duct design	●	●
	Double-skin drainage pan	●	●
	High-lift water pump box	○	○

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

COMFORT

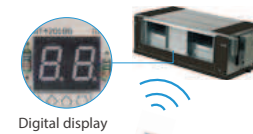
0.5°C/1°C Setting Temperature Adjustment

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



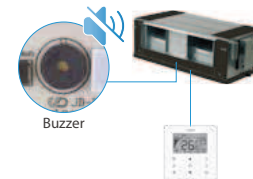
Digital Display On/Off

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



Buzzer Sound On/Off

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



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.

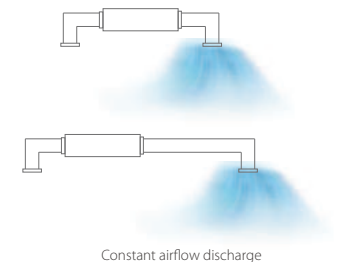


The optional filter comply with EN779:2012

AIR FLOW

Static Pressure 20 Steps Control

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



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

OSRAM From Germany -OSRAM quality UV light source

1st 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

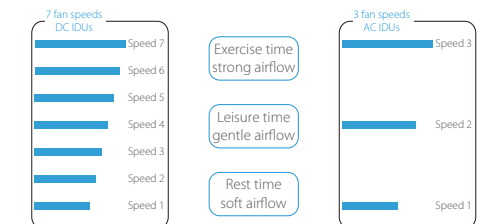
Ozone-Free
UV leakage-Free



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

Multiple Fan Speeds

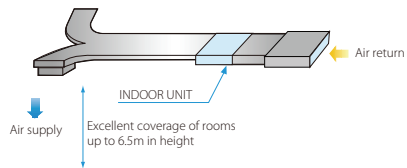
The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.



EASY INSTALLATION

Flexible Duct Design

High Static Pressure Duct supplies a wide static pressure from 30Pa to 400Pa which can support short to long duct with high ceiling air supply.



Specifications - DC Series

Model		M12-71TD1N1	M12-80TD1N1	M12-90TD1N1	M12-112TD1N1
Power supply		1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW 7.1	8.0	9.0	11.2
	Power input	kW 24.2	27.3	30.7	38.2
Heating ²	Capacity	kW 8.0	9.0	10.0	12.5
	Power input	kW 27.3	30.7	34.1	42.7
Airflow rate	m ³ /h	1360/1327/1293/1260/1227/1193/1160	1420/1373/1327/1280/1233/1187/1140	1870/1783/1697/1610/1523/1437/1350	
External static pressure	Pa	100(30~200)			
Sound pressure level ³	dB(A)	42/41/40/40/39/38	45/44/43/42/41/40/39	48/47/46/45/43/42/41	
Sound power level	dB(A)	60/59/58/58/57/57/56	63/62/61/60/59/58/57	66/65/64/63/61/60/59	
Indoor unit	Net dimensions* (WxHxD)	965x423x690			
	Packed dimensions (WxHxD)	1090x440x768			
	Net/Gross weight	48/55			
Pipe connections	Liquid/Gas pipe	Ø9.53/Ø15.9			
	Drain pipe	OD Ø25			

Model		M12-140TD1N1	M12-160TD1N1	M12-200TD1N1	M12-250TD1N1
Power supply		1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW 14.0	16.0	20.0	25.0
	Power input	kW 47.8	54.6	68.2	85.3
Heating ²	Capacity	kW 16.0	17.0	22.5	26.0
	Power input	kW 54.6	58.0	76.8	88.7
Airflow rate	m ³ /h	2240/2133/2027/1920/1813/1707/1600	2660/2530/2400/2270/2140/2010/1880	4330/4230/4130/4030/3930/3830/3730	
External static pressure	Pa	100(30~200)			
Sound pressure level ³	dB(A)	45/44/43/42/41/40/40	46/45/44/43/42/41/40	51/50/50/49/49/48/47	
Sound power level	dB(A)	63/62/61/60/59/58/58	64/63/62/61/60/59/58	69/68/68/67/67/66/65	
Indoor unit	Net dimensions* (WxHxD)	1322x423x691			
	Packed dimensions (WxHxD)	1436x450x768			
	Net/Gross weight	68/76			
Pipe connections	Liquid/Gas pipe	Ø9.53/Ø15.9			
	Drain pipe	OD Ø25			

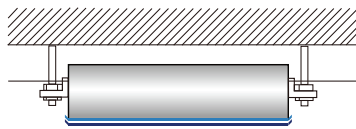
Model		M12-280TD1N1	M12-400TD1N1	M12-450TD1N1	M12-560TD1N1
Power supply		1-phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW 28.0	40.0	45.0	56.0
	Power input	kW 95.0	136.5	153.6	191.1
Heating ²	Capacity	kW 31.5	45.0	56.0	63.0
	Power input	kW 107.5	153.6	191.1	215.0
Airflow rate	m ³ /h	4330/4230/4130/4030/3930/3830/3730	6500/6150/5800/5450/5100/4750/4400	7400/7000/6600/6200/5800/5400/5000	
External static pressure	Pa	300(100~400)			
Sound pressure level ³	dB(A)	51/50/49/49/48/48/47	60/59/58/57/55/54/52	59/58/57/56/55/53/51	
Sound power level	dB(A)	69/68/67/67/66/66/65	78/77/76/75/73/72/70	77/76/75/74/73/71/69	
Indoor unit	Net dimensions* (WxHxD)	1454x515x931			
	Packed dimensions (WxHxD)	2010x680x905			
	Net/Gross weight	130/142			
Pipe connections	Liquid/Gas pipe	Ø12.7/Ø22.2			
	Drain pipe	OD Ø32			

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.

Double-skin Drainage Pan

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



Specifications - AC Series

Model		MDV-D71T1/N1-B(B)	MDV-D80T1/N1-B(B)	MDV-D90T1/N1-B(B)	MDV-D112T1/N1-B(B)	MDV-D140T1/N1-B(B)	MDV-D160T1/N1-B(B)
Power supply		1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW 7.1	8	9	11.2	14	16
	Power input	W 263	263	423	524	724	940
Heating ²	Capacity	kW 8	9	10	12.5	16	17
	Power input	W 263	263	423	524	724	940
Indoor fan motor	Type	AC					
	Quantity	1					
Refrigerant type		R410A					
Airflow rate (SH/H/W/L)	m ³ /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)
Sound pressure level (SH/H/W/L) ³	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* (WxHxD)	965x423x690					
	Packing (WxHxD)	1090x440x768					
	Net/Gross weight	45/50		45/50	46.5/52.4	48/53	67/73
Piping connections	Liquid pipe	Ø9.53					
	Gas pipe	Ø15.9					
	Drain pipe	OD Ø25					

Model		MDV-D200T1/N1-B(B)	MDV-D250T1/N1-B(B)	MDV-D280T1/N1-B(B)	MDV-D400T1/N1(B)	MDV-D450T1/N1(B)	MDV-D560T1/N1(B)
Power supply		1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW 20	25	28	40	45	56
	Power input	W 1408	1408	1408	2100	2100	2800
Heating ²	Capacity	kW 22.5	26	31.5	45	50	63
	Power input	W 1408	1408	1408	2100	2100	2800
Indoor fan motor	Type	AC					
	Quantity	2		3			
Refrigerant type		R410A					
Airflow rate (SH/H/W/L)	m ³ /h	4600/3765/2900/2100			7500/5800/4310/3090	7500/5800/4310/3090	8400/5859/4300/3100
External static pressure (Std/Min~Max)	Pa	250(50~300)				300(50~400)	
Sound pressure level (SH/H/W/L) ³	dB(A)	57/56/52/47		60/58/54/49		61/56/51/46	
Indoor unit	Dimension* (WxHxD)	1454x515x931					
	Packing (WxHxD)	1509x550x990					
	Net/Gross weight	124/135		202/233		202/233	
Piping connections	Liquid pipe	Ø12.7					
	Gas pipe	Ø22.2					
	Drain pipe	OD Ø32					

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.

Wall Mounted



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

Key Features

Wall Mounted	DC Series	AC Series	
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	7+auto
	Multiple steps vertical swing	5+auto	5+auto
Easy installation	Compact size	●	●
	Pure white stylish panel	4 options	4 options
	Exposed installation, no need ceilings	●	●
	Flexible pipe outlet direction	●	●

Note:
● equipped as standard

COMFORT

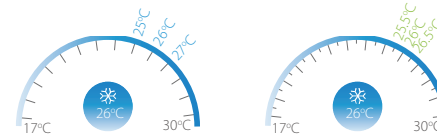
Quiet Operation

The minimum noise level of Wall Mounted is as low as 29dB(A), idea for hotels and other noise-sensitive locations.



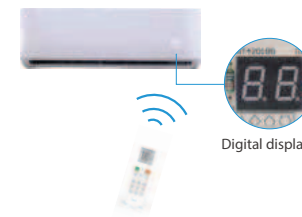
0.5°C/1°C Setting Temperature Adjustment

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



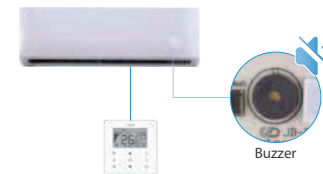
Digital Display On/Off

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



Buzzer Sound On/Off

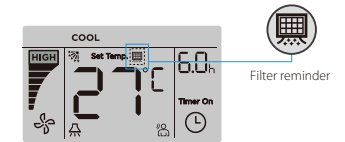
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Dirty Filters Indicator Signal

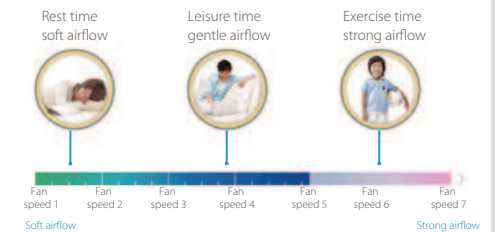
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

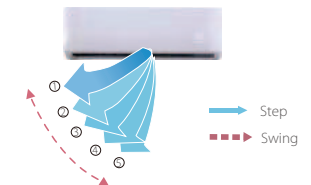
Multiple Fan Speeds

Both DC and AC Series come with 7 indoor fan speed options to meet the needs of different indoor conditions.



Multiple Steps Vertical Swing

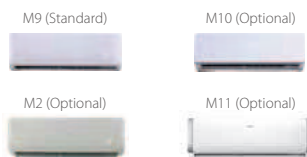
There are 5-steps louver control makes the air flow direction more precisely. In addition, the auto swing mode can better meet different customer needs.



EASY INSTALLATION

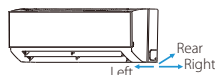
Pure White Stylish Panel

Pure white stylish panel with four options (M2, M9, M10 and M11), perfect fusion in all kinds of decoration.



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 - DC Series

Model	MI2-17GDN1		MI2-22GDN1		MI2-28GDN1	
Power supply	1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW	1.7	2.2	2.8	
		kBtu/h	5.8	7.5	9.6	
	Power input	W	28	28	28	
Heating ²	Capacity	kW	2.2	2.4	3.2	
		kBtu/h	7.5	8.2	10.9	
	Power input	W	28	28	28	
Airflow rate	m ³ /h	411/402/393/385/378/368/356	422/411/402/393/380/368/356	417/402/386/370/353/338/316		
Sound pressure level ³	dB(A)	31/30/30/29/29/29	31/30/30/29/29/29	31/30/30/29/29/29		
Sound power level	dB(A)	46/45/45/44/44/44	46/45/45/44/44/44	46/45/45/44/44/44		
Indoor unit	Net dimensions ⁴ (WxHxD)	mm	835x280x203			
	Packed dimensions (WxHxD)	mm	935x385x320			
	Net/Gross weight	kg	8.4/12.1	9.5/13.1		
	Net/Gross weight	kg	8.4/12.1			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ16			

Model	MI2-36GDN1		MI2-45GDN1		MI2-56GDN1	
Power supply	1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW	3.6	4.5	5.6	
		kBtu/h	12.3	15.4	19.1	
	Power input	W	30	40	45	
Heating ²	Capacity	kW	4.0	5.0	6.3	
		kBtu/h	13.6	17.1	21.5	
	Power input	W	30	40	45	
Airflow rate	m ³ /h	656/628/591/573/544/515/488	594/563/535/507/478/450/424	747/713/685/648/613/578/547		
Sound pressure level ³	dB(A)	33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34		
Sound power level	dB(A)	48/47/47/46/46/45/45	50/49/48/48/47/46/46	53/52/51/51/50/49/49		
Indoor unit	Net dimensions ⁴ (WxHxD)	mm	990x315x223			
	Packed dimensions (WxHxD)	mm	1085x420x335			
	Net/Gross weight	kg	11.4/15.5	12.8/16.9		
	Net/Gross weight	kg	11.4/15.5			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ16			

Model	MI2-71GDN1		MI2-80GDN1		MI2-90GDN1	
Power supply	1 phase, 220-240V, 50Hz					
Cooling ¹	Capacity	kW	7.1	8.0	9.0	
		kBtu/h	24.2	27.3	30.7	
	Power input	W	55	55	82	
Heating ²	Capacity	kW	8.0	9.0	10.0	
		kBtu/h	27.3	30.7	34.1	
	Power input	W	55	55	82	
Airflow rate	m ³ /h	1195/1130/1065/1005/940/875/809	1195/1130/1065/1005/940/875/809	1421/1300/1125/1067/1005/934/867		
Sound pressure level ³	dB(A)	44/43/42/39/38/37/36	44/43/42/39/38/37/36	48/46/45/43/41/40/38		
Sound power level	dB(A)	59/58/57/54/53/52/51	59/58/57/54/53/52/51	63/61/60/58/56/55/53		
Indoor unit	Net dimensions ⁴ (WxHxD)	mm	1194x343x262			
	Packed dimensions (WxHxD)	mm	1290x375x460			
	Net/Gross weight	kg	17.0/22.4			
	Net/Gross weight	kg	17.0/22.4			
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/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.
- 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

Model	MDV-D22G/N1-M		MDV-D28G/N1-M		MDV-D36G/N1-M		MDV-D45G/N1-M		
Power supply	1 phase, 220-240V, 50Hz								
Cooling ¹	Capacity	kW	2.2	2.8	3.6		4.5		
		W	29	29	31		45		
	Power input	W	29	29	31		45		
Heating ²	Capacity	kW	2.4	3.2	4		5		
		W	29	29	31		45		
	Power input	W	29	29	31		45		
Indoor fan motor	Type	AC							
	Quantity	1							
Refrigerant type	R410A								
Airflow rate	m ³ /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 ³	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 ⁴ (WxHxD)	mm	835x280x203					990x315x223	
	Packing (WxHxD)	mm	915x353x300					1075x395x300	
	Net/Gross weight	kg	8.5/11.0	8.5/11.0		9.7/12.2		13.8/16.4	
Pipe connections	Liquid pipe	mm	Φ6.35						
	Gas pipe	mm	Φ12.7						
	Drain pipe	mm	OD Φ16						

Model	MDV-D56G/N1-M		MDV-D71G/N1-M		MDV-D80G/N1-M		MDV-D90G/N1-M		
Power supply	1 phase, 220-240V, 50Hz								
Cooling ¹	Capacity	kW	5.6	7.1	8		9		
		W	54	77	77		90		
	Power input	W	54	77	77		90		
Heating ²	Capacity	kW	6.3	8	9		10		
		W	54	77	77		90		
	Power input	W	54	77	77		90		
Indoor fan motor	Type	AC							
	Quantity	1							
Refrigerant type	R410A								
Airflow rate	m ³ /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 ³	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 ⁴ (WxHxD)	mm	990x315x223					1194x343x262	
	Packing (WxHxD)	mm	1075x395x300					1265x420x345	
	Net/Gross weight	kg	13.8/16.4	17.4/20.8		17.6/21.0		17.6/21.0	
Pipe connections	Liquid pipe	mm	Φ9.53						
	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.
- 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

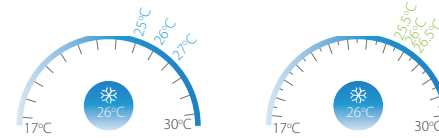
Ceiling & Floor	DC Series	AC Series
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	●
	Dirty filters indicator signal	●
Air flow	Multiple fan speeds	7+auto
	Multiple steps vertical swing	5+auto
	Horizontal swing	●
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.



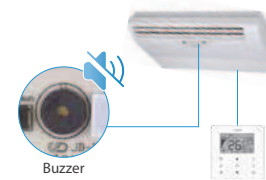
Digital Display On/Off

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



Buzzer Sound On/Off

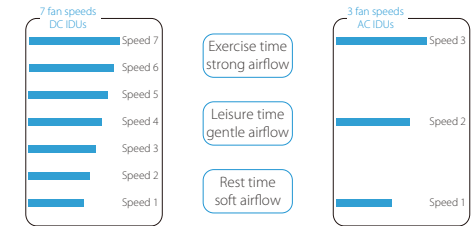
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



AIR FLOW

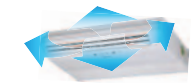
Multiple Fan Speeds

The DC Series comes with 7 indoor fan speed options and AC Series with 3 indoor fan speed options to meet the needs of different indoor conditions.

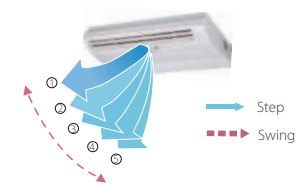


Multiple Steps Vertical Swing and Horizontal Swing

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.



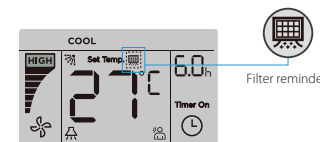
Horizontal & Vertical



HEALTH

Dirty Filters Indicator Signal

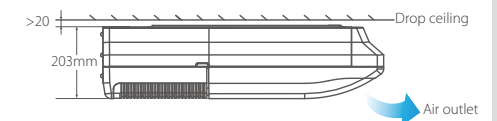
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



EASY INSTALLATION

Pure White Stylish Panel with Slim Design

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



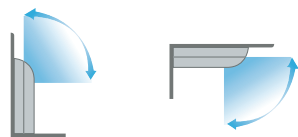
Exposed Installation, Easy Installation and Maintenance

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 - DC Series

Model			M12-36DLN1	M12-45DLN1	M12-56DLN1	M12-71DLN1
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	3.6	4.5	5.6	7.1
		kBtu/h	12.3	15.4	19.1	24.2
Heating ²	Capacity	kW	4.0	5.0	6.3	8.0
		kBtu/h	13.6	17.1	21.5	27.3
Power input		W	49	115	115	115
Airflow rate			m ³ /h 550/525/500/480/460/440/420 800/750/700/650/600/550/500			
Sound pressure level ³			dB(A) 40/39/38/38/37/36/36 43/42/41/41/39/38/38			
Sound power level			dB(A) 53/52/51/51/50/49/49 56/55/54/54/52/51/51			
Indoor unit	Net dimensions* (WxHxD)	mm	990x660x203			
	Packed dimensions (WxHxD)	mm	1089x744x296			
	Net/Gross weight	kg	27/33	28/34		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ16			

Model			M12-80DLN1	M12-90DLN1	M12-112DLN1	M12-140DLN1
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	8.0	9.0	11.2	14.0
		kBtu/h	27.2	30.7	38.2	47.8
Heating ²	Capacity	kW	9.0	10.0	12.5	15.0
		kBtu/h	30.7	34.1	42.7	51.2
Power input		W	130	130	180	180
Airflow rate			m ³ /h 1280/1245/1210/1170/1130/1085/1050 1890/1830/1765/1700/1660/1620/1580			
Sound pressure level ³			dB(A) 45/44/43/43/42/41/40 47/46/45/45/44/43/42			
Sound power level			dB(A) 58/57/56/56/55/54/53 60/59/58/58/57/56/55			
Indoor unit	Net dimensions* (WxHxD)	mm	1280x660x203		1670x680x244	
	Packed dimensions (WxHxD)	mm	1379x744x296		1915x760x330	
	Net/Gross weight	kg	35/41		48/58	
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/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.
- Floor standing: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.
Ceiling mounted: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications - AC Series

Model			MDV-D36DL/N1-C(B)	MDV-D45DL/N1-C(B)	MDV-D56DL/N1-C(B)	MDV-D71DL/N1-C(B)
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	3.6	4.5	5.6	7.1
		W	49	120	122	125
Heating ²	Capacity	kW	4	5	6.3	8
		W	49	120	122	125
Indoor fan motor	Type	AC				
	Quantity	1				
Refrigerant type			R410A			
Airflow rate (H/M/L)			m ³ /h 650/570/500		800/600/500	
Sound pressure level (H/M/L) ³			dB(A) 40/38/36		43/41/38	
Indoor unit	Dimension* (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			
	Drain pipe	mm	OD Φ25			

Model			MDV-D80DL/N1-C(B)	MDV-D90DL/N1-C(B)	MDV-D112DL/N1-C(B)	MDV-D140DL/N1-C(B)
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	8	9	11.2	14
		W	130	130	182	182
Heating ²	Capacity	kW	9	10	12.5	15
		W	130	130	182	182
Indoor fan motor	Type	AC				
	Quantity	1		2		
Refrigerant type			R410A			
Airflow rate (H/M/L)			m ³ /h 1200/900/700		1980/1860/1730	
Sound pressure level (H/M/L) ³			dB(A) 45/43/40		47/45/42	
Indoor unit	Dimension* (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	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 level is measured 1m horizontally and 1m vertically from the air-outlet.
Ceiling mounted: Sound level is measured 1m horizontally and 1m vertically from the air-outlet.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Floor Standing



Floor standing unit with multi casing options can be installed quickly and easily in new or existing facilities in a variety of applications.

Key Features

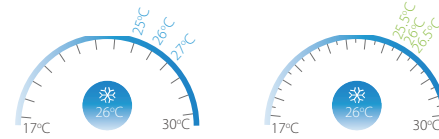
Floor Standing	DC Series	
Comfort	Quiet operation	●
	0.5°C/1°C setting temperature adjustment	●
	Digital display on/off	●
	Buzzer sound on/off	●
Health	Air filter	●
	Dirty filters indicator signal	●
Air flow	Multiple fan speeds	7+auto
Easy installation	Pure white stylish panel with slim design	●
	Exposed installation, easy installation and maintenance	●
	Multiple Appearance 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.



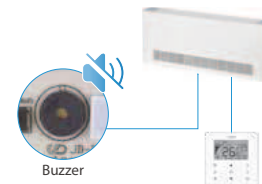
Digital Display On/Off

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



Buzzer Sound On/Off

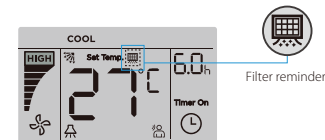
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Dirty Filters Indicator Signal

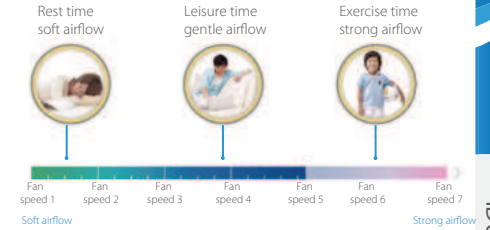
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

Multiple Fan Speeds

7 indoor fan speeds provide control flexibility to meet the needs of different indoor conditions.



EASY INSTALLATION

Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirements. The F3B (concealed) unit is designed to be concealed in walls while the F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options.



F3B (concealed)



F4 (front air intake)



F5 (underside air intake)

Specifications - DC Series

Exposed

Model			M12-22F4DN1 M12-22F5DN1	M12-28F4DN1 M12-28F5DN1
Power supply			1 phase, 220-240V, 50Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
Airflow rate			530/504/478/456/439/418/400	569/540/515/485/462/443/421
Sound pressure level ³			36/35/34/33/31/30/29	36/35/34/33/31/30/29
Sound power level			54/53/52/51/49/48/47	54/53/52/51/49/48/47
Indoor unit	Net dimensions* (WxHxD)	mm	840x545x220	
	Packed dimensions (WxHxD)	mm	939x639x305	
	Net/Gross weight	kg	21.4/25.6	
	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	
Pipe connections	Drain pipe	mm	Ø16	

Model			M12-36F4DN1 M12-36F5DN1	M12-45F4DN1 M12-45F5DN1
Power supply			1 phase, 220-240V, 50Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
Airflow rate			624/591/557/522/473/420/375	660/625/583/542/501/475/440
Sound pressure level ³			37/36/35/34/32/31/30	37/36/35/34/32/31/30
Sound power level			55/54/53/52/51/49/48	55/54/53/52/51/49/48
Indoor unit	Net dimensions* (WxHxD)	mm	1040x545x220	
	Packed dimensions (WxHxD)	mm	1139x639x305	
	Net/Gross weight	kg	26.1/30.6	
	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	
Pipe connections	Drain pipe	mm	Ø16	

Model			M12-56F4DN1 M12-56F5DN1	M12-71F4DN1 M12-71F5DN1	M12-80F4DN1 M12-80F5DN1
Power supply			1 phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
Heating ²	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
Airflow rate			1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Sound pressure level ³			41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33
Sound power level			59/57/55/53/51/50/49	62/60/58/57/55/53/51	62/60/58/57/55/53/51
Indoor unit	Net dimensions* (WxHxD)	mm	1340x545x220		
	Packed dimensions (WxHxD)	mm	1425x639x345		
	Net/Gross weight	kg	31/39		
	Liquid/Gas pipe	mm	Ø9.53/Ø15.9		
Pipe connections	Drain pipe	mm	Ø16		

- 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 1m in front and 1m above the floor in a semi-anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Specifications - DC Series

Concealed

Model			M12-22F3DN1	M12-28F3DN1
Power supply			1 phase, 220-240V, 50Hz	
Cooling ¹	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
Heating ²	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
Airflow rate			530/504/478/456/439/418/400	569/540/515/485/462/443/421
Sound pressure level ³			36/35/34/33/31/30/29	36/35/34/33/31/30/29
Sound power level			54/53/52/51/49/48/47	54/53/52/51/49/48/47
Indoor unit	Net dimensions* (WxHxD)	mm	840x545x220	
	Packed dimensions (WxHxD)	mm	939x639x305	
	Net/Gross weight	kg	21.4/25.6	
	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	
Pipe connections	Drain pipe	mm	Ø16	

Model			M12-36F3DN1	M12-45F3DN1
Power supply			1 phase, 220-240V, 50Hz	
Cooling ¹	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
Heating ²	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
Airflow rate			624/591/557/522/473/420/375	660/625/583/542/501/475/440
Sound pressure level ³			37/36/35/34/32/31/30	37/36/35/34/32/31/30
Sound power level			55/54/53/52/51/49/48	55/54/53/52/51/49/48
Indoor unit	Net dimensions* (WxHxD)	mm	1040x545x220	
	Packed dimensions (WxHxD)	mm	1139x639x305	
	Net/Gross weight	kg	26.1/30.6	
	Liquid/Gas pipe	mm	Ø6.35/Ø12.7	
Pipe connections	Drain pipe	mm	Ø16	

Model			M12-56F3DN1	M12-71F3DN1	M12-80F3DN1
Power supply			1 phase, 220-240V, 50Hz		
Cooling ¹	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
Heating ²	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
Airflow rate			1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Sound pressure level ³			41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33
Sound power level			59/57/55/53/51/50/49	62/60/58/57/55/53/51	62/60/58/57/55/53/51
Indoor unit	Net dimensions* (WxHxD)	mm	1340x545x220		
	Packed dimensions (WxHxD)	mm	1425x639x345		
	Net/Gross weight	kg	31/39		
	Liquid/Gas pipe	mm	Ø9.53/Ø15.9		
Pipe connections	Drain pipe	mm	Ø16		

- 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 1m in front and 1m above the floor in a semi-anechoic chamber.
 - Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Console



Optimal heating comfort thanks to dual airflow, can be floor standing or installed against a wall

Key Features

Console	DC Series	
Comfort	Optimal heating 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	Two air outlets and four air inlets	●
	Multiple fan speeds	7+auto
	Multiple steps vertical swing	5+auto
Easy installation	Pure white stylish panel with compact size	●
	Exposed installation, easy installation and maintenance	●

Note:
● equipped as standard

COMFORT

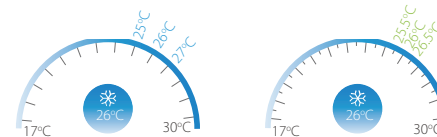
Optimal Heating Comfort

Thanks to the two air outlets, hot air can be supplied from below, just like floor heating, which is more comfortable when heated from the foot.



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.



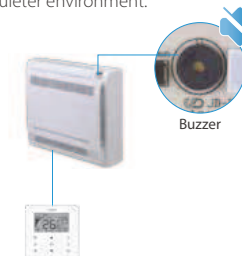
Digital Display On/Off

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



Buzzer Sound On/Off

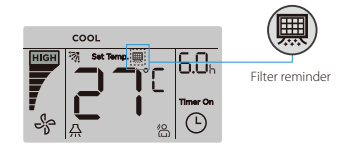
Indoor unit buzzer sound can be set off to not disturb the user, creating a quieter environment.



HEALTH

Dirty Filters Indicator Signal

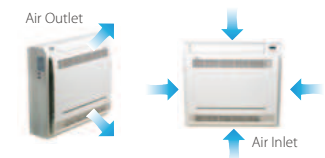
The filter indicator will be on when the running time reaches a certain time to remind user to clean the filter.



AIR FLOW

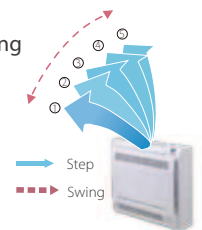
Two Air Outlets And Four Air Inlets

The Console unit's combination of four air inlets and two air outlets ensure that cooling and heating is distributed in all directions.



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

Pure White Stylish Panel With Compact Size

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

Super compact design can be install in existing building. Its low height enables the unit to fit perfectly beneath a window. Good choose for office.



Model			MI2-22ZDN1	MI2-28ZDN1	MI2-36ZDN1	MI2-45ZDN1
Power supply			1 phase, 220-240V, 50Hz			
Cooling ¹	Capacity	kW	2.2	2.8	3.6	4.5
		kBtu/h	7.5	9.6	12.3	15.4
	Power input	W	20	25	25	35
Heating ²	Capacity	kW	2.6	3.2	4.0	5.0
		kBtu/h	8.9	10.9	13.4	17.1
	Power input	W	20	25	25	35
Airflow rate		m ³ /h	430/401/374/345/302/268/229	510/482/456/430/355/286/229		660/614/561/512/478/436/400
Sound pressure level ³		dB(A)	38/36/34/32/28/27/26	39/37/35/33/31/29/27		42/41/40/39/37/36/36
Sound power level		dB(A)	54/52/50/48/44/43/42	55/53/51/49/47/45/43		58/57/56/55/53/52/52
Indoor unit	Net dimensions* (WxHxD)	mm	700x600x210			
	Packed dimensions (WxHxD)	mm	810x710x305			
	Net/Gross weight	kg	14/19	15/20		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	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.
- Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
- Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Fresh Air Processing Unit



Integrated with ventilation and air processing, combining fresh air treatment and air conditioning via single system.

Key Features

Fresh Air Processing Unit		DC Series with large airflow	DC Series with small airflow
Comfort	100% fresh air processing unit	●	●
	Discharge Air temperature control	●	●
	Quiet operation	●	●
	0.5°C/1°C setting temperature adjustment	●	●
	Digital display on/off	●	●
	Buzzer sound on/off	●	●
Health	Air filter	● ○ (G3-class)	● ○ (G3-class)
	Dirty filters indicator signal	●	●
Air flow	Adjustable ESP	20-steps	20-steps
	Multiple fan speeds	7+auto	7+auto
	Wide operation range	-10~43°C	-10~50°C
Easy installation	Flexible duct design	●	●
	High-lift water pump box	○	○

Note:

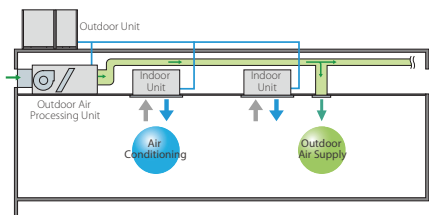
- : equipped as standard; ○: customization option;

COMFORT

100% Fresh Air Processing Unit

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

Indoor units and the Fresh Air Processing Unit can be connected to the same refrigerant system, increasing design flexibility and greatly reducing total system costs.



Discharge Air Temperature Control

Different from the normal indoor unit adopts return air temperature control, the fresh air processing unit adopts discharge air temperature control, thereby reducing the air conditioning load.

Target return air temperature control



Target discharge air temperature control

Digital Display On/Off

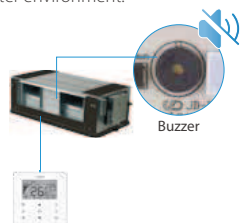
Indoor unit displays can be shut off at night, creating a better environment for rest.



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

Optional G3-class Air Filter

G3-class filter is optional for Fresh Air Processing Unit 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.

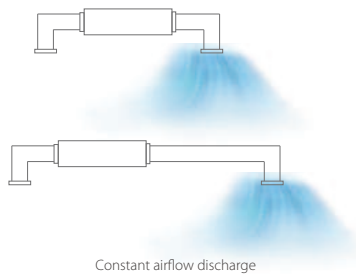


The optional filter comply with EN779:2012

AIR FLOW

Static Pressure 20 Steps Control

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



Constant airflow discharge

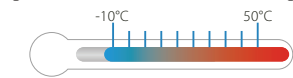


20 steps static pressure control

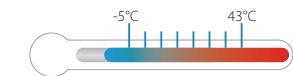
EASY INSTALLATION

Wide Operation Range

The Fresh Air Processing Unit can be installed practically anywhere. The unit operates at outdoor ambient up to 50°C in cooling mode and down to -10°C in heating mode.



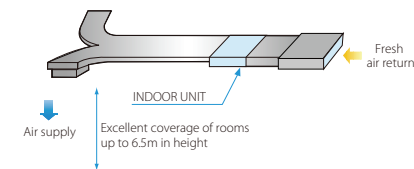
Small airflow unit special for tropical conditions



Large airflow unit special for standard conditions

Flexible Duct Design

Fresh Air Processing Unit supplies a wide static pressure from 30Pa to 400Pa which can support short to long duct with high ceiling air supply.



Specifications - DC Series (with large airflow)

Model			MI2-125FADN1	MI2-140FADN1
Power supply			1 phase, 220-240V, 50Hz	
Cooling ¹	Capacity	kW	12.5	14.0
		kBtu/h	42.6	47.8
	Power input	W	480	480
Heating ²	Capacity	kW	10.5	12.0
		kBtu/h	36.0	41.0
	Power input	W	480	480
Airflow rate	m ³ /h	2000/1917/1833/1750/1667/1583/1500		
External static pressure	Pa	150(100-250)		
Sound pressure level ³	dB(A)	48/47/46/45/44/43/42		
Sound power level	dB(A)	66/65/64/63/62/61/60		
Indoor unit	Net dimensions ⁴ (WxHxD)	mm	1322x423x691	
	Packed dimensions (WxHxD)	mm	1436x450x768	
	Net/Gross weight	kg	68/76	
Pipe connections	Liquid/Gas pipe	mm	Ø9.53/Ø15.9	
	Drain pipe	mm	OD Ø25	

Notes:

1. Outdoor temperature 33°C DB, 28°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Outdoor temperature 0°C DB, -2.9°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.

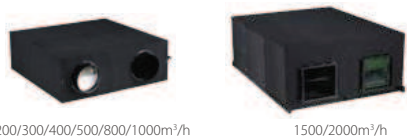
All specifications are measured at standard external static pressure.

The Fresh Air Processing Unit can be used either independently or in conjunction with other types of indoor unit. If used independently, the total capacity of the Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units. If used in conjunction with other types of indoor unit, the total capacity of the indoor units and Fresh Air Processing Units must be between 50% and 100% of that of the outdoor units and the total capacity of the Fresh Air Processing Units must not exceed 30% of that of the outdoor units.

Heat Recovery Ventilator (HRV)

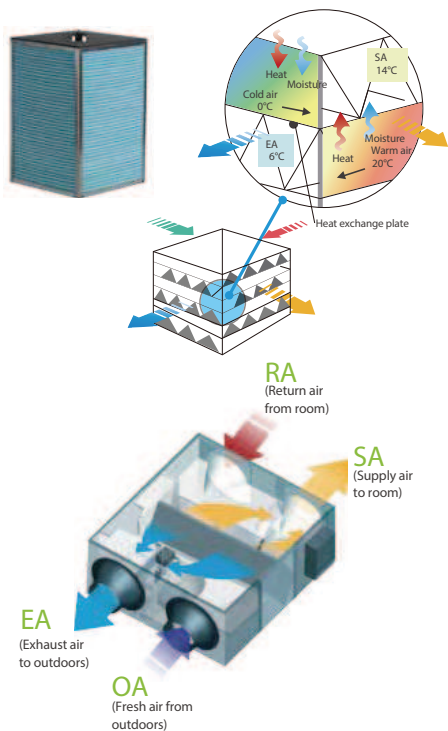
Wide Capacity Range

The HRV has AC Series and DC Series options. The airflow is from 200m³/h to 2000m³/h which can meet the requirements of most scenarios.



Energy Saving, Heat Recovery for Both Heat and Humidity

The heat recovery ventilator (HRV) can greatly reduce energy loss and room temperature fluctuations caused by the ventilation process. The Midea HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially treated paper which gives enhanced temperature and humidity control. It prevents energy being wasted by recovering waste heat from the outgoing air, thus offering much greater levels of efficiency, while improving comfort levels too.

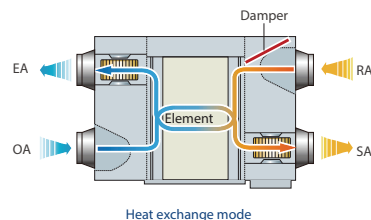


Multiple Operation Modes

Multiple operation modes: Auto, Bypass, Heat recovery, Free cooling mode (available for DC Series Only), Air supply mode and Exhaust mode (available for AC Series Only).

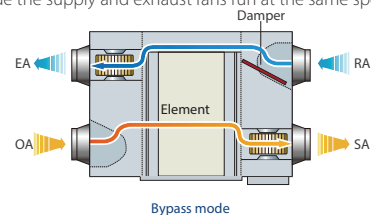
Heat exchange mode

The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.



Bypass mode

In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.



Air supply mode

Air supply mode is where the supply fan is set to run faster than the exhaust fan, which is useful in mild climate installations with high fresh air ventilation requirements.

Exhaust mode

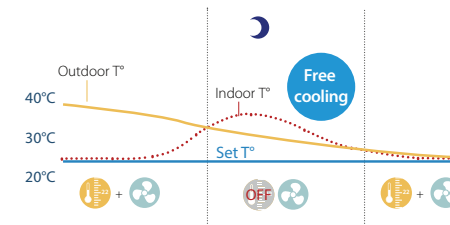
Exhaust mode is where the exhaust fan is set to run faster than the supply fan, which is useful in mild climate installations with large amounts of exhaust air to be expelled.

Auto mode

The controller chooses heat exchange mode or bypass mode according to the temperature difference between outdoors and indoors. Both fans are set to run at low speed.

Free Cooling Mode

Free cooling mode is only available for DC Series HRV. Free cooling operation is an energy saving function operating when outdoor ambient temperature is below indoor ambient temperature, it uses low temperature fresh air to cool down indoor temperature, reducing the running costs.



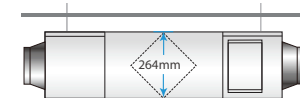
High Efficiency Filter

Standard Built-in G4-class dust filter, optional F7-class filter for air supply side and M5-class filter for exhaust air side in line with EU legislations can be customized.



Easy Installation

Slim and compact design of units, making the installation more convenient.



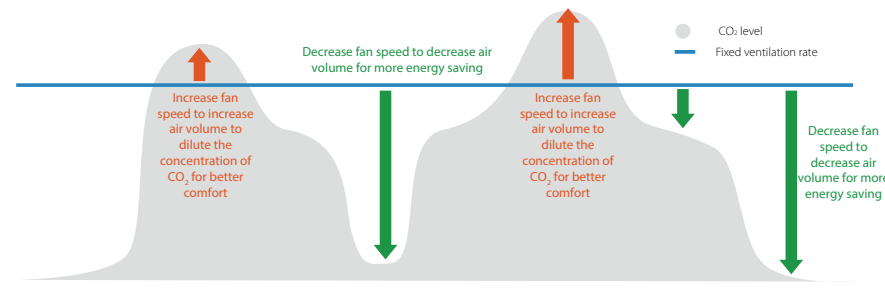
Wide Range of Controllers

The HRV has its special wired controller KJR-27B for standard functions control and compatible with group controller WDC-120G/WK for new functions (CO₂ sensor function, differential pressure sensor function) control. It also can be centralized control with VRF system through centralized controller and network control with VRF system through Midea BMS gateways.



CO₂ Sensor Option

Enough fresh air is needed to create an enjoyable environment, but ventilating constantly is leading to energy waste. Therefore, an optional CO₂ sensor can be installed which switches off the ventilation system when there is enough fresh air in the room, thus saving energy.



Model		HRV-D200(B)	HRV-D300(B)	HRV-D400(B)	HRV-D500(B)
Power supply		1-phase, 220-240V~50Hz			
Input power (H/M/L)(F7+M5)	W	80/40/25	100/55/35	110/70/40	150/95/50
Nominal Temperature Efficiency (standard G4) (H/M/L)	%	79.5/81.1/83.5	75.5/78.8/82.5	77.7/79.0/81.3	80.6/82.2/85.5
Nominal Enthalpy Efficiency (standard G4) (H/M/L)	%	75.0/77.5/79.6	72.1/75.0/79.3	73.5/75.3/78.0	74.0/76.6/80.5
Nominal Temperature Efficiency (F7+M5) (H/M/L)	%	81.8/85.4/87.5	80.4/81.8/83.5	79.2/81.1/83.3	77.2/79.4/82.5
Nominal Enthalpy Efficiency (F7+M5) (H/M/L)	%	81.2/83.1/85.0	79.4/81.2/84.0	79.6/81.8/84.2	72.3/75.6/78.6
Fresh air external static pressure (H speed +F7+M5)	Pa	75	70	70	65
Discharge air external static pressure (H speed +F7+M5)	Pa	100	110	110	110
Nominal air flow	m ³ /h	200	300	400	500
Sound pressure level (H/M/L)	dB(A)	33/29.5/25.5	36.5/33.5/30	36.5/32/28	36/30.5/24.5
Sound power level (H)	dB	45	48	48	50
Net dimensions (WxDxH)	mm	1195x801x272	1195x914x272	1276x1204x272	1311x1106x390
Packed dimensions (WxDxH)	mm	1275x880x420	1275x994x420	1360x1284x420	1390x1244x540
Net/Gross weight	kg	53.6/63.5	59/75.5	71.5/91.5	74.4/98
Duct diameter	mm	Φ144	Φ144	Φ198	Φ244
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Note:

- For the units model of HRV-D300(B)~HRV-D1000(B), there are 3-speed adjustable air-volume (Hi, Med, Low).
- The parameters in the above table are measured at high speed.

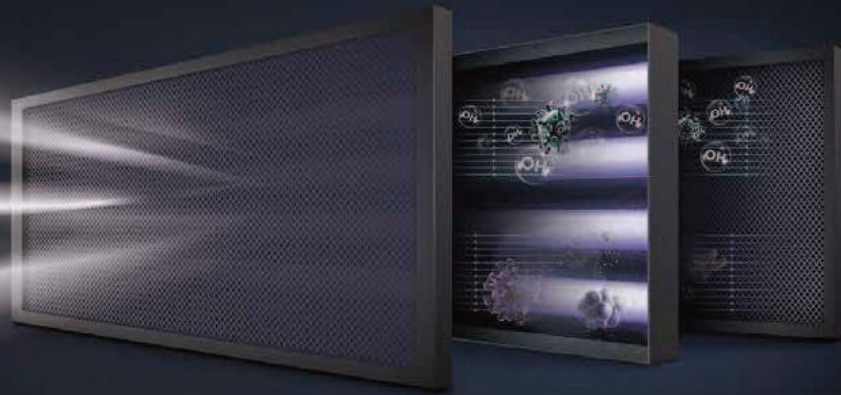
Model		HRV-D800(B)	HRV-D1000(B)	HRV-D1500(B)	HRV-D2000(B)
Power supply		1-phase, 220-240V~50Hz			
Input power (H/M/L)(F7+M5)	W	320/170/80	420/230/100	680/320/200	950/500/230
Nominal Temperature Efficiency (standard G4) (H/M/L)	%	78.7/82.1/86.8	82.8/84.0/87.4	75.5/78.6/80.2	77.2/79.5/83.4
Nominal Enthalpy Efficiency (standard G4) (H/M/L)	%	72.3/75.4/79.0	76.0/76.0/80.1	69.4/71.2/74.8	74.7/77.0/80.6
Nominal Temperature Efficiency (F7+M5) (H/M/L)	%	74.9/77.1/80.8	75.4/78.0/81.4	83.8/84.6/86.2	78.8/80.5/83.4
Nominal Enthalpy Efficiency (F7+M5) (H/M/L)	%	71.1/74.4/78.0	67.3/71.1/75.0	74.6/76.2/78.8	71.1/75.0/79.6
Fresh air external static pressure (H speed +F7+M5)	Pa	100	110	150	160
Discharge air external static pressure (H speed +F7+M5)	Pa	155	145	180	180
Nominal air flow	m ³ /h	800	1000	1500	2000
Sound pressure level (H/M/L)	dB(A)	42/39/34	44/39/33.5	51.5/46.5/41.5	53/48.5/42.5
Sound power level (H)	dB	55	54	69	70
Net dimensions (WxDxH)	mm	1311x1286x390	1311x1526x390	1740x1375x615	1811x1575x685
Packed dimensions (WxDxH)	mm	1390x1424x540	1390x1670x540	1830x1520x770	1900x1720x845
Net/Gross weight	kg	80/104	90/112	181.5/213	208.5/245
Duct diameter	mm	Φ244	Φ244	346x326	346x326
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Note:

- For the units model of HRV-D300(B)~HRV-D1000(B), there are 3-speed adjustable air-volume (Hi, Med, Low).
- The parameters in the above table are measured at high speed.

PURO - AIR KIT

SAFE INDOOR AIR, FROM THE INVISIBLE CARE
PURIFICATION SPEED INDUSTRY LEADER



UVGI



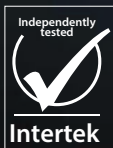
CLEAN WAVE



UV RADIATION FREE



OZONE FREE



First Global Tick-mark Certification Of Purification Ac Products

Premium Osram Hns Uv Lamp Made In Europe

99.9% Killing Rate Of Staphylococcus Albus Within 10 Minutes

99.9% Killing Rate Of H1n1 Within 30 Minutes

98.2% Killing Rate Of Natural Airborne Bacteria Within 30 Minutes



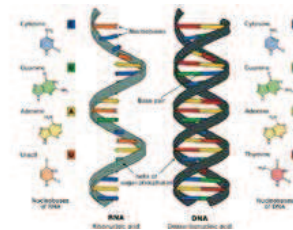
Indoor air pollution is affecting our...

We spend 80% of our time indoors. On average, a person consumes about 8000 liters of air in a day. According to the EPA, indoor air pollution could be five times greater than outdoor air. Over 99% of particles in the air are smaller than 1 micron, and they cannot sink because of their lightweight. When a person sneezes, around 100,000 contagious germs may be sent into the air. Puro-Air kit can effectively remove bacteria, viruses and odors from indoor air to provide a healthy and safe indoor environment. Its innovative design also prevents UV damage to the eyes, skin, and respiratory tract.



UVGI is increasingly widely used in the sterilization of HVAC equipment. W.J.Kowalski and others have obtained the effect of UV sterilization on the concentration of indoor pollutants through experiments. It can be seen that the virus, bacteria and spores exposed to UV irradiation with an intensity of 25 mW / cm² is significantly reduced. The results show that the microorganisms carried in the air can be killed by applying a certain intensity and time of UV irradiation (200-270nm) under appropriate conditions[1].

[1].HVAC Design Manual for Hospitals and Clinics, ASHRAE



Andrea Bianco, Mara Biasin and others have confirmed through experiments that UV-C irradiation has the potential virucidal effects on SARS-CoV-2. The potential virucidal effects of UV-C irradiation on SARS-CoV-2 were evaluated for different illumination doses and virus concentrations. These results could explain the epidemiological trends of COVID-19 and are important for the development of novel sterilizing methods to contain SARS-CoV-2 infection[2].

[2]Refer to UV-C irradiation is highly effective in inactivating and inhibiting SARS-CoV-2 replication, Andrea Bianco, Mara Biasin

Features:

1. 2 models, power range from 60W to 120W
2. 2 UV lamps and 4 UV lamps are optional
3. Application air flow rate of 2 UV lamps model can be up to 2600 m3/h
4. Application air flow rate of 4 UV lamps model can be up to 4300 m3/h.
5. UVGI high efficient
6. Innovative structural design
7. Higher safty,Ozone-free and UV leakage-free
8. Flexibility Control
9. Higher reliability
10. Higher killing rate for viruses and bacteria,99.9% killing rate of Staphylococcus albus in 10 minutes,99.9% killing rate of H1N1and 98% killing rate of natural bacteria in 30 minutes
11. Be widely used in many scenes



Precise 253.7nm UV wave length	Premium Ozone Free	Powerful 360° Coverage Area	Durable 9000hr 80% output	Reliable Solid Amalgam
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Model	Description	Key component	Box size	Air flow(m³/h)
HFB1-P-U02	UV Health function box	2x(UV lamp,230V,30W)	BOX1	2600
HFB1-P-U04	UV Health function box	4x(UV lamp,230V,30W)	BOX1	4300

	BOX Dimension WxHxD(mm)	Air-flow(m³/h)	Air velocity(m/s)	Pressure loss(Pa)
HFB1 Puro-Air	1120x418x420	4000	2.44	65
		3500	2.13	50
		3000	1.86	40
		2500	1.52	30
		2000	1.19	20
		1500	0.94	12



Geometric Data

Face to Face	A max 894.3 mm
Face to end of opposite pin	B min 899.3 mm
Face to end of opposite pin	B max 901.7 mm
Overall length	C max 908.8 mm
Radiation length	a 824 ± 2 mm
Tube diameter	D max 25.5 ± 2 mm
Base	G13

Electrical Data

Lamp Power	30 W
Lamp Voltage	96 V
Input Voltage	230 V

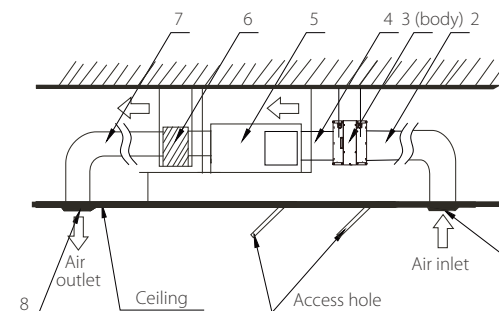
Note: The OSRAM HNS G13 lamp can be purchased from the market for replacement.

Spectral Data

Radiation flux (254nm)	12.0 W
Initial UV-C irradiance	> 0.31 W/m2 @ 2 meter
Lifetime	9000 hrs
UV-C irradiance @ 9000hrs	> 0.24 W/m2 @ 2 meter

Air Duct Installation

1. The air inlet flange and air outlet flange are connected to air ducts, respectively.
2. Seal the connection parts of the flange and air duct with aluminum foil tape.
3. Use screws (prepared on site) to connect the air duct to the unit.



Legend	
1	Air inlet mesh(prepared on site)
2	Air outlet mesh(prepared on site)
3	PURO-AIR KIT
4	Air duct(prepared on site)
5	Master unit of the air conditioner
6	Air plenum(prepared on site)
7	Air outlet duct(prepared on site)
8	Air outlet(prepared on site)

Dimensions (mm)

