1902-20V1905

Midea
By order of Climacool

ALL DC INVERTER V6 SERIES VRF

Commercial Air Conditioners **2019**

Commercial Air Conditioner Division

Midea Group

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Quality Assurance ISO 9001

Environmental Management ISO 14001

Occupational Health and Safety Assessment OHSAS 18001

Midea CAC

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

We have three production bases: Shunde, Chongqing and Hefei.

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

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

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

MIDEA GROUP
FORTUNE GLOBAL
FORTUNE
500

2017-2018 » Launched the All DC Inverter V6 VRF globally, leading in VRF market

2016 » Acquired 80% stake in Clivet

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

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

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

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

2009 » Launched the DC Inverter V4 globally

2008 » Developed DC inverter technology with Toshiba

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

1999 » Entered the CAC field

INDEX

OUTDOOR UNIT LINEUP

HP	8	10	12	14	16	18	20	22	24	26	28	30	32
Appearance	 (with single fan)			 (with single fan)		 (with dual fans)			 (with dual fans)				
8	●												
10		●											
12			●										
14				●									
16					●								
18						●							
20							●						
22								●					
24									●				
26										●			
28											●		
30												●	
32													●
34			●					●					
36				●				●					
38					●			●					
40			●								●		
42							●	●					
44								●●					
46								●	●				
48								●		●			
50								●			●		
52										●●			

HP	8	10	12	14	16	18	20	22	24	26	28	30	32
Appearance	 (with single fan)			 (with single fan)		 (with dual fans)			 (with dual fans)				
54										●	●		
56											●●		
58											●	●	
60											●		●
62												●	●
64													●●
66			●					●					●
68				●				●					●
70					●			●					●
72			●								●		●
74							●	●					●
76								●●					●
78								●	●				●
80								●		●			●
82								●			●		●
84										●●			●
86										●	●		●
88											●●		●
90											●	●	●
92											●		●●
94												●	●●
96													●●●

INDOOR UNIT LINEUP

kW		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	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			●	●	●	●	●	●													
Compact Four-way Cassette			●	●	●	●															
Four-way Cassette				●	●	●	●	●	●	●	●	●		●							
Medium Static Pressure Duct			●	●	●	●	●	●	●	●		●		●							
High Static Pressure Duct								●	●	●		●		●	●	●	●	●	●	●	●
Fresh Air Processing Unit													●	●		●	●	●		●	●
Wall Mounted Unit			●	●	●	●	●	●	●	●											
Ceiling / Floor Unit					●	●	●	●	●	●		●		●							
Floor Standing Unit			●	●	●	●	●	●	●												
Console			●	●	●	●															

ALL DC INVERTER

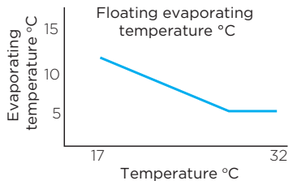
V6 Series

OUTDOOR UNITS

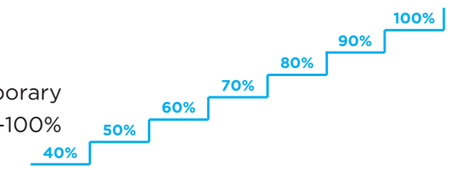
3 Unique Innovations

Energy Management System (EMS)

- **Floating refrigerant temperature to balance comfort and efficiency**
  The evaporating temperature (in cooling) and condensing temperature (in heating) are automatically adjusted according to both indoor and outdoor temperature to maximize the comfort and energy efficiency.



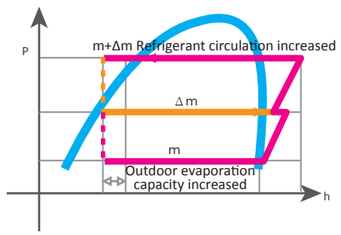
- **Output limitation during electricity supply restrictions**
  With the integration of EMS, for projects with temporary electricity supply restrictions, V6 can be set to output 40-100% capacity.



Enhanced Vapor Injection (EVI) Compressor

Thanks to the vapor injection DC inverter compressor, the V6 VRF can run heating mode stably down to -25°C, and the heating capacity can be improved greatly.


EVI compressor



Triple Configurations

Triple (local/remote/network) configurations greatly simplified installation, commissioning and servicing.

- Field local configuration achieves quick and easy on-site settings, simplifies installation and commissioning.

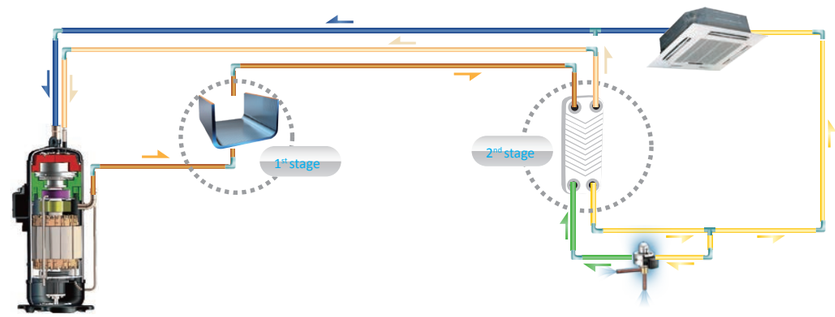
- System checking and settings also can be easily achieved via wired and centralized controller, making the configuration more flexible and convenient.

- A desktop or laptop PC can be used for browser-based access to achieve system configurations through IMM Pro gateway via a LAN connection.

High Efficiency

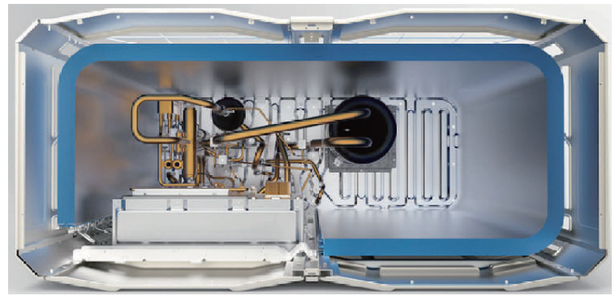
Plate Heat Exchanger (PHE) Subcooling

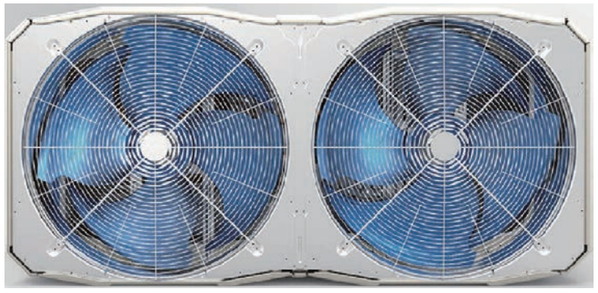
Plate Heat Exchanger as a secondary intercooler boosts up refrigerant subcooling and improves 10% energy efficiency.



High Efficiency G-Type Heat Exchanger

24-32HP units use a high efficiency 3-row G-type heat exchanger with a heat exchange area 1.5 times that of the 22HP unit. The 24-32HP units also use super big size fan which diameter is up to 750mm.


3-rows G-type heat exchanger


Super big size fan

Wide Application Range

Wide Capacity Range

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

8/10/12HP
(with single fan)

14/16HP
(with single fan)

18/20/22HP
(with dual fans)

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

16-64HP

24-96HP

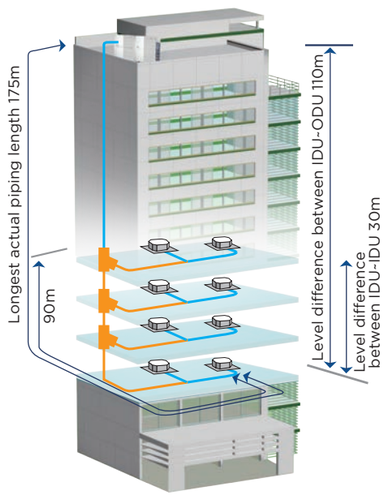
Wide Operation Range

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

Long Piping Capability

- Total piping length: 1000m
- Longest piping length – actual (equivalent): 175m (200m)
- Longest piping length after first branch: 40/90*m
- Level difference between IDUs and ODU – ODU above (below): 90m (110m)
- Level difference between IDUs: 30m

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



High Reliability

Duty Cycling

Duty cycling equalizes the running time of the outdoor units in a multiple-unit system and of the compressors in each unit, significantly extending compressor lifespan.

1st cycle

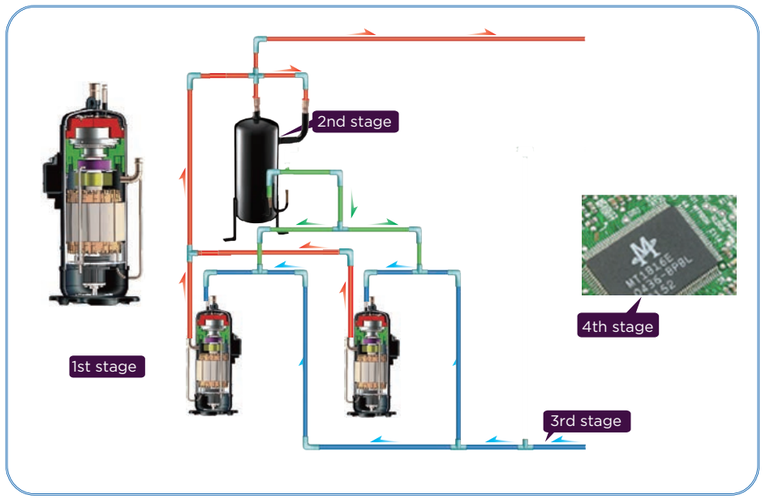
2nd cycle

3rd cycle

Precise Oil Control Technology

Four stages of oil control technology ensure all outdoor compressor oil is always kept at a safe level, eliminating any compressor oil shortage problems.

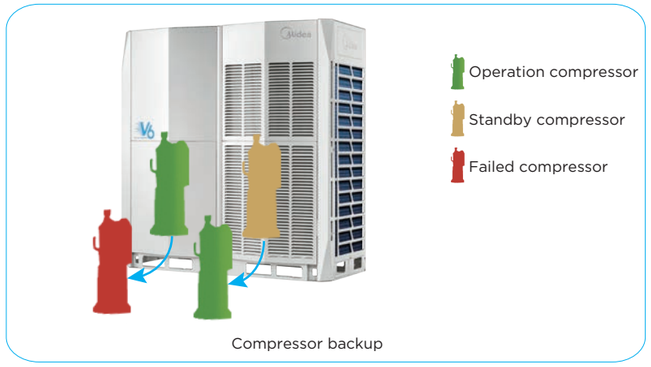
- Compressor internal oil separation.
- High-efficiency centrifugal oil separator (with separation efficiency of up to 99%) ensures that oil is separated from the discharge gas and returned to the compressors in a timely fashion.
- Oil balance pipes between compressors ensure even oil distribution to keep compressors running normally.
- Auto oil return program monitors the running time and system status to ensure reliable oil return.



High Reliability

Backup Operation

In units with two compressors, if one compressor fails, the other compressor can run on its own for up to 4 days, allowing time for maintenance or repair whilst maintaining comfort.



Compressor backup

Anti-corrosion Protection

Outdoor units are given anti-corrosion treatment for non-extreme conditions as standard and can also be customized with heavy anti-corrosion treatment on main components for surface protection against corrosive air, acid rain and saline air (for installations in coastal regions) to extend overall useful life. The integrity of the anti-corrosion treatment is ensured by subjecting major components and parts to salt mist testing, moisture and heating testing and light aging testing.

Fan motor

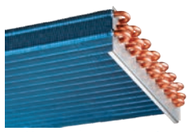
Standard products:
72h of neutral salt mist

Heavy anti-corrosion products:
240h of neutral salt mist

Painted sheet metal

Standard products:
500h of neutral salt mist
1000h of moisture and heating test
500h of light aging test

Heavy anti-corrosion products:
1000h of neutral salt mist
2000h of moisture and heating test
720h of light aging test



Heat exchanger aluminum foil

Standard products:
72h of neutral salt mist

Heavy anti-corrosion products:
1000h of neutral salt mist
140h of acid salt mis

Heat exchanger copper pipe

Standard products:
24h of neutral salt mist

Heavy anti-corrosion products:
120h of neutral salt mist

Screws / bolts / gaskets

Standard products:
300h of neutral salt mist

Heavy anti-corrosion products:
720h of neutral salt mist

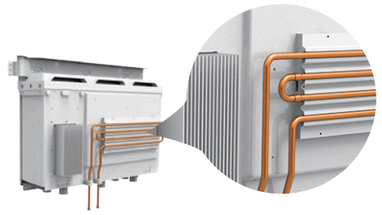
Electric control box case

Standard products:
96h of neutral salt mist

Heavy anti-corrosion products:
240h of neutral salt mist

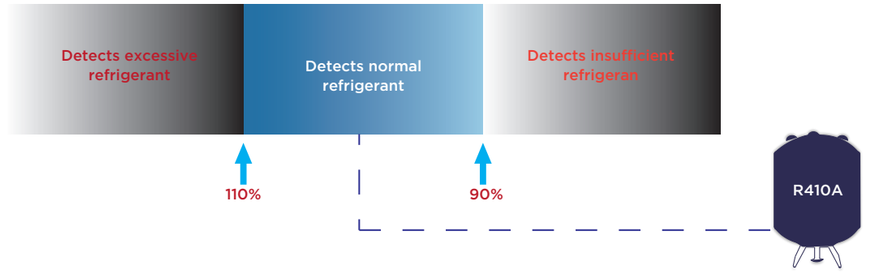
Refrigerant Cooling PCB

The V6 VRF uses refrigerant cooling technology to cool the electric control box. It decreases the average temperature of electrical control components by about 8 degrees, guaranteeing the stable and safe running of the control system.



Real-time Refrigerant Amount Monitoring

The temperature and pressure of refrigerant can be real-time monitored by the outdoor unit. When the level of refrigerant is too low or too high, this can cause damage to the unit and poor performance. V6 outdoor unit can detect excessive or insufficient amounts of refrigerant, to ensure consistent performance.



Auto Snow-blowing Function*

The innovatively designed auto snow-blowing function enables the outdoor unit to prevent the accumulation of snow by itself.

*This function is available as a customization option.

Dust-clean function*

The innovatively designed dust-clean function enables the outdoor unit to prevent the dust by itself.

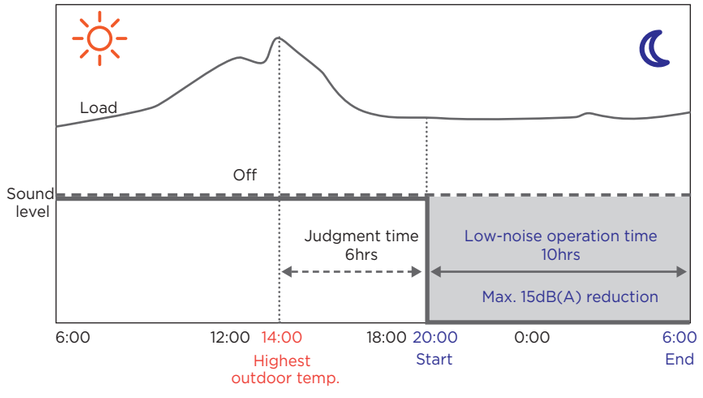
*This function is available as a customization option.


Self-clean

Enhanced Comfort

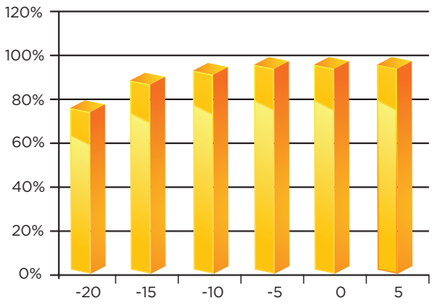
Night Silent Mode

The night silent mode feature, which is easily configured on the outdoor unit's PCB, includes various scheduling options that can be used to reduce noise levels at times when low noise operation is required.



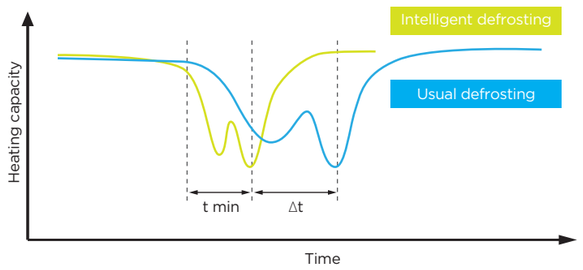
Enhanced Heating Capacity

Heating capacity is 100% of rated capacity at ambient temperatures as low as -5°C and 90% of rated capacity at -15°C.



Intelligent Defrosting Technology

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

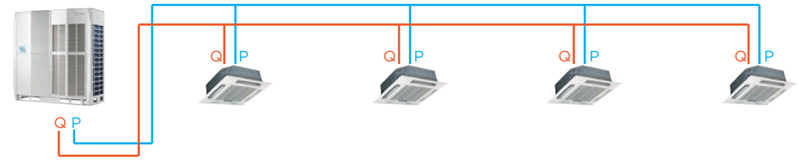


Easy Installation and Service

Non-polarized Communication Wiring*

Only one chain of 2-core non-polarized shielded communication wiring required for indoor and outdoor unit communication.

*In installations where relatively strong electromagnetic fields are present, 3-core shielded wiring should be used in order to prevent interference.



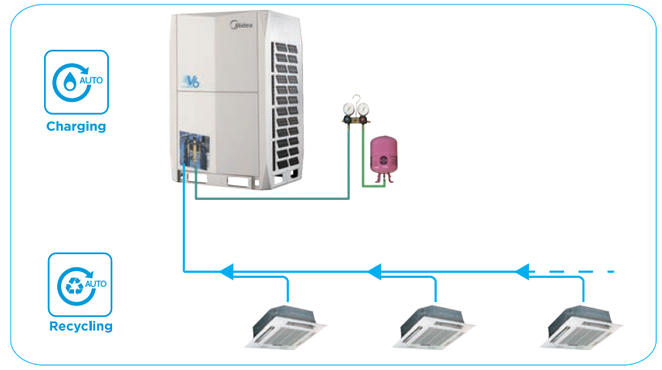
Auto Addressing

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

Automatic Refrigerant Charging/Recycling Function*

Automatic refrigerant charging and recycling make installation and service easier and more efficient.

*This function is available as a customization option.



Optional Multifunctional PCB

An optional multifunctional small PCB can be installed on the unit's side columns, enabling installation and service engineers to activate Auto-commissioning or check the operating status without removing the front panel. It can also perform automatic data backup of the last 30 minutes' operating record.

Specifications

Capacity		HP	8	10	12	14
Model			MV6-252WV2GN1	MV6-280WV2GN1	MV6-335WV2GN1	MV6-400WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	5.3	6.3	8.7	9.9
	EER	kW/kW	4.75	4.45	3.85	4.05
Heating[2]	Capacity	kW	25.2	28.0	33.5	40.0
		kBtu/h	86.0	95.5	114.3	136.5
	Power input	kW	4.6	5.2	6.6	8.5
	COP	kW/kW	5.50	5.40	5.10	4.70
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		13	16	20	23
Compressors	Type		DC inverter			
	Quantity		1			
Fan motors	Type		DC			
	Quantity		1			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	11			13
Pipe connections[3]	Liquid pipe	mm	Φ12.7		Φ15.9	Φ15.9
	Gas pipe	mm	Φ25.4		Φ28.6	Φ31.8
Airflow rate		m^3/h	11000			13000
Sound pressure level[4]		dB(A)	58		60	
Net dimensions (WxHxD)		mm	990×1635×790			1340×1635×850
Packed dimensions (WxHxD)		mm	1090×1805×860			1405×1805×910
Net weight		kg	227			277
Gross weight		kg	242			304
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Capacity		HP	16	18	20	22
Model			MV6-450WV2GN1	MV6-500WV2GN1	MV6-560WV2GN1	MV6-615WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	12.0	12.5	15.1	18.4
	EER	kW/kW	3.75	4.00	3.70	3.35
Heating[2]	Capacity	kW	45.0	50.0	56.0	61.5
		kBtu/h	153.5	170.6	191.1	209.8
	Power input	kW	9.8	10.6	12.7	15.0
	COP	kW/kW	4.60	4.70	4.40	4.10
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		26	29	33	36
Compressors	Type		DC inverter			
	Quantity		1	2		
Fan motors	Type		DC			
	Quantity		1	2		
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	13	17		
Pipe connections[3]	Liquid pipe	mm	Φ15.9	Φ19.1		
	Gas pipe	mm	Φ31.8	Φ31.8		
Airflow rate		m^3/h	13000	17000		
Sound pressure level[4]		dB(A)	61	62	63	
Net dimensions (WxHxD)		mm	1340×1635×850	1340×1635×825		
Packed dimensions (WxHxD)		mm	1405×1805×910			
Net weight		kg	277	348		
Gross weight		kg	304	368		
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specifications

Capacity		HP	24	26	28
Model			MV6-670WV2GN1	MV6-730WV2GN1	MV6-785WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)		
Cooling[1]	Capacity	kW	67.0	73.0	78.5
		kBtu/h	228.6	249.1	267.8
	Power input	kW	18.1	20.9	24.2
	EER	kW/kW	3.70	3.49	3.25
Heating[2]	Capacity	kW	67.0	73.0	78.5
		kBtu/h	228.6	249.1	267.8
	Power input	kW	14.9	17.6	20.7
	COP	kW/kW	4.50	4.15	3.80
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity		
	Max. quantity		39	43	46
Compressors	Type		DC inverter		
	Quantity		2		
Fan motors	Type		DC		
	Quantity		2		
	Max. ESP	Pa	20 default; 60 customization option		
Refrigerant	Type		R410A		
	Factory charge	kg	22		
Pipe connections[3]	Liquid pipe	mm	Φ19.1	Φ22.2	
	Gas pipe	mm	Φ31.8	Φ31.8	
Airflow rate		m^3/h	25000		
Sound pressure level[4]		dB(A)	64		
Net dimensions (WxHxD)		mm	1730 × 1830 × 850		
Packed dimensions (WxHxD)		mm	1800×2000×910		
Net weight		kg	430		
Gross weight		kg	453		
Ambient temp. operating range	Cooling	°C	-5 to 54		
	Heating	°C	-25 to 24		

Capacity		HP	30	32
Model			MV6-850WV2GN1	MV6-900WV2GN1
Power supply		V/Ph/Hz	380-415/3/50(60)	
Cooling[1]	Capacity	kW	85.0	90.0
		kBtu/h	290.0	307.1
	Power input	kW	27.4	31.0
	EER	kW/kW	3.10	2.90
Heating[2]	Capacity	kW	85.0	90.0
		kBtu/h	290.0	307.1
	Power input	kW	23.0	25.7
	COP	kW/kW	3.70	3.50
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity	
	Max. quantity		50	53
Compressors	Type		DC inverter	
	Quantity		2	
Fan motors	Type		DC	
	Quantity		2	
	Max. ESP	Pa	20 default; 60 customization option	
Refrigerant	Type		R410A	
	Factory charge	kg	25	
Pipe connections[3]	Liquid pipe	mm	Φ22.2	
	Gas pipe	mm	Φ38.1	
Airflow rate		m^3/h	24000	
Sound pressure level[4]		dB(A)	64	
Net dimensions (WxHxD)		mm	1730 × 1830 × 850	
Packed dimensions (WxHxD)		mm	1800×2000×910	
Net weight		kg	475	
Gross weight		kg	507	
Ambient temp. operating range	Cooling	°C	-5 to 54	
	Heating	°C	-25 to 24	

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those of the unit's stop valves.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specifications

Capacity		HP	34	36	38	40
Model			MV6-950WV2GN1	MV6-1015WV2GN1	MV6-1065WV2GN1	MV6-1120WV2GN1
Combination type			12HP+22HP	14HP+22HP	16HP+22HP	12HP+28HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	95.0	101.5	106.5	112.0
		kBtu/h	324.1	346.3	363.4	382.1
	Power input	kW	27.1	28.2	30.4	32.9
	EER	kW/kW	3.51	3.59	3.51	3.41
Heating[2]	Capacity	kW	95.0	101.5	106.5	112.0
		kBtu/h	324.1	346.3	363.4	382.1
	Power input	kW	21.6	23.5	24.8	27.2
	COP	kW/kW	4.40	4.32	4.30	4.11
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		56	59	63	64
Compressors	Type		DC inverter			
	Quantity		3			
Fan motors	Type		DC			
	Quantity		3			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	11+17	13+17		11+22
Pipe connections[3]	Liquid pipe	mm	Φ19.1	Φ19.1		
	Gas pipe	mm	Φ31.8	Φ38.1		
Airflow rate		m^3/h	28000	30000		36000
Sound pressure level[4]		dB(A)	65			
Net dimensions (WxHxD)		mm	(990×1635×790)+(1340×1635×825)	(1340×1635×850)+(1340×1635×825)		(990×1635×790)+(1730×1830×850)
Packed dimensions (WxHxD)		mm	(1090×1805×860)+(1405×1805×910)	(1405×1805×910)×2		(1090×1805×860)+(1800×2000×910)
Net weight		kg	227+348	277+348		227+430
Gross weight		kg	242+368	304+368		242+453
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Capacity		HP	42	44	46	48
Model			MV6-1175WV2GN1	MV6-1230WV2GN1	MV6-1285WV2GN1	MV6-1345WV2GN1
Combination type			20HP+22HP	22HP+22HP	22HP+24HP	22HP+26HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	117.5	123.0	128.5	134.5
		kBtu/h	400.9	419.7	438.4	458.9
	Power input	kW	33.5	36.7	36.5	39.3
	EER	kW/kW	3.51	3.35	3.52	3.43
Heating[2]	Capacity	kW	117.5	123.0	128.5	134.5
		kBtu/h	400.9	419.7	438.4	458.9
	Power input	kW	27.7	30.0	29.9	32.6
	COP	kW/kW	4.24	4.10	4.30	4.13
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		4			
Fan motors	Type		DC			
	Quantity		4			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	17×2		17+22	
Pipe connections[3]	Liquid pipe	mm	Φ19.1			
	Gas pipe	mm	Φ38.1			
Airflow rate		m^3/h	34000		42000	
Sound pressure level[4]		dB(A)	66			
Net dimensions (WxHxD)		mm	(1340×1635×825)×2		(1340×1635×825)+(1730×1830×850)	
Packed dimensions (WxHxD)		mm	(1405×1805×910)×2		(1405×1805×910)+(1800×2000×910)	
Net weight		kg	348×2		348+430	
Gross weight		kg	368×2		368+453	
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specifications

Capacity		HP	50	52	54	56
Model			MV6-1400WV2GN1	MV6-1460WV2GN1	MV6-1515WV2GN1	MV6-1570WV2GN1
Combination type			22HP+28HP	26HP+26HP	26HP+28HP	28HP+28HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	140.0	146.0	151.5	157.0
		kBtu/h	477.7	498.2	516.9	535.7
	Power input	kW	42.5	41.8	45.1	48.3
	EER	kW/kW	3.29	3.49	3.36	3.25
Heating[2]	Capacity	kW	140.0	146.0	151.5	157.0
		kBtu/h	477.7	498.2	516.9	535.7
	Power input	kW	35.7	35.2	38.3	41.3
	COP	kW/kW	3.93	4.15	3.96	3.80
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		4			
Fan motors	Type		DC			
	Quantity		4			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	17+22	22×2		
Pipe connections[3]	Liquid pipe	mm	Φ19.1			Φ19.1
	Gas pipe	mm	Φ38.1			Φ41.3
Airflow rate		m^3/h	42000	50000		
Sound pressure level[4]		dB(A)	66			
Net dimensions (WxHxD)		mm	(1340×1635×825)+(1730×1830×850)	(1730×1830×850)×2		
Packed dimensions (WxHxD)		mm	(1405×1805×910)+(1800×2000×910)	(1800×2000×910)×2		
Net weight		kg	348+430	430×2		
Gross weight		kg	368+453	453×2		
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Capacity		HP	58	60	62	64
Model			MV6-1635WV2GN1	MV6-1685WV2GN1	MV6-1750WV2GN1	MV6-1800WV2GN1
Combination type			28HP+30HP	28HP+32HP	30HP+32HP	32HP+32HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	163.5	168.5	175.0	180.0
		kBtu/h	557.9	574.9	597.1	614.2
	Power input	kW	51.6	55.2	58.5	62.1
	EER	kW/kW	3.17	3.05	2.99	2.90
Heating[2]	Capacity	kW	163.5	168.5	175.0	180.0
		kBtu/h	557.9	574.9	597.1	614.2
	Power input	kW	43.6	46.4	48.7	51.4
	COP	kW/kW	3.75	3.63	3.59	3.50
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		4			
Fan motors	Type		DC			
	Quantity		4			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	22+25		25×2	
Pipe connections[3]	Liquid pipe	mm	Φ19.1			
	Gas pipe	mm	Φ41.3			
Airflow rate		m^3/h	49000		48000	
Sound pressure level[4]		dB(A)	66			
Net dimensions (WxHxD)		mm	(1730×1830×850)×2			
Packed dimensions (WxHxD)		mm	(1800×2000×910)×2			
Net weight		kg	430+475		475×2	
Gross weight		kg	453+507		507×2	
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specifications

Capacity		HP	66	68	70	72
Model			MV6-1850WV2GN1	MV6-1915WV2GN1	MV6-1965WV2GN1	MV6-2020WV2GN1
Combination type			12HP+22HP+32HP	14HP+22HP+32HP	16HP+22HP+32HP	12HP+28HP+32HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	185.0	191.5	196.5	202.0
		kBtu/h	631.2	653.4	670.5	689.2
	Power input	kW	58.1	59.3	61.4	63.9
	EER	kW/kW	3.18	3.23	3.20	3.16
Heating[2]	Capacity	kW	185.0	191.5	196.5	202.0
		kBtu/h	631.2	653.4	670.5	689.2
	Power input	kW	47.3	49.2	50.5	52.9
	COP	kW/kW	3.91	3.89	3.89	3.82
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		5			
Fan motors	Type		DC			
	Quantity		5			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	11+17+25	13+17+25		11+22+25
Pipe connections[3]	Liquid pipe	mm	Φ19.1	Φ22.2		
	Gas pipe	mm	Φ41.3	Φ44.5		
Airflow rate		m^3/h	52000	54000		60000
Sound pressure level[4]		dB(A)	67			
Net dimensions (WxHxD)		mm	(990×1635×790)+(1340×1635×825)+(1730×1830×850)	(1340×1635×850)+(1340×1635×825)+(1730×1830×850)		(990×1635×790)+(1730×1830×850)×2
Packed dimensions (WxHxD)		mm	(1090×1805×860)+(1405×1805×910)+(1800×2000×910)	(1405×1805×910)×2+(1800×2000×910)		(1090×1805×860)+(1800×2000×910)×2
Net weight		kg	227+348+475	277+348+475		227+430+475
Gross weight		kg	242+368+507	304+368+507		242+453+507
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Capacity		HP	74	76	78	80
Model			MV6-2075WV2GN1	MV6-2130WV2GN1	MV6-2185WV2GN1	MV6-2245WV2GN1
Combination type			20HP+22HP+32HP	22HP+22HP+32HP	22HP+24HP+32HP	22HP+26HP+32HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	207.5	213.0	218.5	224.5
		kBtu/h	708.0	726.8	745.5	766.0
	Power input	kW	64.5	67.8	67.5	70.3
	EER	kW/kW	3.22	3.14	3.24	3.19
Heating[2]	Capacity	kW	207.5	213.0	218.5	224.5
		kBtu/h	708.0	726.8	745.5	766.0
	Power input	kW	53.4	55.7	55.6	58.3
	COP	kW/kW	3.88	3.82	3.93	3.85
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		6			
Fan motors	Type		DC			
	Quantity		6			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	17×2+25		17+22+25	
Pipe connections[3]	Liquid pipe	mm	Φ22.2			
	Gas pipe	mm	Φ44.5			
Airflow rate		m^3/h	58000		66000	
Sound pressure level[4]		dB(A)	68			
Net dimensions (WxHxD)		mm	(1340×1635×825)×2+(1730×1830×850)		(1340×1635×825)+(1730×1830×850)×2	
Packed dimensions (WxHxD)		mm	(1405×1805×910)×2+(1800×2000×910)		(1405×1805×910)+(1800×2000×910)×2	
Net weight		kg	348×2+475		348+430+475	
Gross weight		kg	368×2+507		368+453+507	
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

Specifications

Capacity		HP	82	84	86	88
Model			MV6-2300WV2GN1	MV6-2360WV2GN1	MV6-2415WV2GN1	MV6-2470WV2GN1
Combination type			22HP+28HP+32HP	26HP+26HP+32HP	26HP+28HP+32HP	28HP+28HP+32HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	230.0	236.0	241.5	247.0
		kBtu/h	784.8	805.2	824.0	842.8
	Power input	kW	73.5	72.8	76.1	79.3
	EER	kW/kW	3.13	3.24	3.17	3.11
Heating[2]	Capacity	kW	230.0	236.0	241.5	247.0
		kBtu/h	784.8	805.2	824.0	842.8
	Power input	kW	61.4	60.9	64.0	67.0
	COP	kW/kW	3.75	3.87	3.78	3.68
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		6			
Fan motors	Type		DC			
	Quantity		6			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	17+22+25	22×2+25		
Pipe connections[3]	Liquid pipe	mm	Φ22.2	Φ25.4		
	Gas pipe	mm	Φ44.5	Φ50.8		
Airflow rate		m^3/h	66000	74000		
Sound pressure level[4]		dB(A)	68			
Net dimensions (WxHxD)		mm	(1340×1635×825)+(1730×1830×850)×2	(1730×1830×850)×3		
Packed dimensions (WxHxD)		mm	(1405×1805×910)+(1800×2000×910)×2	(1800×2000×910)×3		
Net weight		kg	348+430+475	430×2+475		
Gross weight		kg	368+453+507	453×2+507		
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Capacity		HP	90	92	94	96
Model			MV6-2535WV2GN1	MV6-2585WV2GN1	MV6-2650WV2GN1	MV6-2700WV2GN1
Combination type			28HP+30HP+32HP	28HP+32HP+32HP	30HP+32HP+32HP	32HP+32HP+32HP
Power supply		V/Ph/Hz	380-415/3/50(60)			
Cooling[1]	Capacity	kW	253.5	258.5	265.0	270.0
		kBtu/h	864.9	882.0	904.2	921.2
	Power input	kW	82.6	86.2	89.5	93.1
	EER	kW/kW	3.07	3.00	2.96	2.90
Heating[2]	Capacity	kW	253.5	258.5	265.0	270.0
		kBtu/h	864.9	882.0	904.2	921.2
	Power input	kW	69.3	72.1	74.4	77.1
	COP	kW/kW	3.66	3.59	3.56	3.50
Connectable Indoor Unit	Total capacity		50-130% of outdoor unit capacity			
	Max. quantity		64			
Compressors	Type		DC inverter			
	Quantity		6			
Fan motors	Type		DC			
	Quantity		6			
	Max. ESP	Pa	20 default; 60 customization option			
Refrigerant	Type		R410A			
	Factory charge	kg	22+25×2		25+25×2	
Pipe connections[3]	Liquid pipe	mm	Φ25.4			
	Gas pipe	mm	Φ50.8			
Airflow rate		m^3/h	73000		72000	
Sound pressure level[4]		dB(A)	68			
Net dimensions (WxHxD)		mm	(1730×1830×850)×3			
Packed dimensions (WxHxD)		mm	(1800×2000×910)×3			
Net weight		kg	430+475×2		475×3	
Gross weight		kg	453+507×2		507×3	
Ambient temp. operating range	Cooling	°C	-5 to 54			
	Heating	°C	-25 to 24			

Notes:
1. Indoor temperature 27°C DB, 19°C WB; outdoor temperature 35°C DB; equivalent refrigerant piping length 7.5m with zero level difference.
2. Indoor temperature 20°C DB; outdoor temperature 7°C DB, 6°C WB; equivalent refrigerant piping length 7.5m with zero level difference.
3. Diameters given are those for the pipe connecting the outdoor unit combination to the first indoor branch joint for systems with total equivalent liquid piping lengths of less than 90m. For systems with total equivalent liquid piping lengths of 90m or longer, please refer to the V6 Series Engineering Data Book for connection piping diameters.
4. Sound pressure level is measured at a position 1m in front of the unit and 1.3m above the floor in a semi-anechoic chamber.

2nd Generation VRF

DC INDOOR UNITS

Wide Application Range

Wide Range of Indoor Units

With 11 types and more than 100 models, Midea VRF indoor units meet varied customer requirements in a wide range of locations including shopping malls, hospitals, office buildings, hotels and airports.

Multiple Appearance Options

For Wall Mounted Units, three interchangeable panels add extra flexibility to a universal body design.

M3 panel

M9 panel

M10 panel

For Four-way Cassette and Compact Four-way Cassette Units, interchangeable 360° airflow and four-way airflow panels are available.

360° airflow

Four-way airflow

For Floor Standing Units, 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)

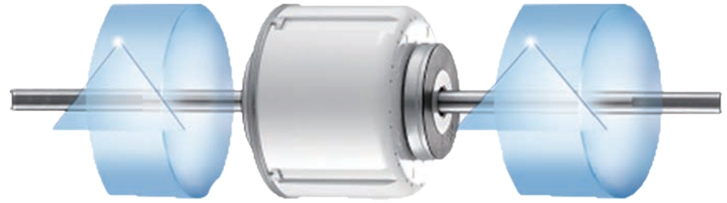
F4 (front air intake)

F5 (underside air intake)

Comfort and Efficiency

High Efficiency DC Fan Motor

The power consumption of DC fan motor can be reduced greatly in comparison to corresponding AC type.

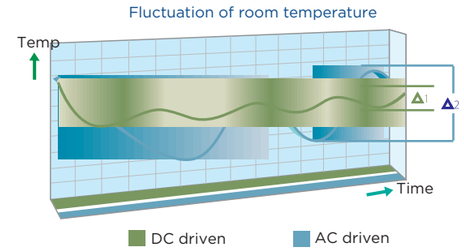


Quiet Operation

The low sound operation DC fan motor and optimized fan blades guarantees the air discharge smoothly and provides a quiet living environment.

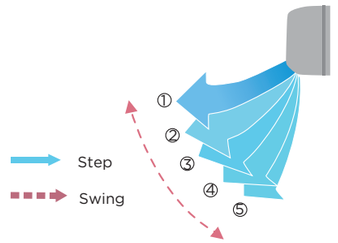
Constant Level of Indoor Air Temperature

The DC Inverter fan motor adjusts of air flow based on thermal load instantly providing less temperature fluctuation and an improved living environment.



5-step Swing Louver

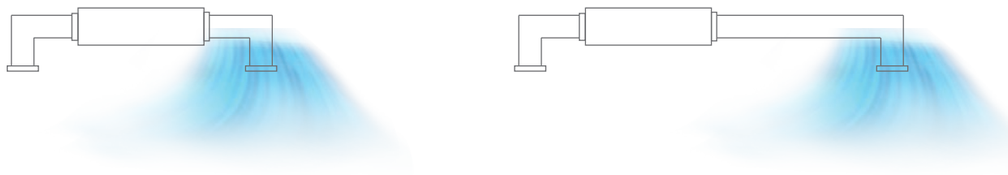
The air is comfortably spread upwards and downwards thanks to the 5-step swing louver that can be programmed via the controller.



Comfort and Efficiency

Static Pressure 20 Steps Control (Duct Unit)

Depending on the installation environment, medium static pressure duct is controlled the static pressure up to 10 steps and 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.

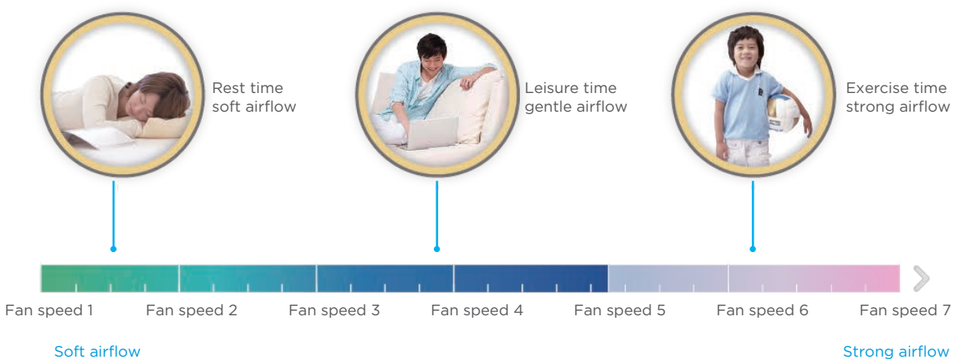


Constant airflow discharge

20 steps static pressure control

7-Speed Fan Control

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



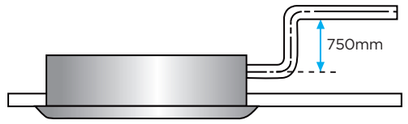
Fresh Air Intake

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

Convenience

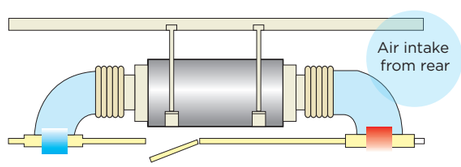
High-lift Drain Pump

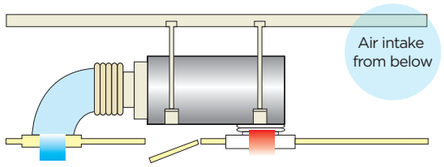
A drain pump with a 750mm or 500mm pump head is fitted as standard or optional, simplifying installation of the drain piping.



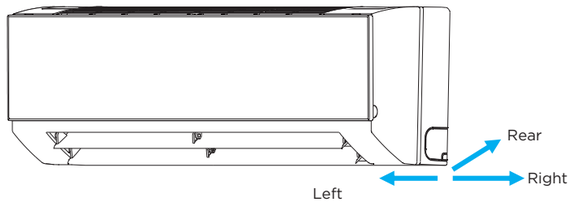
Flexible Installation

For Medium Static Pressure Duct Units, 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.

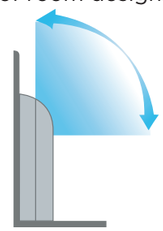




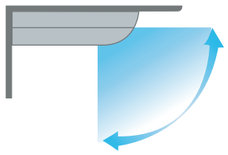
For Wall Mounted Units, the refrigerant outlet direction can be left, right or rear as the installation situation requires. A new fixing plate design speeds installation and provides extra stability.



Ceiling / Floor Units can be installed either on the ceiling or the floor, providing flexibility to accommodate a wide range of room designs.



Floor installation



Ceiling installation

One-way Cassette

- Fresh air intake (45~71 models)
- One-way air discharge, ideal for corner locations
- Drain pump with 750mm pump head fitted as standard

Optional wireless remote controller

RM12D RM05B

Optional wired controller

WDC-86E/KD WDC-120G/WK

Model			MI2-18Q1DHN1	MI2-22Q1DHN1	MI2-28Q1DHN1	MI2-36Q1DHN1
Power supply			1-phase, 220-240V, 50/60Hz			
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
Air flow rate[3]		m^3/h	523/482/448/404/360/312/275		573/531/492/456/420/364/315	
Sound pressure level[4]		dB(A)	37/36/35/34/32/31/30		39/38/37/36/35/35/34	
Main body	Net dimensions[5] (WxHxD)	mm	1054×153×425			
	Packed dimensions (WxHxD)	mm	1155×245×490			
	Net/Gross weight	kg	11.8/15.3		12.3/15.8	
Panel	Net dimensions (W×H×D)	mm	1180×25×465			
	Packed dimensions (W×H×D)	mm	1232×107×517			
	Net/Gross weight	kg	3.5/5.2			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ32			

Model			MI2-45Q1DHN1	MI2-56Q1DHN1	MI2-71Q1DHN1
Power supply			1-phase, 220-240V, 50/60Hz		
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
Air flow rate[3]		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[4]		dB(A)	41/40/39/38/37/36/35	42/41/40/39/38/37/36	44/43/42/41/39/38/37
Main body	Net dimensions[5] (WxHxD)	mm	1275×189×450		
	Packed dimensions (WxHxD)	mm	1370×295×505		
	Net/Gross weight	kg	16.1/20.4	16.4/20.7	17.6/22.4
Panel	Net dimensions (W×H×D)	mm	1350×25×505		
	Packed dimensions (W×H×D)	mm	1410×95×560		
	Net/Gross weight	kg	4/5.4		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ32		

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Two-way Cassette

- Fresh air intake
- Two-way air discharge, perfect for limited ceiling space applications
- Drain pump with 750mm pump head fitted as standard

Optional wireless remote controller

RM12D RM05B

Optional wired controller

WDC-86E/KD WDC-120G/WK

Model			MI2-22Q2DHN1	MI2-28Q2DHN1	MI2-36Q2DHN1
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
	Power input	W	35	40	40
Heating[2]	Capacity	kW	2.6	3.2	4.0
		kBtu/h	8.9	10.9	13.6
	Power input	W	35	40	40
Air flow rate[3]		m^3/h	654/612/571/530/488/449/410		725/679/641/591/554/509/458
Sound pressure level[4]		dB(A)	33/31/30/29/27/25/24		35/33/32/30/29/27/25
Main body	Net dimensions[5] (WxHxD)	mm	1172×299×591		
	Packed dimensions (WxHxD)	mm	1355×400×675		
	Net/Gross weight	kg	33.5/42.0		
Panel	Net dimensions (W×H×D)	mm	1430×53×680		
	Packed dimensions (W×H×D)	mm	1525×130×765		
	Net/Gross weight	kg	10.5/15		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		
	Drain pipe	mm	OD Φ32		

Model			MI2-45Q2DHN1	MI2-56Q2DHN1	MI2-71Q2DHN1
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	50	69	98
Heating[2]	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	50	69	98
Air flow rate[3]		m^3/h	850/792/731/670/631/592/550	980/925/855/800/755/702/670	1200/1115/1068/1000/921/808/770
Sound pressure level[4]		dB(A)	37/36/35/34/32/31/30	39/37/36/35/33/31/30	44/42/41/40/38/36/34
Main body	Net dimensions[5] (WxHxD)	mm	1172×299×591		
	Packed dimensions (WxHxD)	mm	1355×400×675		
	Net/Gross weight	kg	35/43.5		
Panel	Net dimensions (W×H×D)	mm	1430×53×680		
	Packed dimensions (W×H×D)	mm	1525×130×765		
	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		

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Compact Four-way Cassette

- 360° airflow allows for even, wide-range cooling and heating
- Drain pump with 500mm pump head fitted as standard

Optional wireless remote controller

RM12D

RM05B

Optional wired controller

WDC-86E/KD

WDC-120G/WK

Model			MI2-22Q4CDHN1	MI2-28Q4CDHN1	MI2-36Q4CDHN1	MI2-45Q4CDHN1
Power supply			1-phase, 220-240V, 50/60Hz			
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	35	35	40	50
Heating[2]	Capacity	kW	2.4	3.2	4.0	5.0
		kBtu/h	8.2	10.9	13.6	17.1
	Power input	W	35	35	40	50
Air flow rate[3]		m^3/h	576/552/524/503/462/441/405		604/573/541/516/478/434/400	
Sound pressure level[4]		dB(A)	35/34/33/29/26/23/22		41/38/35/32/30/29/28	
Main body	Net dimensions[5] (WxHxD)	mm	630×260×570			
	Packed dimensions (WxHxD)	mm	700×345×660			
	Net/Gross weight	kg	18/23.5		19.2/24.7	
Panel	Net dimensions (W×H×D)	mm	647×50×647			
	Packed dimensions (W×H×D)	mm	715×123×715			
	Net/Gross weight	kg	2.5/4.5			
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ32			

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Four-way Cassette

- Fresh air intake
- Four-way airflow, allows wide-angle, equal distribution of cooling and heating
- Drain pump with 750mm pump head fitted as standard
- Brand-new, elegant panel with four independently controlled louvers

Optional wireless remote controller

RM12D

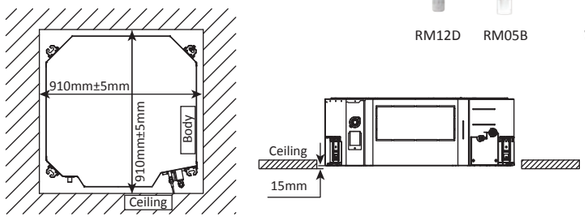
RM05B

Optional wired controller

WDC-86E/KD

WDC-120G/WK

New panel appearance



New panel installation dimensions

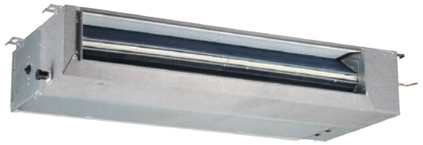
Model			MI2-28Q4DHN1	MI2-36Q4DHN1	MI2-45Q4DHN1	MI2-56Q4DHN1	MI2-71Q4DHN1
Power supply			1 phase, 220-240V, 50/60Hz				
Cooling[1]	Capacity	kW	2.8	3.6	4.5	5.6	7.1
		kBtu/h	9.6	12.3	15.4	19.1	24.2
	Power input	W	40	45	50	60	70
Heating[2]	Capacity	kW	3.2	4.0	5.0	6.3	8.0
		kBtu/h	10.9	13.6	17.1	21.5	27.3
	Power input	W	40	45	50	60	70
Air flow rate[3]		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[4]		dB(A)	32/31/30/28/28/26/23		35/34/31/31/30/28/26		35/35/34/31/30/28/27
Main body	Net dimensions[5] (WxHxD)	mm	840×230×840				
	Packed dimensions (WxHxD)	mm	955×260×955				
	Net/Gross weight	kg	21.3/25.8		23.2/27.6		
Panel	Net dimensions (W×H×D)	mm	950×54.5×950				
	Packed dimensions (W×H×D)	mm	1035×90×1035				
	Net/Gross weight	kg	5/8				
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ32				

Model			MI2-80Q4DHN1	MI2-90Q4DHN1	MI2-100Q4DHN1	MI2-112Q4DHN1	MI2-140Q4DHN1
Power supply			1 phase, 220-240V, 50/60Hz				
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
	Power input	W	96	100	150	160	170
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
	Power input	W	96	100	150	160	170
Air flow rate[3]		m^3/h	1203/1131/1064/977/912/840/774	1349/1294/1230/1201/1111/1029/970	1641/1544/1431/1309/1225/1198/1143		1662/1574/1448/1348/1253/1219/1170
Sound pressure level[4]		dB(A)	36/35/34/31/31/29/28	37/35/34/31/31/30/28	38/36/35/34/31/31/30		39/37/36/35/34/31/31
Main body	Net dimensions[5] (WxHxD)	mm	840×230×840	840×300×840			
	Packed dimensions (WxHxD)	mm	955×260×955	955×330×955			
	Net/Gross weight	kg	23.2/27.6	28.4/33.8			30.7/35.8
Panel	Net dimensions (W×H×D)	mm	950×54.5×950				
	Packed dimensions (W×H×D)	mm	1035×90×1035				
	Net/Gross weight	kg	5/8				
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9				
	Drain pipe	mm	OD Φ32				

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Medium Static Pressure Duct

- Fresh air intake
- 6-step static pressure control on 2.2kW to 7.1kW models and 10-step static pressure control on 8kW to 14kW units (requires latest generation wired controllers)
- Drain pump with 750mm pump head fitted as standard
- Flexible installation for the air inlet may be positioned either on the underside or the rear of the unit



Optional wireless remote controller

Optional wired controller

RM12D

RM05B

WDC-86E/KD

WDC-120G/WK

Model			MI2-22T2DHN1	MI2-28T2DHN1	MI2-36T2DHN1
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	2.2	2.8	3.6
		kBtu/h	7.5	9.6	12.3
	Power input	W	40	40	45
Heating[2]	Capacity	kW	2.6	3.2	4.0
		kBtu/h	8.2	10.9	13.6
	Power input	W	40	40	45
Air flow rate[3]		m^3/h	520/480/440/400/360/330/300		580/540/500/460/430/400/370
External static pressure		Pa	10 (0~50)		
Sound pressure level[4]		dB(A)	32/31/29/28/26/25/23		33/32/31/30/28/27/25
Unit	Net dimensions[5] (WxHxD)	mm	780×210×500		
	Packed dimensions (WxHxD)	mm	870×285×525		
	Net/Gross weight	kg	18/21		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7		
	Drain pipe	mm	OD Φ25		

Model			MI2-45T2DHN1	MI2-56T2DHN1	MI2-71T2DHN1
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	4.5	5.6	7.1
		kBtu/h	15.4	19.1	24.2
	Power input	W	92	92	98
Heating[2]	Capacity	kW	5.0	6.3	8.0
		kBtu/h	17.1	21.5	27.3
	Power input	W	92	92	98
Air flow rate[3]		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 (0~50)		
Sound pressure level[4]		dB(A)	36/34/32/31/29/27/25	36/34/33/32/30/29/28	37/35/33/32/30/29/28
Unit	Net dimensions[5] (WxHxD)	mm	1000×210×500		1220×210×500
	Packed dimensions (WxHxD)	mm	1115×285×525		1335×285×525
	Net/Gross weight	kg	21.5/25		27.5/31.5
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/ Φ12.7	Φ9.53/Φ15.9	
	Drain pipe	mm	OD Φ25		

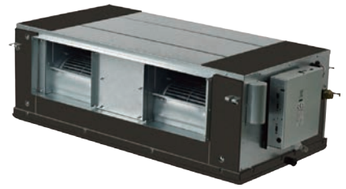
Model			MI2-80T2DHN1	MI2-90T2DHN1	MI2-112T2DHN1	MI2-140T2DHN1
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	8.0	9.0	11.2	14.0
		kBtu/h	27.3	30.7	38.2	47.8
	Power input	W	110	120	200	250
Heating[2]	Capacity	kW	9.0	10.0	12.5	15.5
		kBtu/h	30.7	34.1	42.7	52.9
	Power input	W	110	120	200	250
Air flow rate[3]		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[4]		dB(A)	37/35/34/33/31/29/28		39/38/38/37/35/34/33	41/39/38/37/36/35/33
Unit	Net dimensions[5] (WxHxD)	mm	1230×270×775			1290×300×865
	Packed dimensions (WxHxD)	mm	1355×355×795			1400×375×925
	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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

All specifications are measured at standard external static pressure.

High Static Pressure Duct

- External static pressure up to 400Pa facilitates extensive duct and grille network
- 20-step static pressure control on all models (requires latest generation wired controllers)
- A double-skin drainage pan provides double protection for ceilings (models 71 to 160)
- Water pump box is available as a customization option



Optional wireless remote controller

Optional wired controller

RM12D

RM05B

WDC-86E/KD

WDC-120G/WK

Model			MI2-71T1DHN1	MI2-80T1DHN1	MI2-90T1DHN1	MI2-112T1DHN1
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	7.1	8.0	9.0	11.2
		kBtu/h	24.2	27.3	30.7	38.2
	Power input	W	180	180	220	380
Heating[2]	Capacity	kW	8.0	9.0	10.0	12.5
		kBtu/h	27.3	30.7	34.1	42.7
	Power input	W	180	180	220	380
Air flow rate[3]		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[4]		dB(A)	46/46/45/45/44/43/42		50/49/48/48/47/46/45	50/50/49/48/47/46/45
unit	Net dimensions[5](WxHxD)	mm	965×423×690			
	Packed dimensions(WxHxD)	mm	1090×440×768			
	Net/Gross weight	kg	41/47		51/57	51/57
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ25			

Model			MI2-140T1DHN1	MI2-160T1DHN1	MI2-200T1DHN1	MI2-250T1DHN1
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	14.0	16.0	20.0	25.0
		kBtu/h	47.8	54.6	68.2	85.3
	Power input	W	420	700	990	1200
Heating[2]	Capacity	kW	16.0	17.0	22.5	26.0
		kBtu/h	54.6	58.0	76.8	88.7
	Power input	W	420	700	990	1200
Air flow rate[3]		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)		170(20~250)	
Sound pressure level[4]		dB(A)	53/52/51/51/50/49/48	54/54/53/52/51/50/50	57/56/55/54/53/52/50	
unit	Net dimensions[5](WxHxD)	mm	1322×423×691		1454×515×931	
	Packed dimensions(WxHxD)	mm	1436×450×768		1509×550×990	
	Net/Gross weight	kg	68/76		130/142	
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		Φ12.7/Φ22.2	
	Drain pipe	mm	OD Φ25		OD Φ32	

Model			MI2-280T1DHN1	MI2-400T1DHN1	MI2-450T1DHN1	MI2-560T1DHN1
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	28.0	40.0	45.0	56.0
		kBtu/h	95.0	136.5	153.6	191.1
	Power input	W	1200	1800	1800	2272
Heating[2]	Capacity	kW	31.5	45.0	56.0	63.0
		kBtu/h	107.5	153.6	191.1	215.0
	Power input	W	1200	1800	1800	2272
Air flow rate[3]		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	170(20~250)	300(100~400)		300(100~400)
Sound pressure level[4]		dB(A)	57/56/55/54/53/52/50	60/59/58/57/55/54/52		59/58/57/56/55/53/51
unit	Net dimensions[5](WxHxD)	mm	1454×515×931	2005×929×670		2005×929×670
	Packed dimensions(WxHxD)	mm	1509×550×990	2095×964×800		2095×964×800
	Net/Gross weight	kg	130/142	210/235		218/248
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22.2	Φ15.9/Φ28.6		Φ15.9/Φ28.6
	Drain pipe	mm	OD Φ32			

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

All specifications are measured at standard external static pressure.

Fresh Air Processing Unit

- 100% fresh air processing unit, both fresh air filtration and heating/cooling can be achieved in a single system
- External static pressure up to 400Pa facilitates extensive duct and grille network
- 20-step static pressure control on all models (requires latest generation wired controllers)
- Water pump box is available as a customization option

Optional wireless remote controller

RM12D

RM05B

Optional wired controller

WDC-86E/KD

WDC-120G/WK

Model			MI2-125FADHN1	MI2-140FADHN1	MI2-200FADHN1
Power supply			1-phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	12.5	14.0	20.0
		kBtu/h	42.6	47.8	68.2
	Power input	W	480	480	850
Heating[2]	Capacity	kW	10.5	12.0	12.8
		kBtu/h	36.0	41.0	43.7
	Power input	W	480	480	850
Air flow rate[3]		m^3/h	2000/1917/1833/1750/1667/1583/1500		3000/2833/2667/2500/2333/2167/2000
External static pressure		Pa	180(30~ 200)		200(30~ 250)
Sound pressure level[4]		dB(A)	48/47/46/45/44/43/42		50/49/48/47/46/44/43
unit	Net dimensions[5] (WxHxD)	mm	1322×423×691		1454×515×931
	Packed dimensions (WxHxD)	mm	1436×450×768		1509×550×990
	Net/Gross weight	kg	68/76		130/142
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		Φ12.7/Φ22.2
	Drain pipe	mm	OD Φ25		OD Φ32

Model			MI2-250FADHN1	MI2-280FADHN1	MI2-450FADHN1	MI2-560FADHN1
Power supply			1-phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	25.0	28.0	45.0	56.0
		kBtu/h	85.3	95.5	153.6	191.1
	Power input	W	850	850	1080	2272
Heating[2]	Capacity	kW	16.0	18.0	28.0	39.0
		kBtu/h	54.6	61.4	95.6	133.1
	Power input	W	850	850	1080	2272
Air flow rate[3]		m^3/h	3000/2833/2667/2500 /2333/2167/2000		4200/3967/3733/3500 /3267/3033/2800	7400/7000/6600/6200 /5800/5400/5000
External static pressure		Pa	200(30~ 250)		300(100~ 400)	300(100~ 400)
Sound pressure level[4]		dB(A)	50/49/48/47/46/44/43		58/56/55/53/51/49/48	59/58/57/56/54/53/51
unit	Net dimensions[5] (WxHxD)	mm	1454×515×931		2005×929×670	2005×929×670
	Packed dimensions (WxHxD)	mm	1509×550×990		2095×964×800	2095×964×800
	Net/Gross weight	kg	130/142		195/215	218/248
Pipe connections	Liquid/Gas pipe	mm	Φ12.7/Φ22.2		Φ15.9/Φ28.6	Φ15.9/Φ28.6
	Drain pipe	mm	OD Φ32			

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1.4m below the unit in a semi-anechoic chamber.
5. 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.

Wall Mounted Unit

- Three interchangeable panels allow units to blend easily with any interior decoration, perfect for rooms with no false ceilings or free floor space
- Refrigerant outlet direction can be left, right or rear as the installation situation requires

Optional wireless remote controller

RM12D

RM05B

Optional wired controller

WDC-86E/KD

WDC-120G/WK

Model			MI2-22GDHN1	MI2-28GDHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	28	28
Heating[2]	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	28	28
Air flow rate[3]		m^3/h	422/411/402/393/380/368/356	417/402/386/370/353/338/316
Sound pressure level[4]		dB(A)	31/30/30/30/29/29/29	31/30/30/30/29/29/29
Unit	Net dimensions[5] (WxHxD)	mm	835×280×203	
	Packed dimensions (WxHxD)	mm	935×385×320	
	Net/Gross weight	kg	8.4/12.1	9.5/13.1
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	OD Φ16	

Model			MI2-36GDHN1	MI2-45GDHN1	MI2-56GDHN1
Power supply			1 phase, 220-240V, 50/60Hz		
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
Air flow rate[3]		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[4]		dB(A)	33/32/32/31/31/30/30	35/34/33/33/32/31/31	38/37/36/36/35/34/34
Unit	Net dimensions[5] (WxHxD)	mm	990×315×223		
	Packed dimensions (WxHxD)	mm	1085×420×335		
	Net/Gross weight	kg	11.4/15.5	12.8/16.9	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7		Φ9.53/Φ15.9
	Drain pipe	mm	OD Φ16		

Model			MI2-71GDHN1	MI2-80GDHN1	MI2-90GDHN1
Power supply			1 phase, 220-240V, 50/60Hz		
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
Air flow rate[3]		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[4]		dB(A)	44/43/42/39/38/37/36	44/43/42/39/38/37/36	48/46/45/43/41/40/38
Unit	Net dimensions[5] (WxHxD)	mm	1194×343×262		
	Packed dimensions (WxHxD)	mm	1290×375×460		
	Net/Gross weight	kg	17.0/22.4		
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		
	Drain pipe	mm	OD Φ16		

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Ceiling / Floor

- Can be installed either on the ceiling or floor

Optional wireless remote controller

RM12D RM05B

Optional wired controller

WDC-86E/KD WDC-120G/WK

Model			MI2-36DLDHN1	MI2-45DLDHN1	MI2-56DLDHN1	MI2-71DLDHN1
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	3.6	4.5	5.6	7.1
		kBtu/h	12.3	15.4	19.1	24.2
	Power input	W	49	115	115	115
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
Air flow rate[3]		m^3/h	550/525/500/480/460/440/420	930/895/860/830/792/755/720		
Sound pressure level[4]		dB(A)	40/39/38/38/37/36/36	43/42/41/41/39/38/38		
Unit	Net dimensions[5] (WxHxD)	mm	990×660×203			
	Packed dimensions (WxHxD)	mm	1089×744×296			
	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			MI2-80DLDHN1	MI2-90DLDHN1	MI2-112DLDHN1	MI2-140DLDHN1
Power supply			1 phase, 220-240V, 50/60Hz			
Cooling[1]	Capacity	kW	8.0	9.0	11.2	14.0
		kBtu/h	27.2	30.7	38.2	47.8
	Power input	W	130	130	180	180
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
Air flow rate[3]		m^3/h	1280/1245/1210/1170/1130/1085/1050		1890/1830/1765/1700/1660/1620/1580	
Sound pressure level[4]		dB(A)	45/44/43/43/42/41/40		47/46/45/45/44/43/42	
Unit	Net dimensions[5] (WxHxD)	mm	1280×660×203		1670×680×244	
	Packed dimensions (WxHxD)	mm	1379×744×296		1915×760×330	
	Net/Gross weight	kg	35/41		48/58	
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9			
	Drain pipe	mm	OD Φ16			

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Floor standing: Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
   Ceiling mounted: Sound pressure level is measured 1m in front and 1m below the unit in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Floor Standing Unit (Concealed)

- Designed to be concealed in walls with only the suction and discharge grills visible

Optional wireless remote controller

RM12D RM05B

Optional wired controller

WDC-86E/KD WDC-120G/WK

Model			MI2-22F3DHN1	MI2-28F3DHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	40	45
Heating[2]	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	40	45
Air flow rate[3]		m^3/h	530/504/478/456/439/418/400	569/540/515/485/462/443/421
Sound pressure level[4]		dB(A)	36/35/34/33/31/30/29	36/35/34/33/31/30/29
Unit	Net dimensions[5] (WxHxD)	mm	840×545×212	
	Packed dimensions (W×H×D)	mm	939×639×305	
	Net/Gross weight	kg	21/25.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	Φ16	

Model			MI2-36F3DHN1	MI2-45F3DHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	55	60
Heating[2]	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
	Power input	W	55	60
Air flow rate[3]		m^3/h	624/591/557/522/473/420/375	660/625/583/542/501/475/440
Sound pressure level[4]		dB(A)	37/36/35/34/32/31/30	37/36/35/34/32/31/30
Unit	Net dimensions[5] (WxHxD)	mm	1040×545×212	
	Packed dimensions (W×H×D)	mm	1139×639×305	
	Net/Gross weight	kg	25.5/30.5	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	Φ16	

Model			MI2-56F3DHN1	MI2-71F3DHN1	MI2-80F3DHN1
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
	Power input	W	88	110	130
Heating[2]	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
	Power input	W	88	110	130
Air flow rate[3]		m^3/h	1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Sound pressure level[4]		dB(A)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33
Unit	Net dimensions[5] (WxHxD)	mm	1340×545×212		
	Packed dimensions (W×H×D)	mm	1425×639×345		
	Net/Gross weight	kg	30.5/35.5		32/37
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		
	Drain pipe	mm	Φ16		

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.
All specifications are measured at 10Pa external static pressure.

Floor Standing Unit (Exposed)

- The F4 (front air intake) and F5 (underside air intake) offer a choice of air intake options

F4 (front air intake)

F5 (underside air intake)

Optional wireless remote controller

RM12D RM05B

Optional wired controller

WDC-86E/KD WDC-120G/WK

Model			MI2-22F4DHN1 / MI2-22F5DHN1	MI2-28F4DHN1 / MI2-28F5DHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	2.2	2.8
		kBtu/h	7.5	9.6
	Power input	W	40	45
Heating[2]	Capacity	kW	2.4	3.2
		kBtu/h	8.2	10.9
	Power input	W	40	45
Air flow rate[3]		m^3/h	530/504/478/456/439/418/400	569/540/515/485/462/443/421
Sound pressure level[4]		dB(A)	36/35/34/33/31/30/29	36/35/34/33/31/30/29
Unit	Net dimensions[5] (WxHxD)	mm (F4)	1000×596×225	
		mm (F5)	1000×677×220	
	Packed dimensions (W×H×D)	mm (F4)	1089×683×312	
		mm (F5)	1182×683×312	
	Net/Gross weight	kg (F4)	28/33	
		kg (F5)	28/35	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	Φ16	

Model			MI2-36F4DHN1 / MI2-36F5DHN1	MI2-45F4DHN1 / MI2-45F5DHN1
Power supply			1 phase, 220-240V, 50/60Hz	
Cooling[1]	Capacity	kW	3.6	4.5
		kBtu/h	12.3	15.4
	Power input	W	55	60
Heating[2]	Capacity	kW	4.0	5.0
		kBtu/h	13.6	17.1
	Power input	W	55	60
Air flow rate[3]		m^3/h	624/591/557/522/473/420/375	660/625/583/542/501/475/440
Sound pressure level[4]		dB(A)	37/36/35/34/32/31/30	37/36/35/34/32/31/30
Unit	Net dimensions[5] (WxHxD)	mm (F4)	1200×596×225	
		mm (F5)	1200×677×220	
	Packed dimensions (W×H×D)	mm (F4)	1289×683×312	
		mm (F5)	1382×683×312	
	Net/Gross weight	kg (F4)	33/38.6	
		kg (F5)	33/40.7	
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7	
	Drain pipe	mm	Φ16	

Model			MI2-56F4DHN1 / MI2-56F5DHN1	MI2-71F4DHN1 / MI2-71F5DHN1	MI2-80F4DHN1 / MI2-80F5DHN1
Power supply			1 phase, 220-240V, 50/60Hz		
Cooling[1]	Capacity	kW	5.6	7.1	8.0
		kBtu/h	19.1	24.2	27.3
	Power input	W	88	110	130
Heating[2]	Capacity	kW	6.3	8.0	9.0
		kBtu/h	21.5	27.3	30.7
	Power input	W	88	110	130
Air flow rate[3]		m^3/h	1150/1094/1028/970/925/886/830	1380/1290/1205/1100/1033/955/870	1380/1290/1205/1100/1033/955/870
Sound pressure level[4]		dB(A)	41/39/37/35/33/32/31	44/42/40/39/37/35/33	44/42/40/39/37/35/33
Unit	Net dimensions[5] (WxHxD)	mm (F4)	1500×596×225		
		mm (F5)	1500×677×220		
	Packed dimensions (W×H×D)	mm (F4)	1589×683×312		
		mm (F5)	1682×683×312		
	Net/Gross weight	kg (F4)	40/46		41.5/47.5
		kg (F5)	40.4/48.6		41.5/49.5
Pipe connections	Liquid/Gas pipe	mm	Φ9.53/Φ15.9		
	Drain pipe	mm	Φ16		

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

Console

- Combination of four air inlets and two air outlets ensures that cooling and heating are distributed in all directions.

Optional wireless remote controller

RM12D RM05B

Optional wired controller

WDC-86E/KD WDC-120G/WK

Model			MI2-22ZDHN1	MI2-28ZDHN1	MI2-36ZDHN1	MI2-45ZDHN1
Power supply			1 phase, 220-240V, 50/60Hz			
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
Air flow rate[3]		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[4]		dB(A)	38/36/34/32/28/27/26	39/37/35/33/31/29/27		42/41/40/39/37/36/36
Unit	Net dimensions[5] (WxHxD)	mm	700×600×210			
	Packed dimensions (WxHxD)	mm	810×710×305			
	Net/Gross weight	kg	14/19	15/20		
Pipe connections	Liquid/Gas pipe	mm	Φ6.35/Φ12.7			
	Drain pipe	mm	OD Φ16			

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. Each model's 7 airflow rate options are listed in order, from highest to lowest.
4. Each model's 7 sound pressure levels are listed in order from highest to lowest and correspond to the model's 7 airflow rate options (see Note 3).
   Sound pressure level is measured 1m in front and 1m above the floor in a semi-anechoic chamber.
5. Unit body dimensions given are the largest external dimensions of the unit, including hanger attachments.

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Accessories

CONTROLLER LINEUP

Wireless Remote/ Wired Controllers	Centralized Controllers	Data converter		Network Control System	BMS Gateways	Accessories
RM05B RM12D 	CCM-180A/WS 	CCM-15 		IMMP-M  + IMMP-S 	GW-BAC or IMMP-BAC 	Hotel Key Card Interface Module  MD-NIM05/E  MD-NIM05B/E
WDC-86E/K	CCM-270A/WS			IMMP-BAC  + IMMP-S 	GW-LON 	Infrared Sensor Controller  MD-NIM09
WDC-86E/KD  WDC-120G/WK 				CCM-270A/WS  + IMMP-S 	GW-MOD 	Diagnosis software  MCAC-DIAG-B

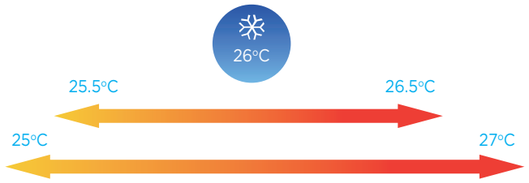
Wireless Remote Controllers

Features

Model	 RM05B	 RM12D
On / Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	●	●
Address setting	●	●
Follow me	—	●
Eco mode	●	●
Night silent mode	●	●
Display shut-off	●	●
Daily timer	●	●
Keyboard lock	●	●
Background light	●	●
Dimensions (H×W×D) (mm)	150×65×20	170×48×20
Batteries	1.5V (LR03/AAA) × 2	

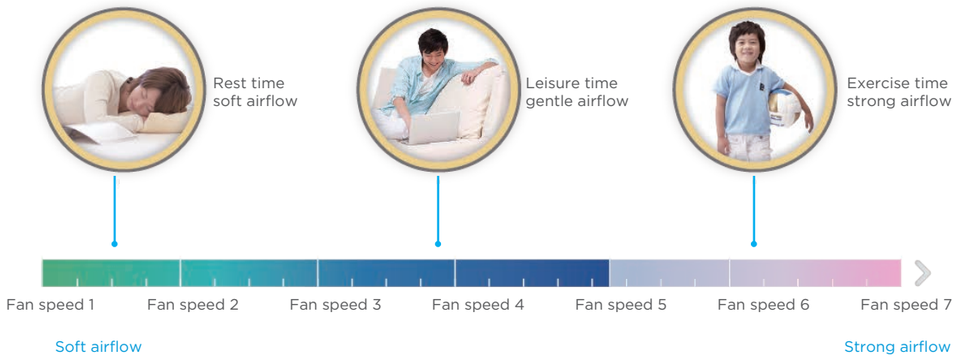
Temperature Setting

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



7-Speed Fan Control

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

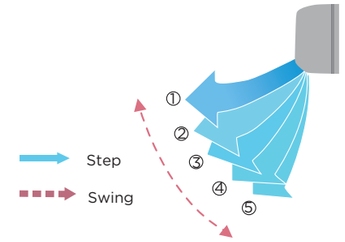


Dispaly Shut-off

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

5-step Swing Louver

The air is comfortably spread upwards and downwards thanks to the 5-step swing louver that can be programmed via the controller.



Follow Me

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

Eco Mode

Eco mode saves energy whilst retaining a comfortable indoor environment.

Wired Controllers

Features

Model	 WDC-86E/KD	 WDC-86E/K	 WDC-120G/WK
On / Off	●	●	●
Mode selection	●	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)	● (0.5°C or 1°C steps)
Dual temperature set points	●	–	●
7-speed fan control	●	●	●
Auto swing	●	●	●
5-step swing louver	●	●	●
Address setting	●	●	●
Follow me	●	●	●
Eco mode	●	●	●
Room temperature display	●	–	●
°F/°C display	●	●	●
Keyboard lock	–	–	●
Background light	●	●	●
Daily timer	●	●	●
Weekly schedule timer	–	–	●
Auto restart	●	●	●
2 permission levels	–	–	●
Bi-directional communication	●	–	●
Group control	–	–	●
Main or secondary controller setting	●	–	●
Display shut-off	●	●	●
Night silent mode	●	●	●
Remote signal receiver	●	●	●
Clean filter reminder	●	●	●
Extension function	–	–	●
Daylight saving time	–	–	●
Clock display	–	–	●
Dot matrix display	–	–	●
Error check function	●	–	●
System parameter querying	●	–	●
System setting control	●	–	●
Dimensions (WxHxD) (mm)	86x86x18	86x86x18	120x120x20
Power supply	18V DC	5V DC	18V DC

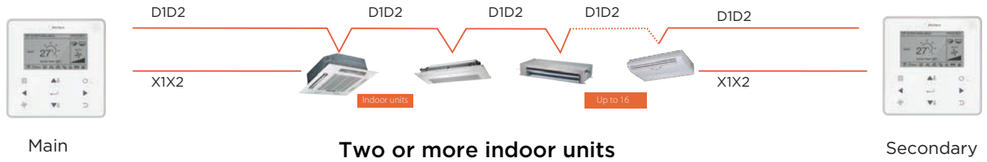
Group Control

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

Main or Secondary Controller Setting

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

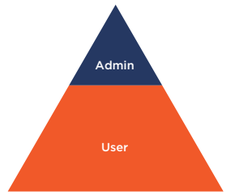
One indoor unit



Two or more indoor units

2 Permission Levels

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

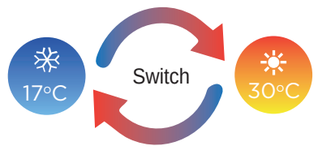


Extension Function

The extension function is specifically designed for users working overtime. Pressing the delay button postpones system shutdown by 1 or 2 hours.

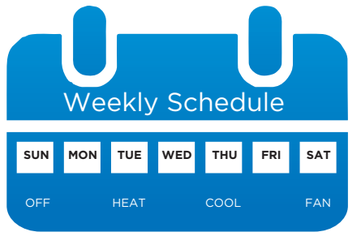
Dual Temperature Set Points

With dual temperature set point control, the set temperature changes automatically when the operating mode is changed.



Weekly Schedule Timer

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



Bi-directional Communication

The wired controller can query the system operating parameters thanks to the new bi-directional communication functionality. In addition, settings including static pressure, cold draft prevention and temperature compensation can be configured on the wired controller.

Centralized Controllers

Features

Model	 CCM-180A/WS	 CCM-270A/WS
Max. number of indoor units	64	384
Max. number of refrigerant systems	8	48
Touch screen	● (6.2-inch)	● (10.1-inch)
On / Off	●	●
Mode selection	●	●
Temperature setting	● (0.5°C or 1°C steps)	● (0.5°C steps)
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	—	●
Room temperature display	—	●
Outdoor unit Eco mode setting	●	●
Holiday setting	●	●
°C/°F display	●	●
Schdule management	●	●
Clock display	●	●
2 permission levels	●	●
Extension function	●	—
Daylight saving time	●	—
Unit model recognition	●	●
Electricity charge distribution	—	●
Visual schematic	—	●
Energy management	●	●
Group management	●	●
Error check function	●	●
System parameter querying	●	●
USB output	Error report	Error report, operation record and electricity consumption report
Report display		
Email output	—	●
Operation log	—	●
LAN access	—	●
languages supported	English	English
Dimensions (W×H×D) (mm)	181x124x30	270×183×27
Power supply	12V DC	24V AC

Touch Screen

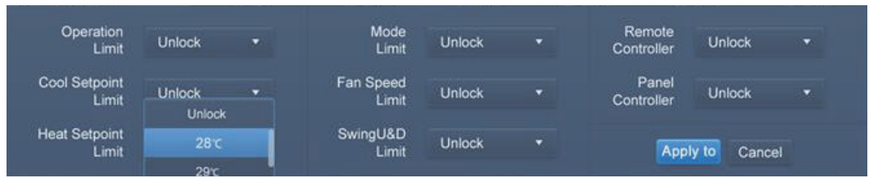
Colorful touch screen and vivid display make operation more convenient and simple.

Electricity Charge Distribution

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

Energy Management

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



Visual Schematic

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

Group Management

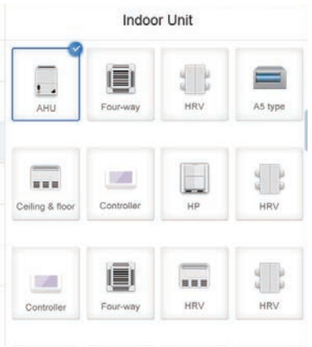
Units can be viewed according to group, system or location, making unit management clearer and more convenient.

Outdoor Unit Configuration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.

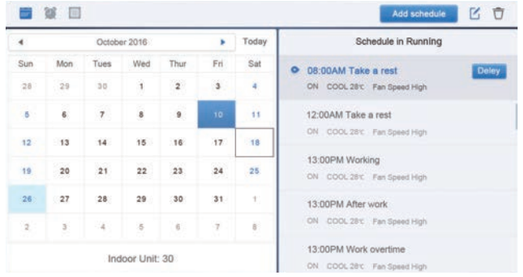
Unit Model Recognition

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



Schedule Management

Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.

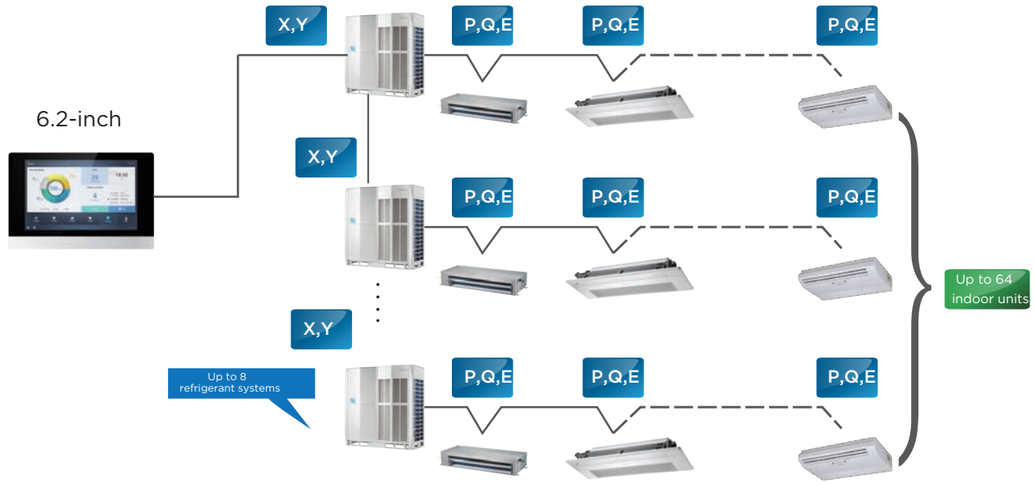


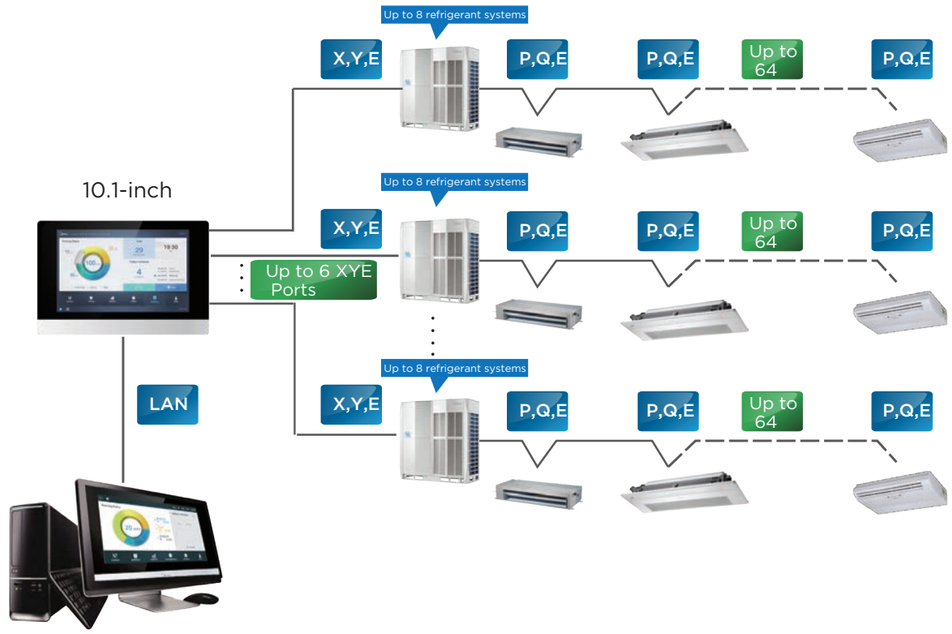
LAN Access

A desktop or laptop PC can be used for browser-based access via a LAN connection.

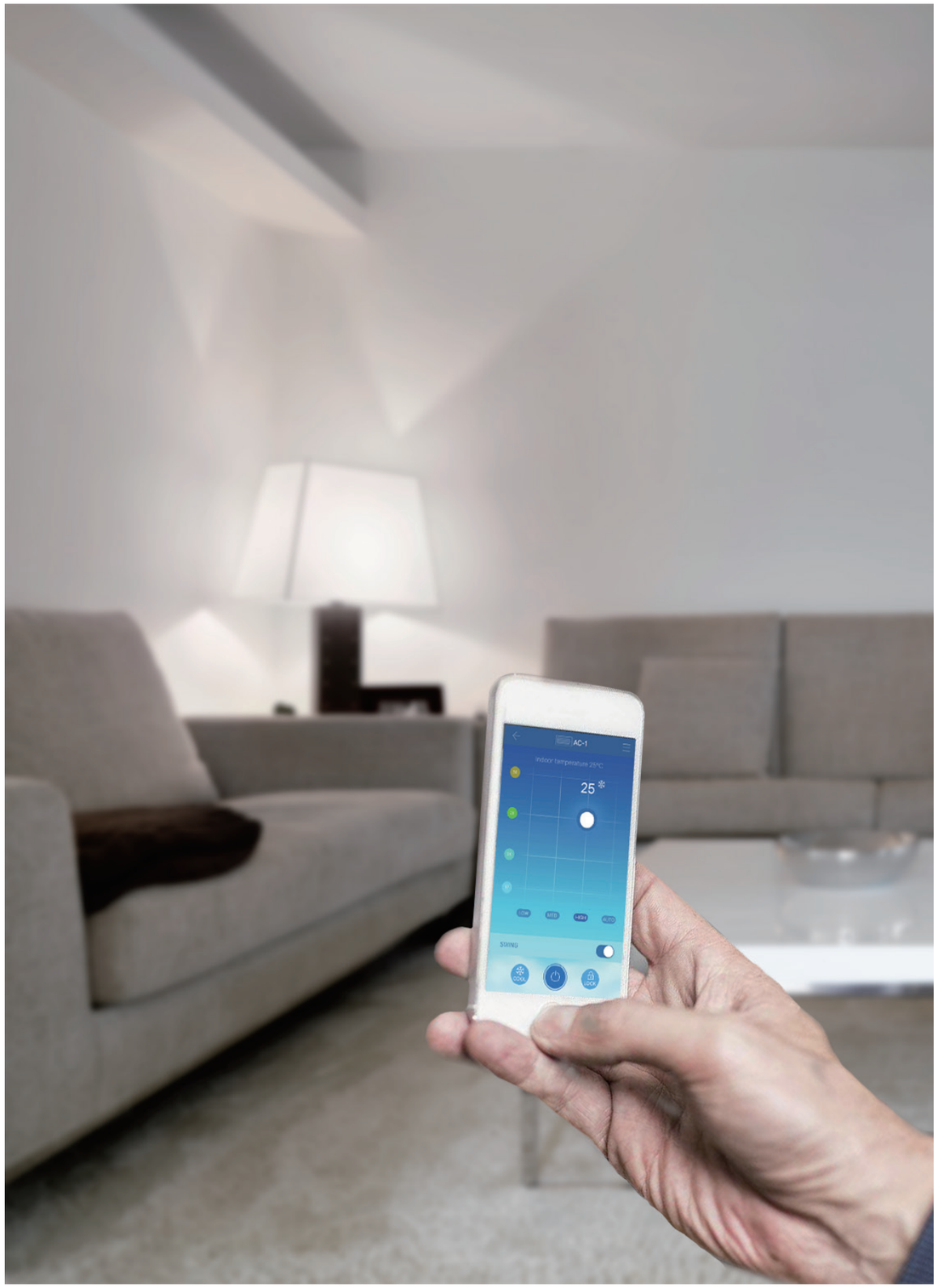
Wiring Flexibility

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





Data Converter



Features

Hardware model	 CCM-15	
Application scenarios	 Mobile Phone Application	 Cloud Server Website
Max. number of CCM-15 for one mobile APP	10	10
Max. number of indoor units	640	640
Max. number of refrigerant systems	80	80
On/Off	●	●
Mode selection	●	●
Temperature setting	● (1°C steps)	● (1°C steps)
7-speed fan control	—	—
Auto swing	●	●
5-step swing louver	—	—
Room temperature display	●	●
°C/°F display	●	●
Weekly timer	●	●
Indoor unit type recognition	—	—
Energy management	●	●
Group management	●	●
User group management	●	●
Operation log	●	●
Device log	●	●
Login record	●	●
Error log	—	●
Configuration	●	—
Account registration	●	—
Virtual	●	—
Mode display	●	●
Languages supported	English, French, Spanish	English, French, Spanish
Dimensions (W×H×D) (mm)	187×115×28	
Power supply	1 phase, 100-240V, 50/60Hz	

High Compatibility

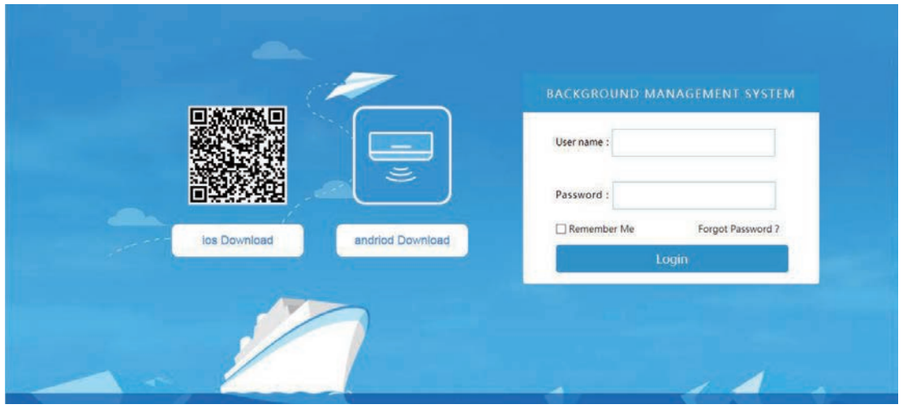
Compatible with a variety of operating systems.

User Friendly Interface

Clear, stylish interface designed by leading industrial designers.

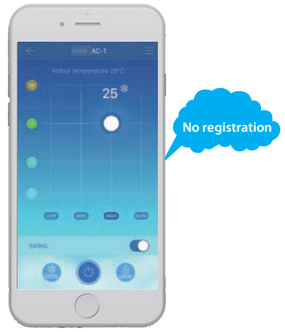
Cloud Server Website

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



Virtual Experience

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



Easy Configuration

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

Convenient Operation

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

Anytime Control

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

Clear Icons

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

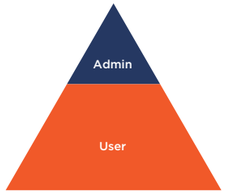
HEAT FAN COOL OFF

Group Management

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

2 Permission Levels

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

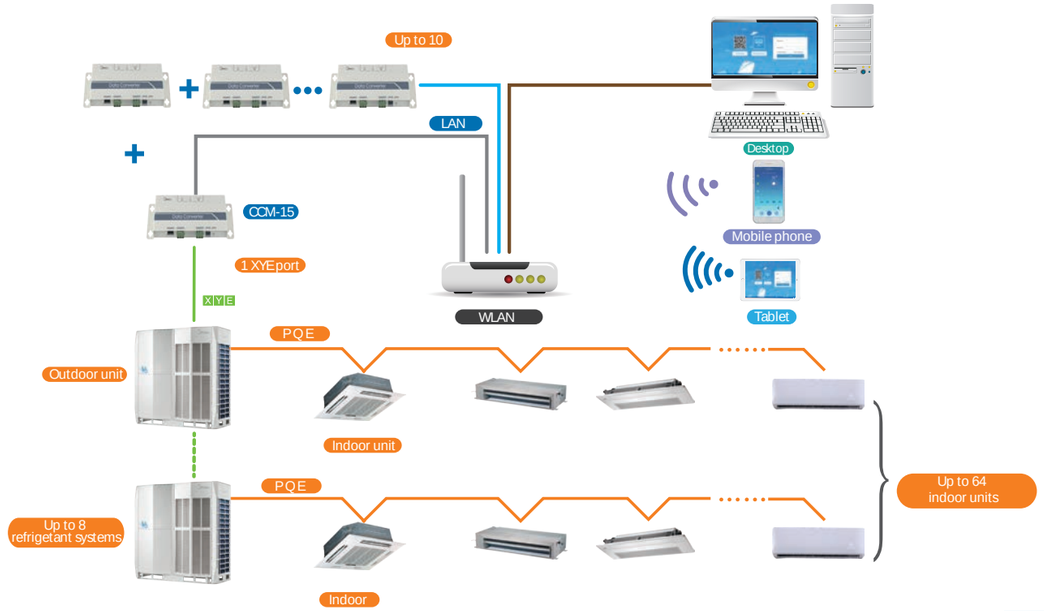


Multiple Language Options

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

Flexibility

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



CCM-15

Network Control System

Features

Software model	 IMMP-S	
Hardware model	 IMMP-M or  IMMP-BAC	 CCM-270A/WS
Max. number per IMMPRO system	10	10
Max. number of indoor units	2560	3840
Max. number of refrigerant systems	320	480
Temperature setting	● (0.5°C steps)	● (0.5°C steps)
Dual temperature set points	●	●
7-speed fan control	●	●
Auto swing	●	●
5-step swing louver	●	●
Outdoor unit Eco mode setting	●	●
Holiday setting	●	●
Schedule management	●	●
Clock display	●	●
2 permission levels	●	●
Unit model recognition	●	●
Electricity charge distribution	●	●
Visual schematic	●	●
Energy management	●	●
Group management	●	●
Error check function	●	●
System parameter querying	●	●
Report output	●	●
Operation log	●	●
LAN access	●	●
Data backup	●	●
Remote VPN access	●	●
Languages supported	English	English
Dimensions (W×H×D) (mm)	251×319×66	270×183×27
Power supply	1 phase, 100-240V, 50/60Hz	24V AC

Note: the IMMP-BAC gateway has integrated the fucntions of IMMP-M gateway and GW-BAC gateway.

User-friendly Interface

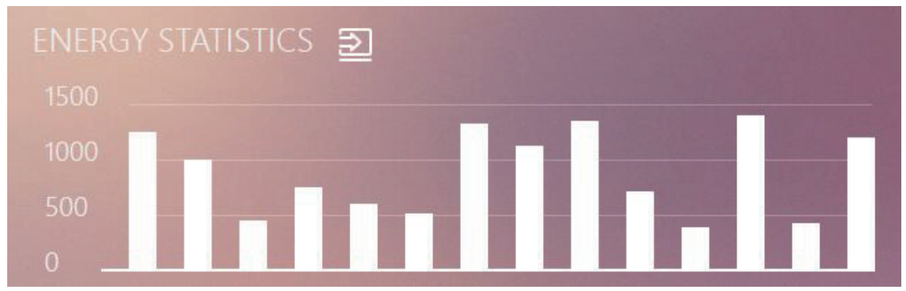
Simple, practical user interface makes for a user-friendly experience even for first-time users.

Outdoor Unit Configuration

Outdoor unit configuration and settings can be monitored and controlled without having to go outdoors.

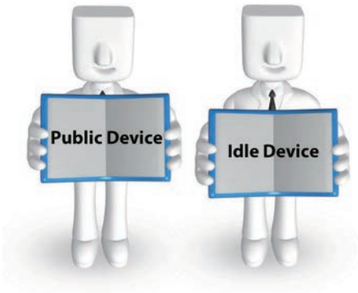
Electricity Charge Distribution

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



Public and Idle Devices

Marking a unit as a public device or idle device ensures the electricity charge distribution is more accurate and reasonable.

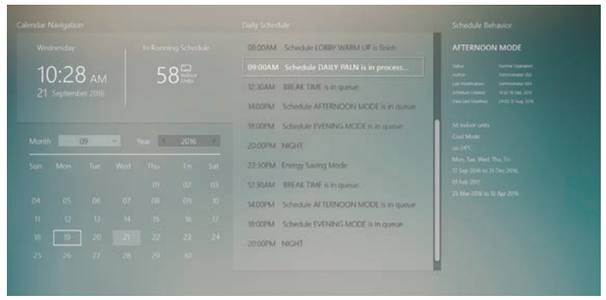


Visual Schematic

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

Schedule Management

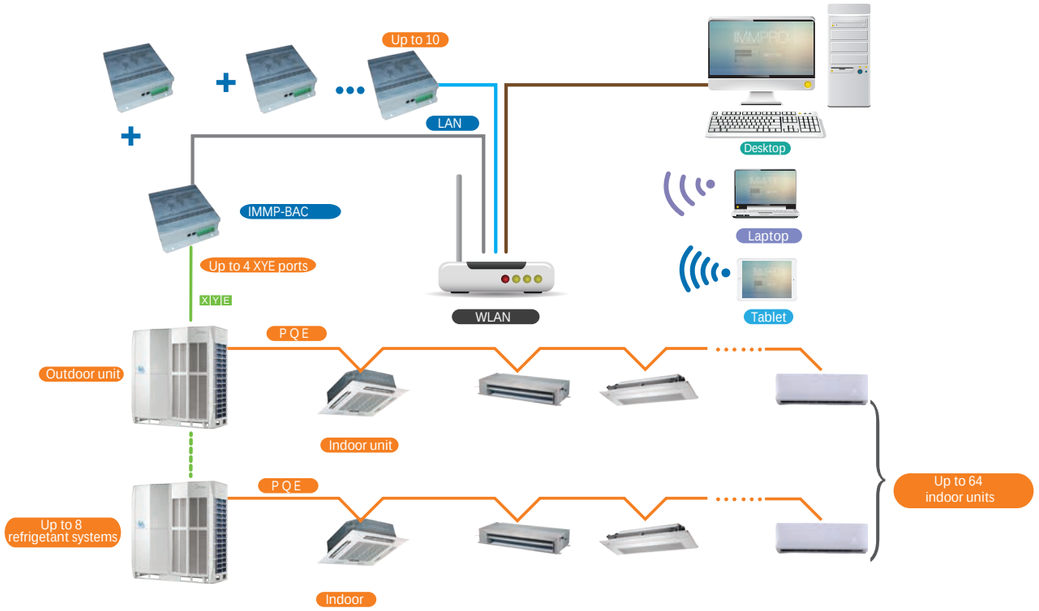
Daily, weekly or annual schedules can be used to set unit settings such as on/off, operating mode, set temperature, fan speed and swing.



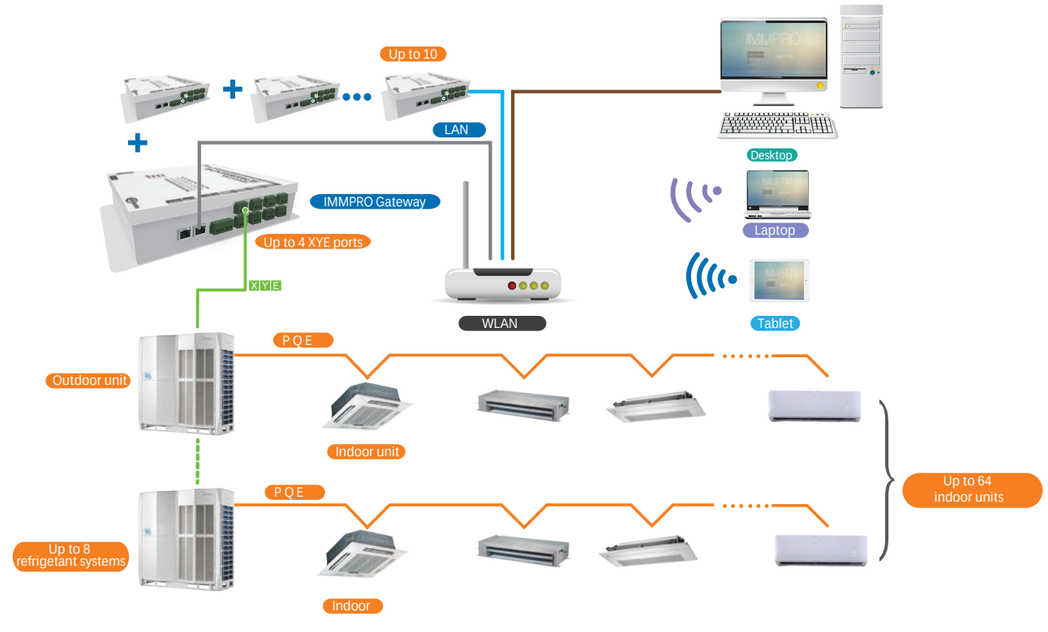
Xpress Installation

With the Xpress Installation wizard, IMMPRO can be installed quickly and easily without requiring support from a technical support engineer.

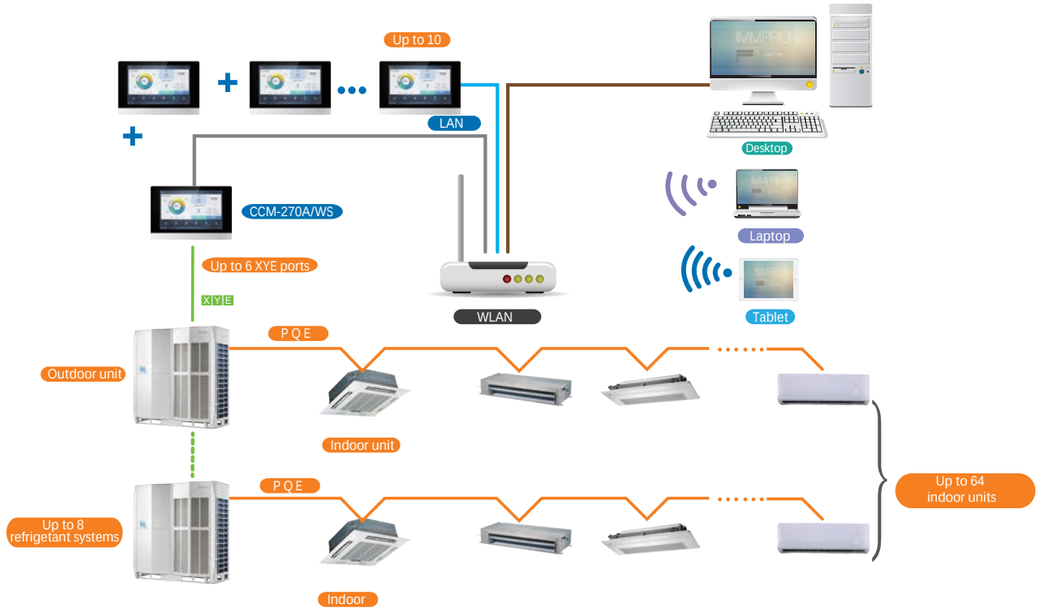
Network Flexibility



IMMP-BAC



IMMP-M



CCM-270A/WS

BMS Gateway

Monitoring and control of Midea's VRF air conditioners can be integrated into building management systems, enabling air conditioning to be monitored alongside lighting, power, fire, access and security systems. Midea's gateway devices provide full compatibility with the leading BMS protocols: BACnet, LonWorks and Modbus.

GW-BAC or IMMP-BAC

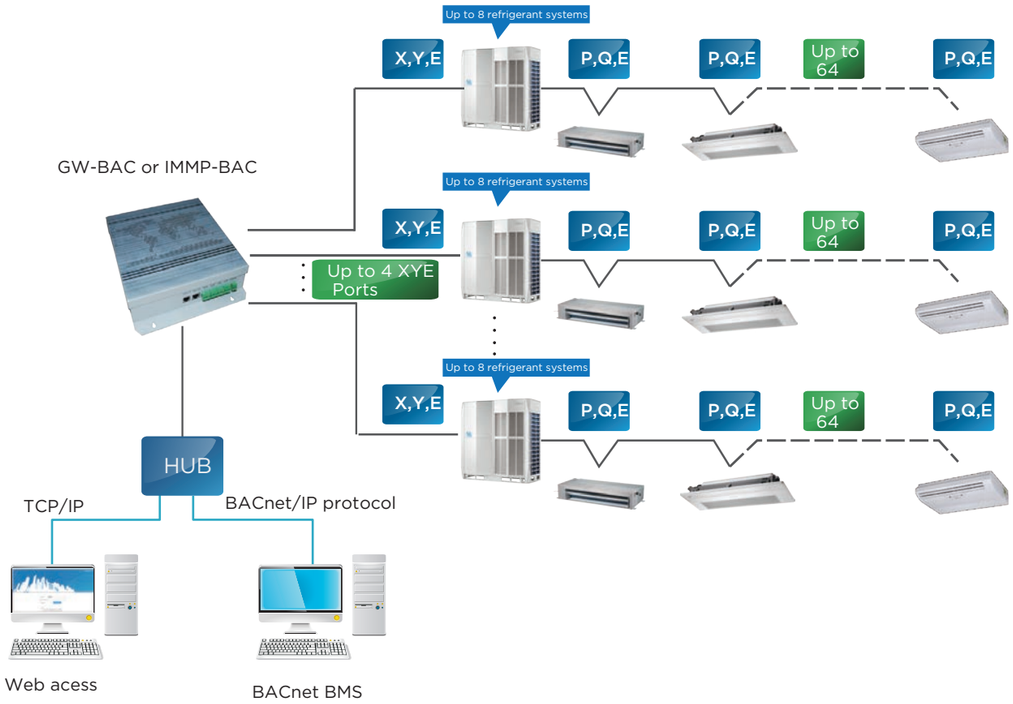
BACnet Gateway

Full Integration

The GW-BAC or IMMP-BAC Gateway allows Midea VRF systems to be monitored and controlled alongside other building management technology that use the BACnet protocol such as access control, fire detection and lighting systems.

Network Flexibility

The gateway can be connected to master outdoor units' XYE ports directly.



Features

Model		GW-BAC or IMMP-BAC
Max. number of devices (include indoor and outdoor units)		256
Max. number of refrigerant systems		32
Control	On / Off	●
	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Energy management	●
Indoor unit monitoring	Room temperature display	●
	Error status	●
	Error alarms	●
Outdoor unit monitoring	Operating mode	●
	Outdoor ambient temperature	●
	Fan speed	●
	Compressor operating frequency	●
	Discharge temperature	●
	System pressure	●
	Error status	●
	Error alarms	●
LAN access		●
BTL certification		●
Compatibility	Siemens	APOGEE
	Trane	TRACER
	Honeywell	ALERTON
	Schneider	Andover Continuum
	Johnson Controls	METASYS
Dimensions (HxWxD)(mm)		319×251×61
Power supply		1 phase, 100-240V, 50/60Hz

Note: the IMMP-BAC gateway has integrated the fucntions of IMMP-M gateway and GW-BAC gateway.

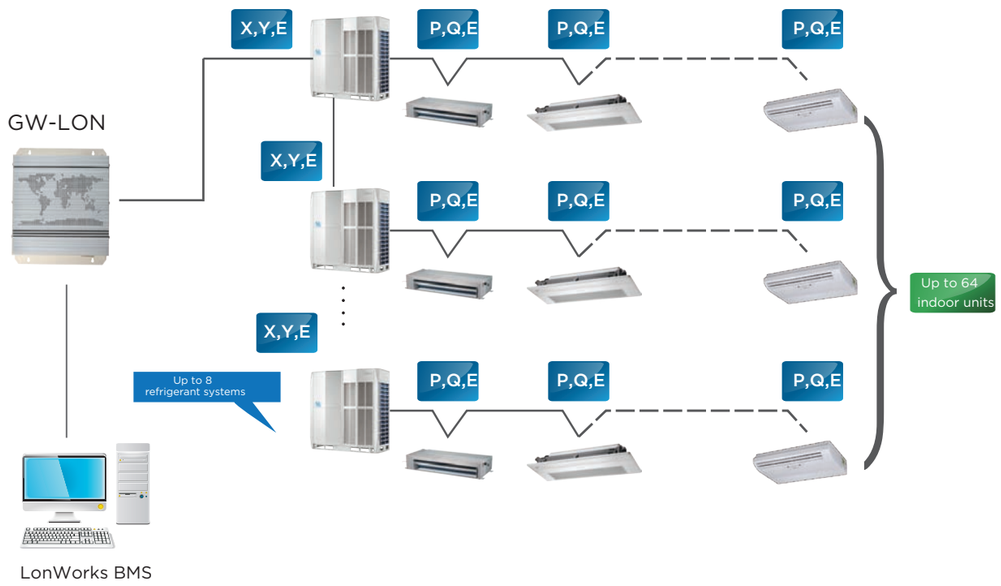
GW-LON

LonWorks Gateway

Full Integration

The GW-LON Gateway allows Midea VRF systems to be monitored and controlled alongside other building management technology on the LonWorks platform such as security, fire safety and lighting systems.

Network Flexibility



Features

Model		GW-LON
Max. number of indoor units		64
Max. number of refrigerant systems		8
Control	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Group shut down	●
	On / Off	●
Indoor unit monitoring	Operating mode	●
	Set temperature	●
	Fan speed	●
	Online status	●
	Operating status	●
	Room temperature	●
	Error status	●
Outdoor unit monitoring	Error status	●
Dimensions (HxWxD)(mm)		319×251×61
Power supply		1 phase, 100-240V, 50/60Hz

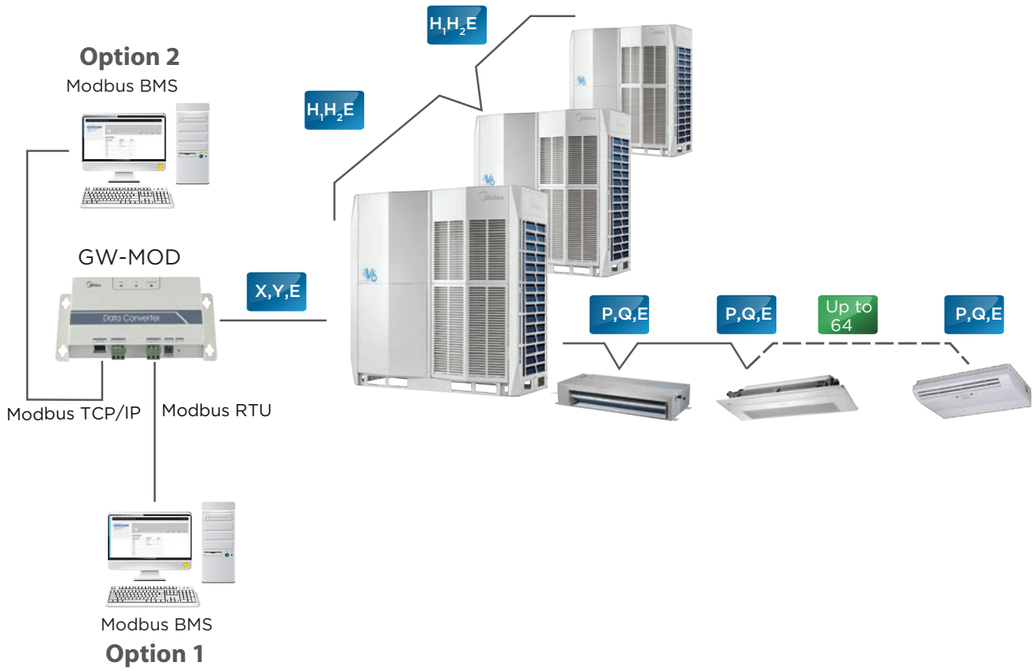
GW-MOD

Modbus Gateway

Full Integration

The GW-MOD Gateway enables seamless connection of Midea VRF systems with building management systems built on the Modbus communication protocol.

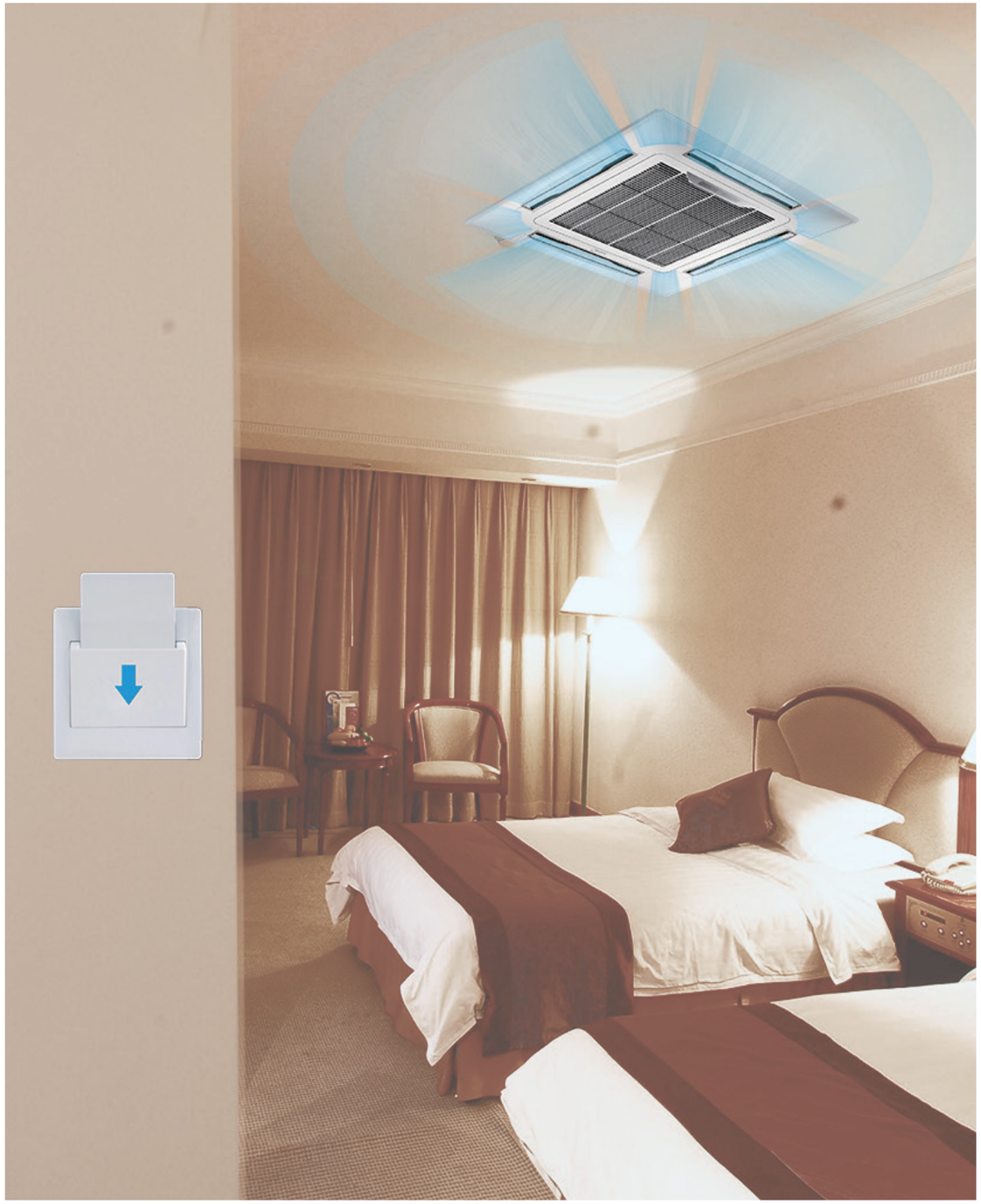
Network Flexibility



Features

Model		GW-MOD
Max. number of indoor units		64
Max. number of refrigerant systems		1
Control	On / Off	●
	Mode selection	●
	Temperature setting	●
	Fan speed	●
	Group on/off	●
Indoor unit monitoring	Online status	●
	Room temperature	●
	Error status	●
	Operating mode	●
Outdoor unit monitoring	Operating mode	●
	Lock status	●
	Fan speed	●
	Set temperature	●
	Outdoor ambient temperature	●
	Error status	●
LAN access		●
Dimensions (HxWxD)(mm)		187×115×28
Power supply		1 phase, 100-240V, 50/60Hz

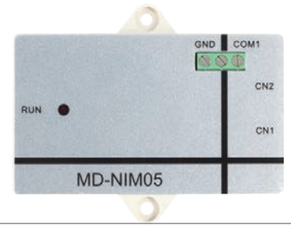
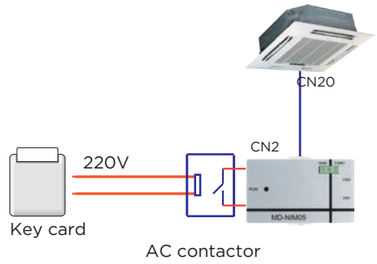
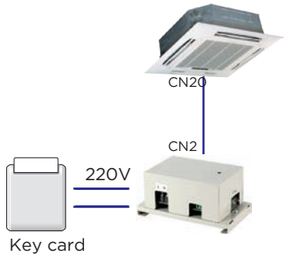
Hotel Key Card Interface Modules



Full Integration

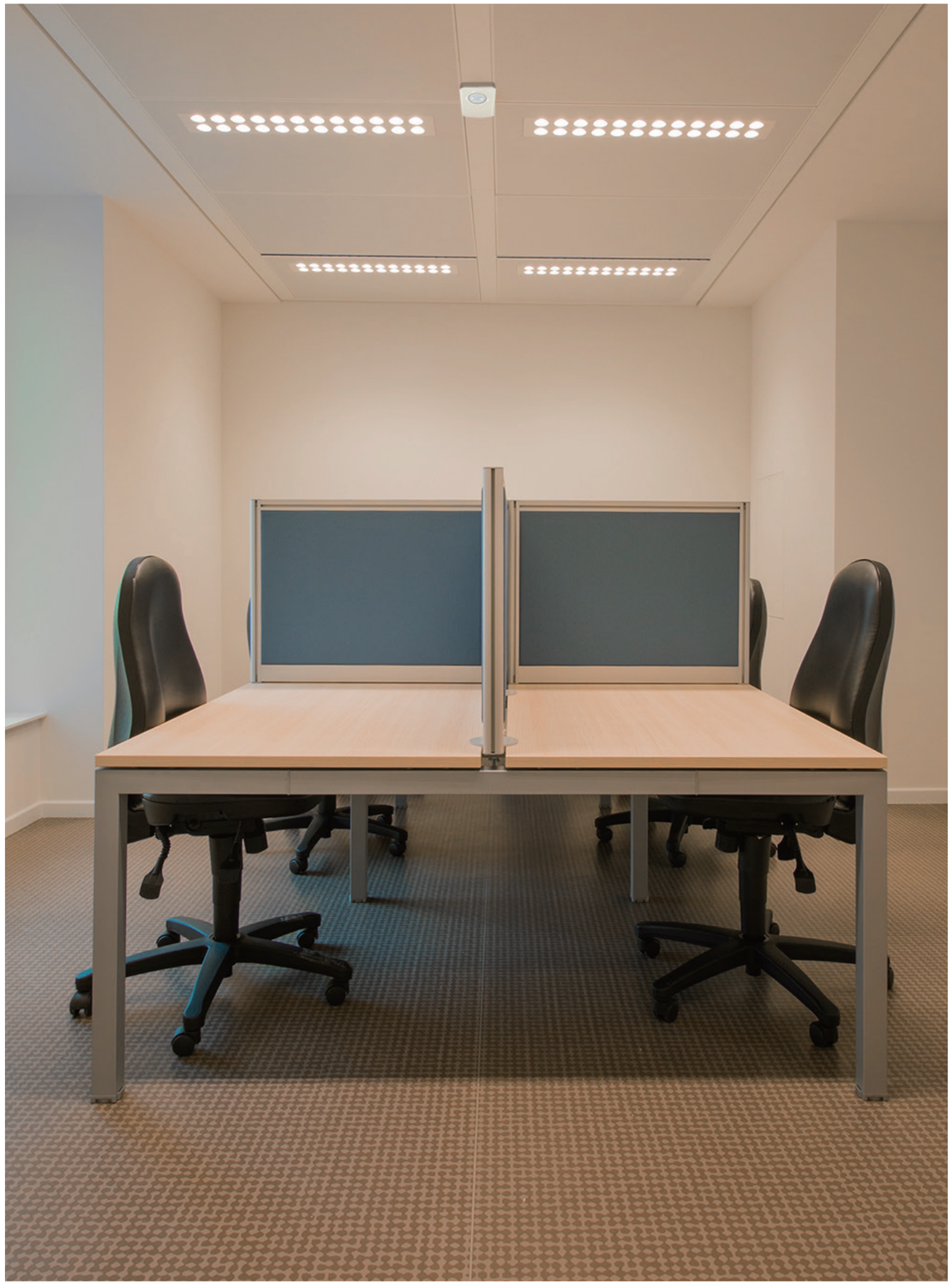
The Hotel Key Card Interface Modules enable power supply to indoor units to be integrated with hotel key card power supply management systems, which are designed to save energy by only running appliances whilst guests are present in their room.

Features

Model	MD-NIM05/E	MD-NIM05B/E
Appearance		
Network flexibility		
Auto restart	●	●
Compatiblity	Remote and wired controller	Remote and wired controller
Dimensions (H×W×D) (mm)	15.5×86×72.8	87×150×70
Power supply	5V DC (Supplied by indoor unit)	1 phase, 100-240V, 50/60Hz

Note : The Hotel Key Card Interface Modules only compatible while using the infrared communication ports of wired Controllers.

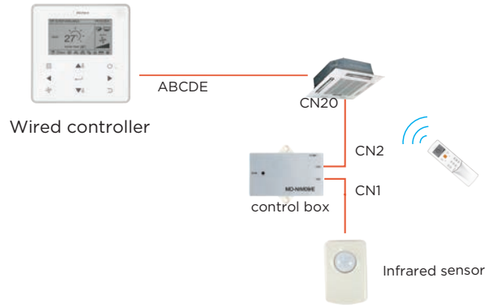
Infrared Sensor Controller



Full Integration

Using infrared sensors to detect movement, the MD-NIM09 Infrared Sensor Controller automatically turns indoor units on or off upon sensing that the room is occupied or unoccupied. Suitable for hotels, offices, conference rooms and residences, the Infrared Sensor Controller ensures climate control whilst minimizing energy consumption.

Features

Model	MD-NIM09
Appearance	 
Network flexibility	
Dimensions (H×W×D)(mm)	Sensor 46×30×25.6, Control box 86×72.8×15.5
Power supply	5V DC (Supplied by indoor unit)

Note : The Hotel Key Card Interface Modules only compatible while using the infrared communication ports of wired Controllers.

Diagnosis Software

Monitor and Diagnose

Midea's VRF Diagnosis Software tool is used to monitor VRF systems and diagnose system errors. System settings and operating parameters can be accessed easily and data logs can be reviewed for fault prevention purposes.

Features

Model		MCAC-DIAG-B
Max. number of indoor units		64
Max. number of refrigerant systems		1
Control	Mode selection	●
	Temperature setting	●
	Fan speed	●
Outdoor unit monitoring	Operating mode	●
	Capacity	●
	Compressor operating frequency	●
	Operating current	●
	Error status	●
	Temperatures	T3,T4,Tp (See note 1)
	Valve statuses	SV4, SV5, SV6, ST1 (See note 2)
	EXV position	●
Indoor unit monitoring	Operating mode	●
	Capacity	●
	Fan speed	●
	Address	●
	Temperatures	T1, T2, T2B, TS (See note 3)
	EXV position	●
Error codes		●
Toubleshooting		●
Data logs		●
Diagrams		System schematic, refregetrant flow diagram, parameter chart
Languages supported		English

Notes:
1. Heat exchanger temperature, outdoor ambient temperature, discharge temperature.
2. Oil return valve, defrosting valve, EXV bypass valve, four-way valve.
3. Indoor ambient temperature, indoor heat exchanger mid-point temperature, indoor heat exchanger outlet temperature, set temperature.

Expert Diagnosis

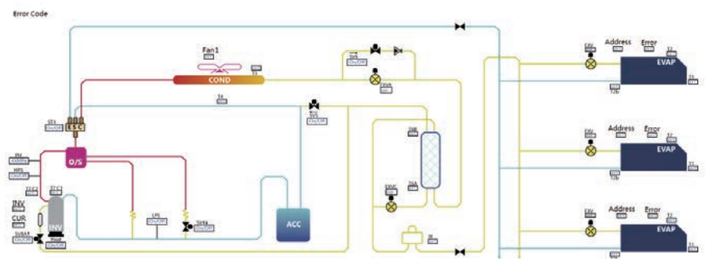
Midea's VRF Diagnosis Software is specially designed to allow after-sales engineers, to understand the operating status of the system at a glance.

Use-friendly Interface

A stylish and simple interface with rich graphical representations makes diagnosing system issues quick and convenient.

Diagrams

A system schematic, refregetrant flow diagram and parameter chart can be generated to provide a graphical interpretation of the system status.



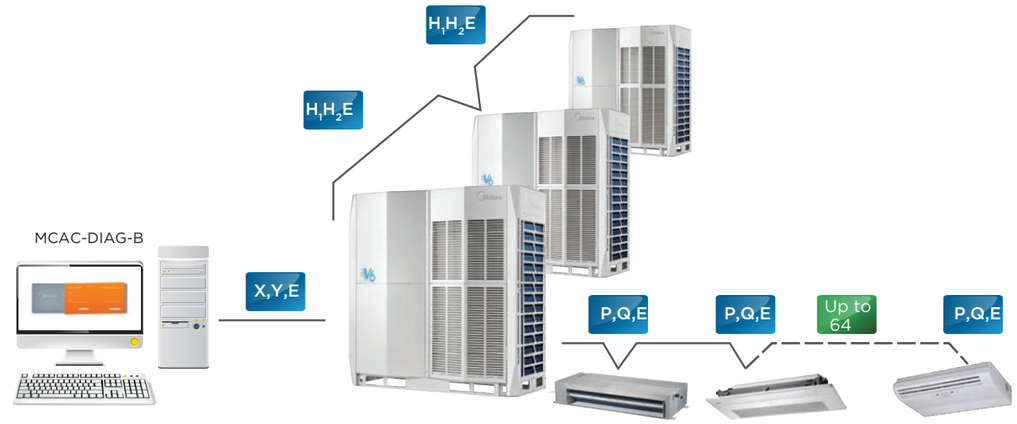
Parameter Querying

Access all the system parameters easily.

Data Logs

Data logs including operating records and error reports are saved by the software which is useful for discovering system issues.

Wiring Schematic



VRF AHU Control Box

High Efficiency

AHU Control Box facilitates raising the EER/COP of the complete AHU system.

Wide Capacity Range

Four Control Box can be used in parallel, giving an overall capacity range of 3.2HP to 80HP.

AHUKZ-01B

3.2-6HP

AHUKZ-02B

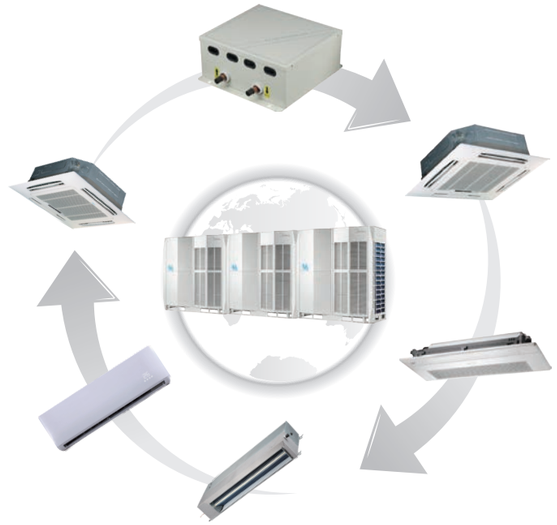
8-12HP

AHUKZ-03B

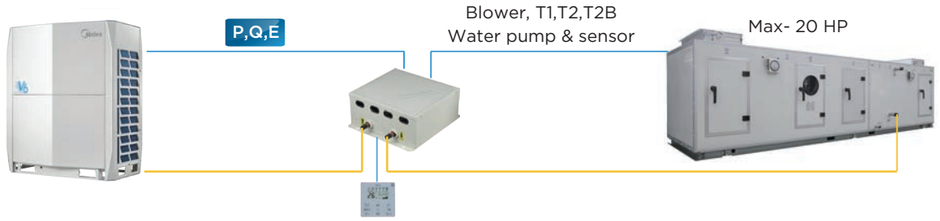
14-20HP

Compatible with All VRF Systems

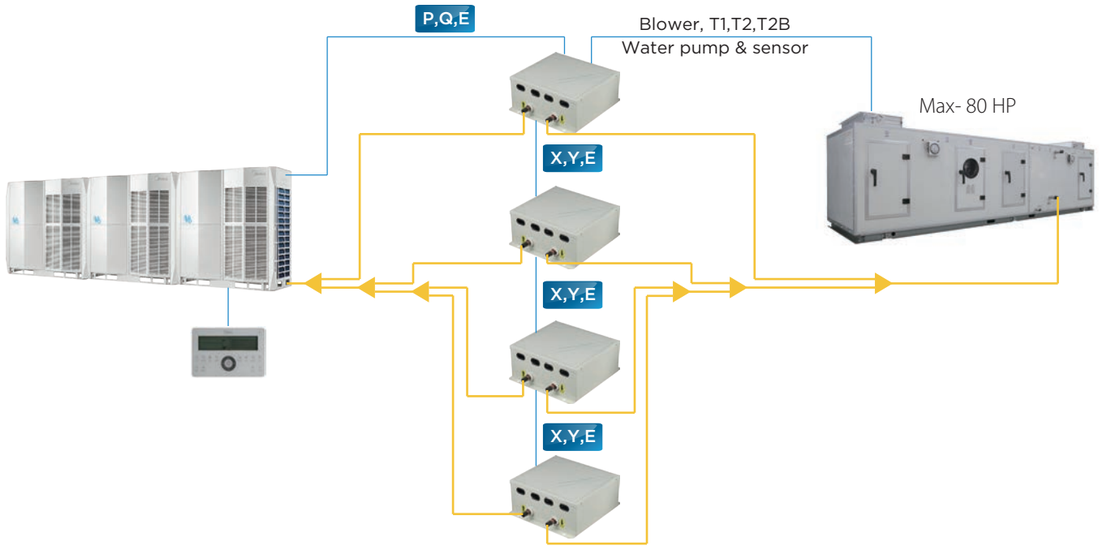
AHU Control Box are compatible with all Midea VRF outdoor units and can be used together with all types of Midea VRF indoor units.



Single AHU Control Box Connection



Multi AHU Control Boxes Connection



Specifications

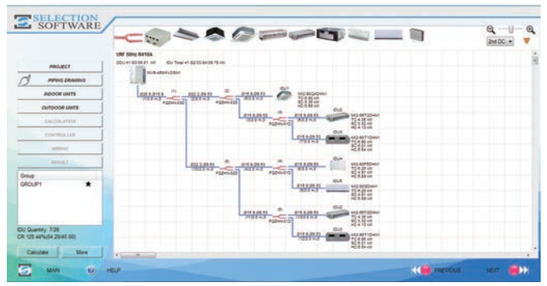
Model		AHUKZ-01B	AHUKZ-02B	AHUKZ-03B
Capacity	HP	3.2-6	8-12	14-20
Power supply		1 phase, 220-240V, 50Hz; 1 phase, 208-230V, 60Hz		
Refrigerant			R410A	
Pipe connections (inlet and outlet)	mm	Φ8	Φ12.7	Φ15.9
Net dimensions (W×H×D)	mm	350×150×375		
Packed dimensions (W×H×D)	mm	420×240×490		
Net weight	kg	8.4	8.7	8.9
Gross weight	kg	11.4	11.7	11.9
Operating modes		Cooling, heating and fan only		
Standard controller		Wired controller		
Optional controller		Wireless remote controller; SIEMENS controller		

Selection Software

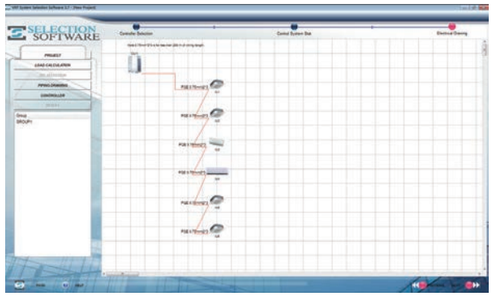
High Efficiency

Midea's advanced design automation tool can be used by designers, consultants and distributors to greatly reduce the time and effort that must be devoted to the selection process. The software provides quick and convenient selectable options for users, supports multiple languages, and greatly improves the selection process.

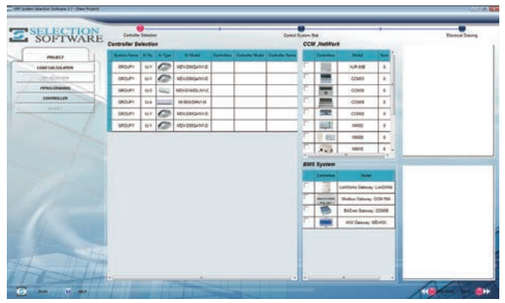
The Selection Software provides distributors' sales team with a comprehensive selection of system design reports and calculations. Based on the indoor units, outdoor units and controllers selected, the software produces detailed system layout diagrams and piping requirement calculations.



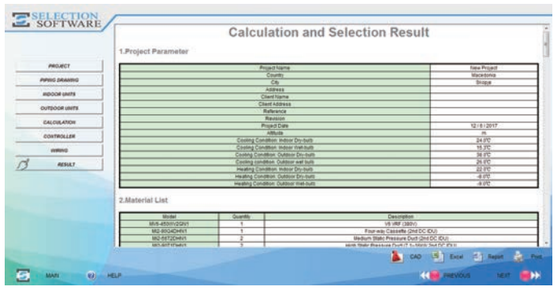
Piping diagram



Wiring diagram



Controller selection



Report

HEAT RECOVERY VENTILATOR

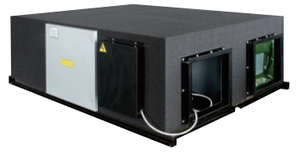
Fan Motor Options

AC and DC fan versions available.

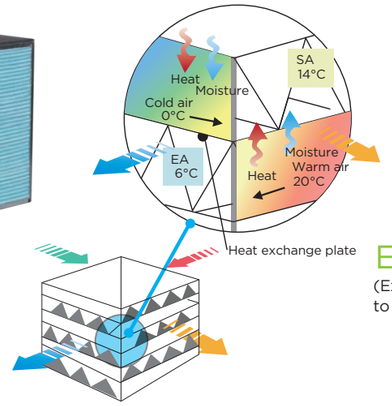
Enhanced Efficiency

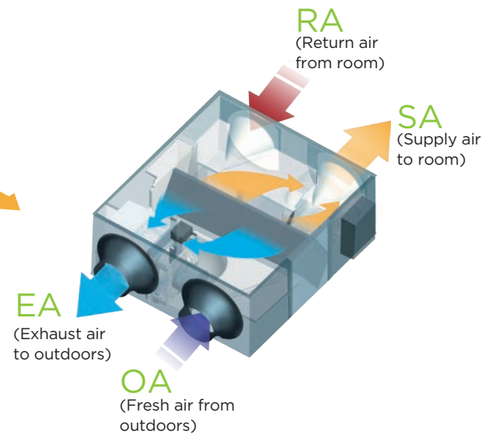
The Midea heat recovery ventilator (HRV) can greatly reduce energy losses and room temperature fluctuations caused by the ventilation process. The Midea HRV's strong performance is a result of the advanced technology incorporated into its design. The heat exchanger core is made of specially treated paper which gives enhanced temperature and humidity control. Temperature exchange efficiency is over 65% and enthalpy exchange efficiency is 50-65%.

HRV-200 HRV-500
HRV-300 HRV-800
HRV-400 HRV-1000



HRV-1500
HRV-2000



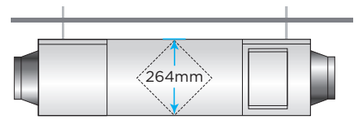


Low Noise

Soundproofing is used to guarantee quiet operation.

Flexibility

Heights starting from as little as 264mm and weights from as little as 23kg mean that the Midea HRV can be easily installed even where space is limited.



Multiple Modes

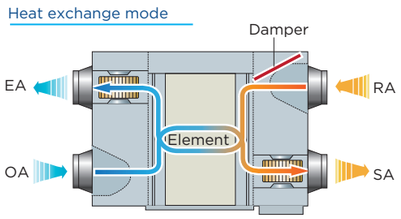
Heat exchange mode
The flows of incoming and outgoing air pass close to each other, allowing heat transfer between the two channels. During summer, incoming air is cooled by the indoor air being exhausted and in winter, incoming air is warmed.

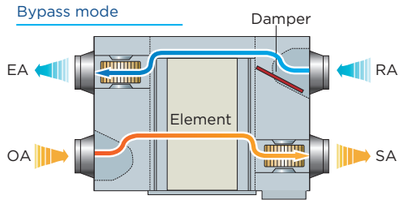
Bypass mode
In mild climates or seasons, where temperature and humidity differences between indoors and outdoors are small, the HRV can work as a conventional ventilation fan. In standard bypass mode the supply and exhaust fans run at the same speed.

Air supply mode
Air supply mode is a form of bypass mode 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 a form of bypass mode 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.





Specifications

AC Series

Model		HRV-200	HRV-300	HRV-400	HRV-500
Power supply	V/Ph/Hz	220-240/1/50		220-240/1/50 & 220/1/60	
Cooling temp. exchange efficiency (H/M/L)	%	55/55/60	55/55/60	55/55/60	55/55/60
Cooling enthalpy exchange efficiency (H/M/L)	%	50/50/55	50/50/55	50/50/55	50/50/55
Heating temp. exchange efficiency (H/M/L)	%	60/60/65	60/60/65	60/60/65	65/65/70
Heating enthalpy exchange efficiency (H/M/L)	%	55/55/60	55/55/60	60/60/65	60/60/65
Sound pressure level in heat exchange mode (H/M/L)	dB(A)	27/26/20	30/29/23	32/31/25	35/34/28
Sound pressure level in bypass mode (H/M/L)	dB(A)	28/27/22	31/30/25	33/32/27	36/35/30
Airflow rate (H/M/L)	m^3/h	200/200/150	300/300/225	400/400/300	500/500/375
External static pressure (H/M/L)	Pa	75/58/35	75/60/40	80/65/43	80/68/45
Motor type		AC			
Duct diameter	mm	Φ144	Φ144	Φ144	Φ194
Net dimensions (WxDxH)	mm	866×655×264	944×722×270	944×927×270	1038×1026×270
Packed dimensions (WxDxH)	mm	960×770×445	1020×810×452	1020×1020×452	1120×1120×452
Net weight	kg	23	26	31	41
Gross weight	kg	40	44	52	64
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Model		HRV-800	HRV-1000	HRV-1500	HRV-2000
Power supply	V/Ph/Hz	220-240/1/50 & 220/1/60		380-415/3/50 & 220/3/60	
Cooling temp. exchange efficiency (H/M/L)	%	55/55/60	55/55/60	55	55
Cooling enthalpy exchange efficiency (H/M/L)	%	50/50/55	50/50/55	50	50
Heating temp. exchange efficiency (H/M/L)	%	65/65/70	65/65/70	65	65
Heating enthalpy exchange efficiency (H/M/L)	%	60/60/65	60/60/65	60	60
Sound pressure level in heat exchange mode (H/M/L)	dB(A)	39/38/32	40/39/33	51	53
Sound pressure level in bypass mode (H/M/L)	dB(A)	40/39/34	41/40/35	52	54
Airflow rate (H/M/L)	m^3/h	800/800/600	1000/1000/750	1500	2000
External static pressure (H/M/L)	Pa	100/82/54	100/85/58	160	170
Motor type		AC			
Duct dimensions	mm	Φ242	Φ242	346×326	346×326
Net dimensions (WxDxH)	mm	1286×1006×388	1286×1256×388	1600×1270×540	1650×1470×540
Packed dimensions (WxDxH)	mm	1380×1100×573	1400×1370×573	1710×1410×720	1760×1610×720
Net weight	kg	62	79	163	182
Gross weight	kg	88	110	224	247
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Note:
1. Models HRV-200 to HRV-1000 each have have 3 airflow settings; the airflow rates of the HRV-1500 and HRV-2000 are not adjustable.
2. Sound level is measured 1.4m below the center of the unit in an semi-anechoic chamber.
3. Efficiency is measured under the following conditions:
   Cooling: exhaust air temp 27°C DB, 19.5°C WB; fresh air temp. 35°C DB, 28°C WB.
   Heating: exhaust air temp 21°C DB, 13°C WB; fresh air temp. 5°C DB, 2°C WB.

Specifications

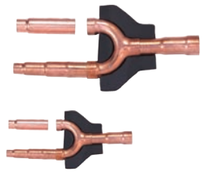
DC Series

Model		HRV-D200	HRV-D300	HRV-D400	HRV-D500
Power supply	V/Ph/Hz	220-240/1/50(60)			
Cooling temp. exchange efficiency	%	76.1	74.8	76.2	76.1
Cooling enthalpy exchange efficiency	%	77.3	76.1	78.7	78.2
Heating temp. exchange efficiency	%	76.1	74.8	76.2	76.1
Heating enthalpy exchange efficiency	%	82.6	79.8	83.6	80.4
Sound pressure level	dB(A)	27	30	32	35
Airflow rate	m^3/h	200	300	400	500
External static pressure	Pa	75	75	80	80
Motor type		DC			
Duct diameter	mm	Φ144	Φ144	Φ144	Φ194
Net dimensions (WxDxH)	mm	852×665×264	928×734×270	928×940×270	1020×1036×270
Packed dimensions (WxDxH)	mm	910×710×430	980×774×435	1010×1010×440	1120×1120×452
Net weight	kg	25	27	32	35
Gross weight	kg	37	40	46	51
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

Model		HRV-D800	HRV-D1000	HRV-D1500	HRV-D2000
Power supply	V/Ph/Hz	220-240/1/50(60)			
Cooling temp. exchange efficiency	%	76.9	75.8	77.8	77.2
Cooling enthalpy exchange efficiency	%	78.1	76.9	79.2	78.7
Heating temp. exchange efficiency	%	76.9	75.8	77.8	77.2
Heating enthalpy exchange efficiency	%	80.1	78.6	80.5	80.3
Sound pressure level	dB(A)	39	40	51	53
Airflow rate	m^3/h	800	1000	1500	2000
External static pressure	Pa	100	100	160	170
Motor type		DC			
Duct dimensions	mm	Φ242	Φ242	346×326	346×326
Net dimensions (WxDxH)	mm	1276×1020×388	1276×1269×388	1600×1270×540	1650×1470×540
Packed dimensions (WxDxH)	mm	1355×1045×560	1400×1370×573	1710×1410×720	1760×1610×720
Net weight	kg	58	69	151	165
Gross weight	kg	77	90	184	198
Operating temperature range	°C	-7 to 43 DB, RH 80% or lower			

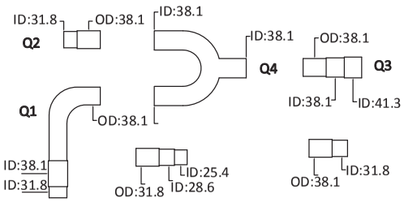
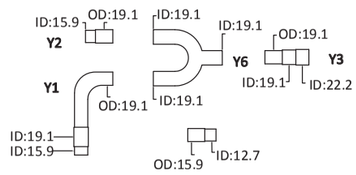
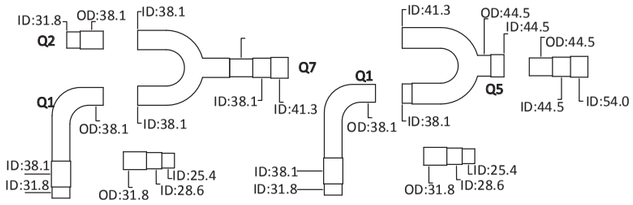
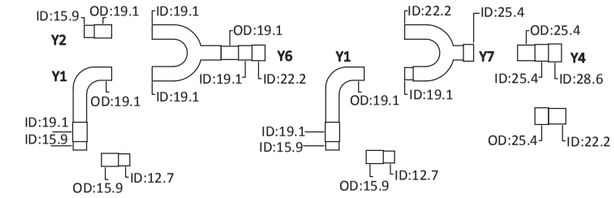
Note:
1. All models each have have 3 airflow setting.
2. Sound level is measured 1.4m below the center of the unit in an semi-anechoic chamber.
3. Efficiency is measured under the following conditions:
   Cooling: exhaust air temp 27°C DB, 19.5°C WB; fresh air temp. 35°C DB, 28°C WB.
   Heating: exhaust air temp 21°C DB, 13°C WB; fresh air temp. 5°C DB, 2°C WB.

BRANCH JOINTS

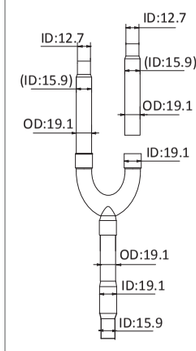
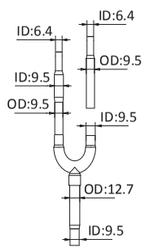
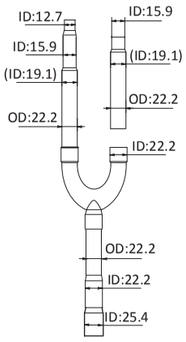
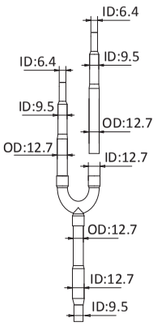
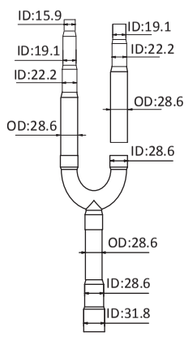
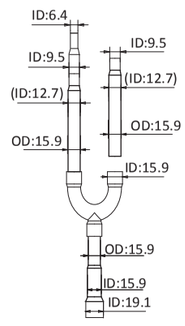
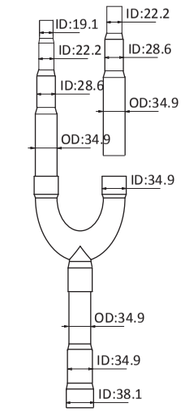
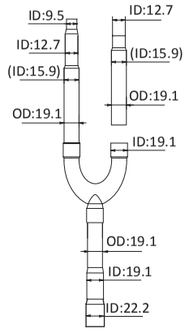
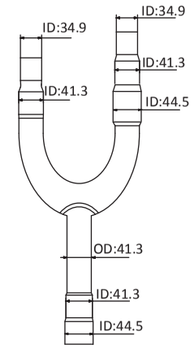
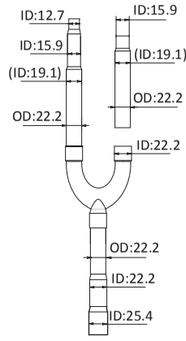
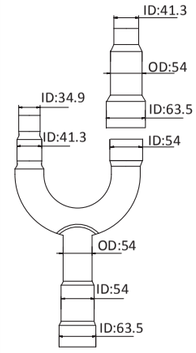
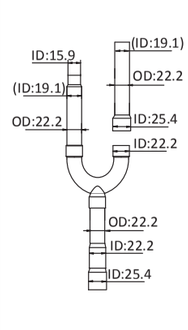
Type	Appearance	Model	Packed Dimensions mm	Gross Weight kg	Note
Branch joints for outdoor units		FQZHW-02N1E	255×150×185	2.0	Connecting two outdoor units
		FQZHW-03N1E	345×160×285	4.3	Connecting three outdoor units
Branch joints for indoor units		FQZHN-01D	290×105×100	0.4	/
		FQZHN-02D	290×105×100	0.6	/
		FQZHN-03D	310×130×125	0.9	/
		FQZHN-04D	350×180×170	1.5	/
		FQZHN-05D	365×195×215	1.9	/
		FQZHN-06D	390×230×255	3.1	/
		FQZHN-07D	390×230×255	3.4	/

Dimensions

Outdoor Branch Joints

Model	Gas side joints	Liquid side joints
FQZHW-02N1E		
FQZHW-03N1E		

Indoor Branch Joints

Model	Gas side joints	Liquid side joints
FQZHN-01D		
FQZHN-02D		
FQZHN-03D		
FQZHN-04D		
FQZHN-05D		
FQZHN-06D		
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