



HVAC & Building Technologies Division
Midea Group

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hbt.midea.com www.midea-group.com



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

Midea Fan Coil Units

AC FCU / DC FCU

Midea HBT

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



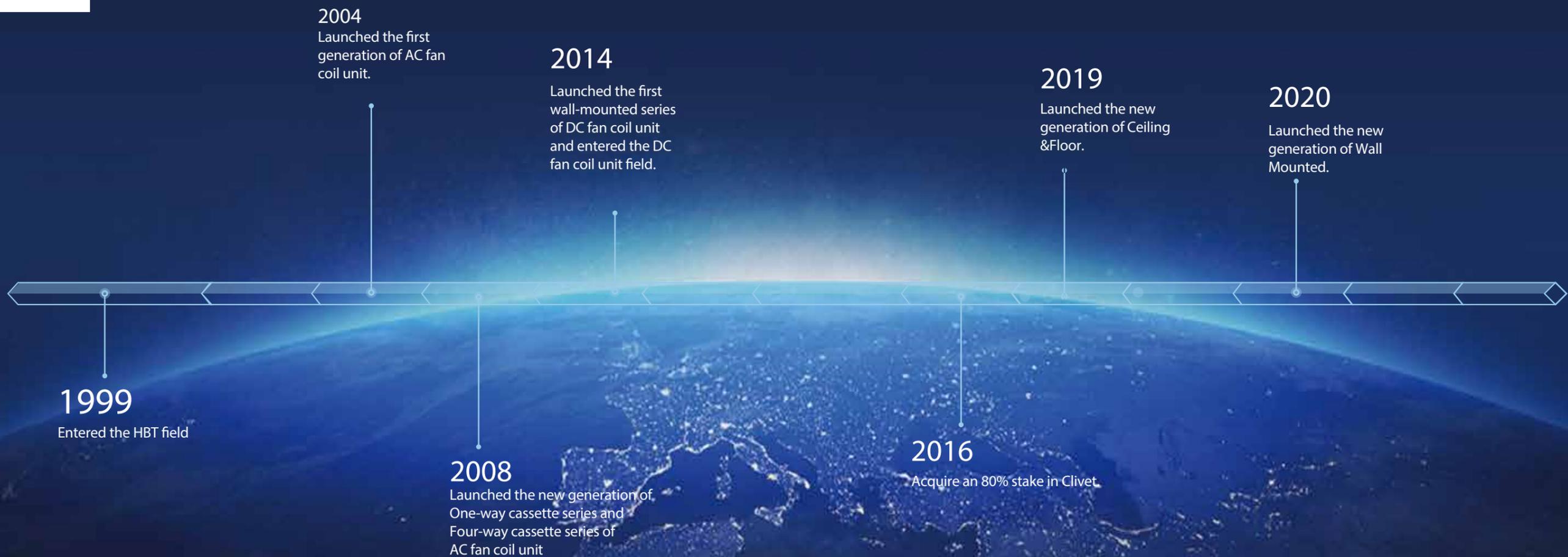
Several production bases are situated on Shunde, Chongqing, Hefei, and Italy.

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

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

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

Clivet S.p.A: 50,000m2 workshop in Feltre and Verona, covering products such as ELFO system, hydronic, WHLP, packaged, split and close control and so on.





MHBT Learning Academy

Objective

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

Training Centers

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

1. Midea HBT Training Center

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

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

Products: VRF, M thermal

2. Chongqing Midea Training Center

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

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

Products: Centrifugal Chiller, Screw/Scroll Chiller and Terminals



VRF training

M thermal training

Chiller training

Global Technical Trainings

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

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

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

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

Products: VRF, M thermal, Chillers and Terminals

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

Training Certificates:

The attendees for Global trainings are provided a training certificate highlighting the courses discussed in the training, signed by Mr. Jason Zhao, General Manager of Midea HBT Overseas Sales Company.

Registration:

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



Midea Global Spare Center

The global spare center provides high quality and fast spare parts supply. Midea online system (<https://tsp.midea.com>) can query and purchase spare parts with one click, further shortening the supply time of spare parts.



- Regional Spare parts center
- Shared Spare parts inventory



Contents

- ▶ 13 AC Fan Coil Units
- ▶ 53 DC Fan Coil Units
- ▶ 88 Dimensions
- ▶ 99 Control Soltions

Introduction

Midea fan coil units are divided into ceiling exposed type, ceiling concealed type, wall-mounted type and floor-standing type according to their structure, design and installation method. The air volume ranges from 150CFM to 2200CFM (255m³/h~3740m³/h). It is a highly versatile product suitable for hospitals, office buildings, hotels, airports and various other applications.

Reference Projects

2018 Russia World Cup Stadiums Nizhny Novgorod Stadium

- City: Nizhny Novgorod
- Product: Water-cooled Screw Chiller; Fan Coil Units



2018 Russia World Cup Stadiums Volgograd Arena

- City: Volgograd
- Product: Water-cooled Screw Chiller; Fan Coil Units



The 27th Southeast Asian Games Stadium

- Country: Myanmar
- City: Nay Pyi Taw
- Outdoor Units: Water-cooled screw chiller
- Indoor Units: MAHU
- Total Capacity: 4,100RT



Beijing New International Airport

- Country: China
- City: Beijing
- Outdoor Units: Centrifugal chiller
- Indoor Units: FCU & MAHU
- Total Capacity: 10,000RT



Hilton Hotel in Foshan(Five Star)

- 🌐 Country: China
- 📍 City: Foshan
- 🏢 Outdoor Units: Centrifugal chiller & Water-cooled screw chiller
- 🏠 Indoor Units: FCU & AHU
- 📊 Total Capacity: 4,500RT



Top Glove in Malaysia

- 🌐 Country: Malaysia
- 📍 City: Klang
- 🏢 Outdoor Units: Water-cooled screw chiller
- 🏠 Indoor Units: FCU & AHU
- 📊 Total Capacity: 3,400RT



Major Platinum Cineplex Laos

- 🌐 Country: Laos
- 📍 City: Vientiane
- 🏢 Outdoor Units: Centrifugal chiller & Water-cooled screw chiller
- 🏠 Indoor Units: FCU & AHU
- 📊 Total Capacity: 2,000RT



The Prime Minister Office Building

- 🌐 Country: Tajikistan
- 📍 City: Dushanbe
- 🏢 Outdoor Units: Water-cooled screw chiller
- 🏠 Indoor Units: FCU & AHU
- 📊 Total Capacity: 2,880kW

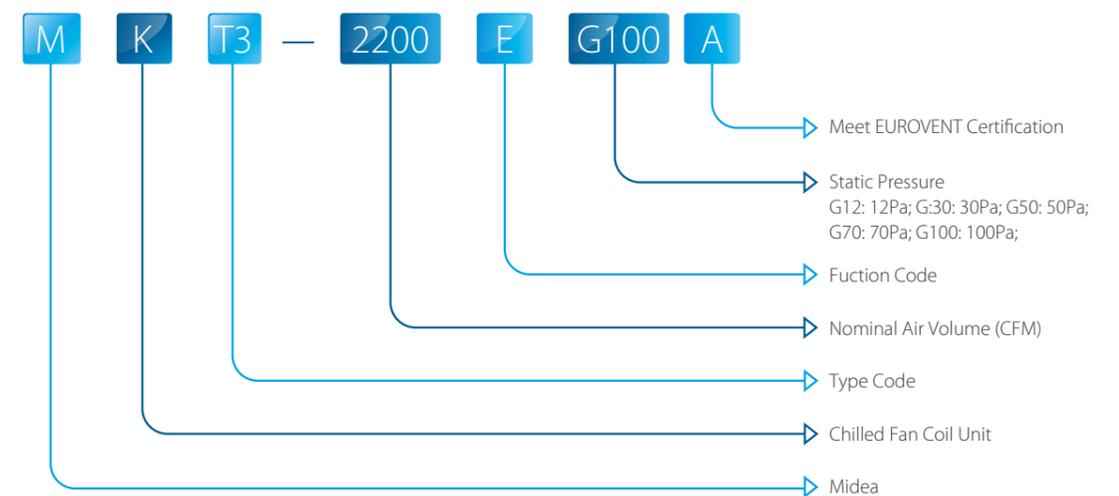




AC Fan Coil Units

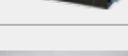
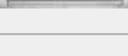
Midea Fan Coil Units have ceiling exposed type, ceiling concealed type, wall-mounted type and floor-standing type. The air volume ranges from 150CFM to 2200CFM. It is a highly versatile product suitable for hospitals, office buildings, hotels, airports and various other applications.

Nomenclature



Product Lineup

2-Pipe FCUs

Model		150	200	250	300	350	400	450	500	600		700	750	800	850	900	950	1000	1200	1400	1500	1600	1800	2000	2200
1-way cassette					⊙																				
4-way cassette										⊙		⊙		⊙		⊙		⊙			⊙				
Compact 4-way cassette					⊙		⊙		⊙																
Duct			⊙		⊙		⊙		⊙	⊙				⊙				⊙	⊙	⊙		⊙	⊙	⊙	
High static pressure Duct														⊙				⊙	⊙	⊙		⊙	⊙		⊙
Wall mounted				⊙	⊙		⊙		⊙	⊙															
2 nd generation Ceiling&floor		⊙		⊙		⊙			⊙			⊙		⊙											

4-Pipe FCUs

Model		100	150	200	250	300	350	400	450		500	600	700	750	800	850	900	950	1000	1200	1400	1500	
Compact 4-way cassette						⊙		⊙			⊙												
4-way cassette												⊙		⊙		⊙		⊙			⊙		⊙
Duct				⊙		⊙		⊙			⊙	⊙			⊙				⊙	⊙	⊙		
2 nd generation Ceiling&floor			⊙		⊙		⊙				⊙		⊙		⊙								

Notes:
The standard power supply for all fan coil units is 220V-240V/50Hz; 208-230V/60Hz can be customized for some series of fan coil units, for further information, please contact with our salesmen.

AC Series Functions

Functions			One-way Cassette	Compact Four-way Cassette	Four-way Cassette	Wall Mounted	2nd Generation Ceiling & Floor	Medium Static Pressure Duct	High Static Pressure Duct
Control Customization	Follow me	With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wireless remote controller.	○(KJR-29B)	○(KJR-29B)	○(KJR-29B)	○(KJR-29B)	×	×	×
	Anti cold air	Prevent the unit from cold supply air when starting in winter.	●	●	●	●	×	×	×
	Auto-restart	The unit restarts automatically with the previous settings after power failure.	●	●	●	●	×	×	×
	Forced fan running	After reaching the set temperature, the valve body closes and the fan operates according to the set logic.	○	√	√	√	×	×	×
	Heat	Only electric auxiliary heating.	×	√	√	√	×	×	×
	Temperature compensation	Heating mode: $T_2=T_1+\Delta T$; Cooling mode: $T_2=T_1-\Delta T$ T2: Indoor Temperature, T1: Setting Temperature, ΔT : Temperature Compensation	○	√	√	√	×	×	×
	XYE Port	Communicate with central controllers or BMS.	○(NIM-01)	●	●	●	○(FCU-kit)	○(FCU-kit)	○(FCU-kit)
	PQE Port	Communicate with Modbus.	×	○	○	○	×	×	×
	CCM18/CCM08/CCM15/BMS/IMM	Central controllers and BMS.	○	●	●	●	○(FCU-kit)	○(FCU-kit)	○(FCU-kit)
	0-10V output control	By outputting a 0-10 V level, the opening of the valve body is controlled to meet different energy requirements.	×	○	○	○	×	×	×
0-10V input control	By inputting a 0-10 V level to PCB, the fan motor speed is controlled to meet different energy requirements.	×	×	×	×	×	×	×	
Structure Customization	Right/Left piping connection	Left and right hand piping connections are optional, flexible installation.	×	×	×	×	●	●	●
	Electric auxiliary heating	Increase heating capacity with additional electric heater.	×	○	○	○	×	○	○
	Extended drainage pan	Drainage pan accessory.	×	×	×	×	×	○	×
	Auxiliary drainage pan		×	○	○	×	○	○	×

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

One-way Cassette



Model: 300 CFM



RM05 Standard



KJR-75A Optional

Features

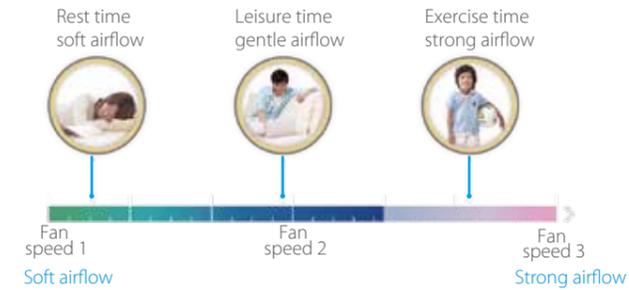
- The central controllers can be connected through the customized Network Module MD-NIM01.
- Remote on/off function can be applied to turn on/off the unit.
- Wired controller KJR-75A is optional.
- Compact design, ultra slim body with a minimum thickness of 153mm.
- Standard built-in drain pump with 750mm pump head.

One way cassette has a compact size, it's suitable for application in narrow space such as the aisle, small office, elevator space etc.



Multiple Fan Speeds

The AC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



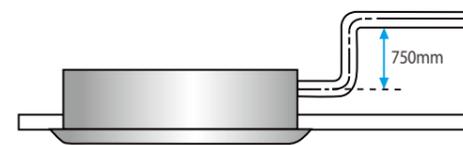
One Direction Air Flow

One direction air flow guarantees quick cooling, flexible installation positioning.



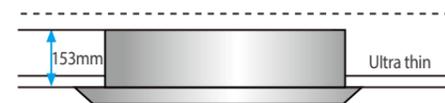
High-lift Pump

Standard built-in drain pump with 750mm pump head.



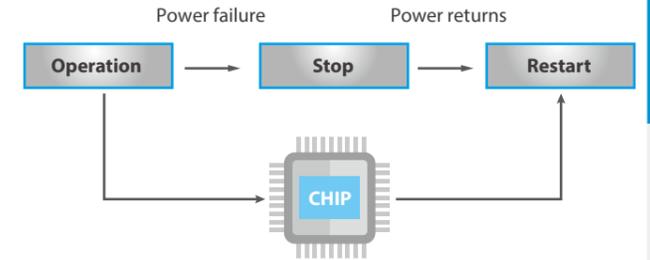
Minimum 153 mm thickness

Compact design, ultra slim body with a minimum thickness of 153mm, especially suitable for narrow ceiling, such as in lobbies and small meeting rooms.



Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to Midea central controllers or BMS through the customized network module MD-NIM01.

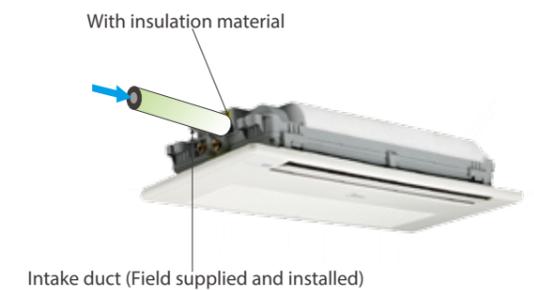


Fresh Air Intake

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

Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.

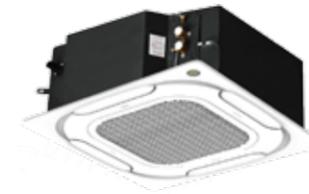


Model				MKC-300R-BA
Air flow		H/M/L	m ³ /h	472/360/297
		H/M/L	CFM	278/212/175
Cooling	Capacity	H/M/L	kW	2.55/1.96/1.63
	Water flow rate	H/M/L	m ³ /h	0.46/0.35/0.29
	Water pressure drop	H/M/L	kPa	14.3/8.7/6.3
	Power input	H/M/L	W	45/42/41
Heating	Capacity	H/M/L	kW	3.1/2.62/2.26
	Water flow rate	H/M/L	m ³ /h	0.56/0.47/0.41
	Water pressure drop	H/M/L	kPa	18/13.2/9.9
	Power input	H/M/L	W	37/34/33
Power supply		V/Ph/Hz	220-240/1/50	
Current Input		H	A	0.15
Sound power level		H/M/L	dB(A)	58/53/49
Fan motor	Type	Low noise 3-speed fan motor		
	Quantity	1		
Fan	Type	Cross fan		
	Quantity	1		
Coil	Row	2		
	Max. Working pressure		MPa	1.6
	Diameter		mm	Ø7
Panel	Dimensions	WxHxD	mm	1180x25x465
	Packing	WxHxD	mm	1232x107x517
	Net weight		kg	3.5
	Gross weight		kg	5.2
Body	Dimensions	WxHxD	mm	1054x155x428
	Net weight	* /A	kg	12.8/13.1
	Packing	WxHxD	mm	1155x245x490
	Gross weight	* /A	kg	16.6/17.1
Pipe connection	Water inlet/outlet pipe		inch	G1/2
	Drain pipe		mm	ODØ25

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.

Four-way Cassette



Model: 600/750/850/950/1200/1500 CFM

R05
StandardKJR-29B
Optional

Features

- 4-way air supply panel as standard, new 360° air supply panel is optional.
- Fresh air intake, also supply to side room.
- Built-in PCB and drain pump with pump head-750mm.
- Remote controller with LED display is standard, wired controller is optional.
- Safety grill for safety maintenance.
- Optional extended drainage pan for protecting your ceiling better.
- Compatible with 0-10V output function(customized).
- Available for 2/4 pipe system
- EAH is optional (for 2-Pipe 4-Way Cassette).

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



Stylish Panel with Large Airflow Outlet

4-way air supply panel is standard for 4-way cassette.
360° air supply panel is optional for 4-way cassette.



NEW 360° panel

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



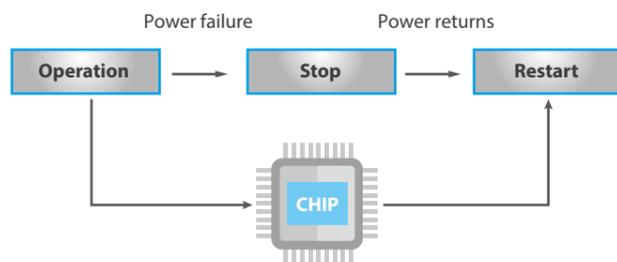
Individual louver control

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



Auto restart

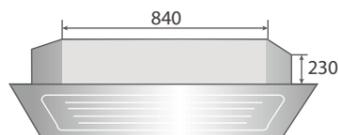
In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Various Selections

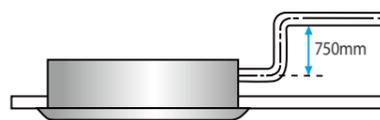
Versions for normal size.

The height of models 600 to 750 is just 230mm whilst models 850 to 1500 is 300mm, making the Four-way Cassette ideal for standard ceilings.



High-lift Drain Pump

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

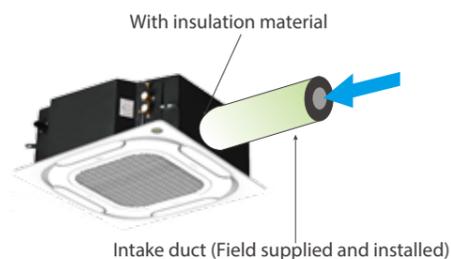


Fresh Air Intake

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

Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.



Control solutions

The fan coil units can be connected to Midea central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



2-Pipe 4-Way Cassette

Model		MKA-600RA	MKA-750RA	MKA-850RA
Power supply	V/ph/Hz	220-240/1/50		
Air flow (H/M/L)	m³/h	1017/807/639	1241/977/810	1433/1100/946
	CFM	598/475/376	730/575/477	843/647/556
Cooling	Capacity (H/M/L)	5.26/4.44/3.68	5.58/4.87/4.09	5.87/5.64/5.52
	Water flow rate(H/M/L)	0.95/0.8/0.66	1/0.88/0.74	1.06/1.02/0.99
	Water pressure drop(H/M/L)	29.9/17.9/13	30/20.1/15	35/34.2/17.6
Heating	Capacity (H/M/L)	6.07/5.16/4.38	6.67/5.9/5.03	7.64/6.45/5.84
	Water flow rate(H/M/L)	1.1/0.94/0.8	1.21/1.07/0.91	1.39/1.17/1.06
	Water pressure drop(H/M/L)	28.4/21.4/19.9	37.2/23.4/18	28.3/22.8/18.9
Power input (H/M/L)	W	130/95/68	140/121/108	143/140/120
Electric heater (AEH)	W	2100	2100	2850
Sound Power level (H/M/L)	dB(A)	56/51/45	58/54/48	64/58/56
Fan motor	Type	Low noise 3-speed fan motor		
	Quantity	1	1	1
Fan	Type	Centrifugal, forward-curved blades		
	Quantity	1	1	1
Coil	Row	2	2	2
	Max. working pressure	MPa	1.6	1.6
	Diameter	mm	Φ7	Φ7
Panel	Net dimensions (WxHxD)	mm	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035
	Net weight	kg	6	6
	Gross weight	kg	9	9
Body	Net dimensions (WxHxD)	mm	840x230x840	840x230x840
	Packing size (WxHxD)	mm	900x260x900	900x260x900
	Net weight (non-AEH/with-AEH)	kg	25/27	25/27
	Gross weight (non-AEH/with-AEH)	kg	30/32	30/32
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4
	Drain pipe	mm	ODΦ32	ODΦ32

Model		MKA-950RA	MKA-1200RA	MKA-1500RA
Power supply	V/ph/Hz	220-240/1/50		
Air flow (H/M/L)	m³/h	1562/1183/1013	1606/1276/1059	1690/1324/1091
	CFM	919/696/596	945/751/623	994/779/642
Cooling	Capacity (H/M/L)	6.09/6.21/5.78	7.07/6.38/6.02	9.68/6.77/5.99
	Water flow rate(H/M/L)	1.1/1.12/1.04	1.27/1.15/1.08	1.74/1.22/1.27
	Water pressure drop(H/M/L)	45/45/45	40/27.2/25	40/27.2/25
Heating	Capacity (H/M/L)	7.92/7.35/6.63	8.02/7.55/6.76	10.96/8.9/7.84
	Water flow rate(H/M/L)	1.44/1.34/1.21	1.46/1.37/1.23	1.99/1.62/1.42
	Water pressure drop(H/M/L)	31.7/26.2/22.1	45/45/45	50/35/25
Power input (H/M/L)	W	190/160/130	183/159/146	219/150/123
Electric heater (AEH)	W	2850	2850	/
Sound Power level (H/M/L)	dB(A)	65/63/57	72/64/60	65/58/54
Fan motor	Type	Low noise 3-speed fan motor		
	Quantity	1	1	1
Fan	Type	Centrifugal, forward-curved blades		
	Quantity	1	1	1
Coil	Row	2	2	3
	Max. working pressure	MPa	1.6	1.6
	Diameter	mm	Φ7	Φ7
Panel	Net dimensions (WxHxD)	mm	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035
	Net weight	kg	6	6
	Gross weight	kg	9	9
Body	Net dimensions (WxHxD)	mm	840x300x840	840x300x840
	Packing size (WxHxD)	mm	900x330x900	900x330x900
	Net weight (non-AEH/with-AEH)	kg	30.5/33	30.5/33
	Gross weight (non-AEH/with-AEH)	kg	36.2/39	36.2/39
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4
	Drain pipe	mm	ODΦ32	ODΦ32

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB. Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.
4. Electric heater is optional.

Model			MKA-600FA	MKA-750FA	MKA-850FA	
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m ³ /h	1123/749/587	1249/853/671	1304/1041/934	
		CFM	661/441/345	735/502/395	767/612/549	
Cooling	Capacity (H/M/L)	kW	4.14/3.63/2.97	4.43/3.72/3.07	4.73/3.97/3.61	
	Water flow rate(H/M/L)	m ³ /h	0.74/0.65/0.53	0.8/0.67/0.55	0.85/0.71/0.65	
	Water pressure drop(H/M/L)	kPa	20/13/10	20.4/15/15	25/20/15	
Heating	Capacity (H/M/L)	kW	5.99/4.56/3.77	6.14/4.64/3.93	6.21/5.2/4.8	
	Water flow rate(H/M/L)	m ³ /h	0.55/0.42/0.35	0.56/0.43/0.36	0.57/0.48/0.44	
	Water pressure drop(H/M/L)	kPa	25/20/16	40/25/20	45/35/28.1	
Power input (H/M/L)		W	124/89/68	172/86/63	187/161/144	
Sound power level (H/M/L)		dB(A)	56/45/43	63/51/45	64/52/51	
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1				
Coil	Row	2				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Φ7			
	Net dimensions (W×H×D)	mm	950×45×950			
Panel	Packing size (W×H×D)	mm	1035×90×1035			
	Net weight	kg	6			
	Gross weight	kg	9			
Body	Net dimensions (W×H×D)	mm	840×300×840			
	Packing size (W×H×D)	mm	900×330×900			
	Net weight	kg	35			
	Gross weight	kg	41			
Pipe connections	Water inlet/outlet pipe	inch	Cold water: RC3/4; Hot water: RC1/2			
	Drain pipe	mm	ODΦ32			

Model			MKA-950FA	MKA-1200FA	MKA-1500FA	
Power supply		V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)		m ³ /h	1339/1112/1001	1618/1359/1053	1681/1457/1117	
		CFM	787/654/589	952/800/620	989/857/657	
Cooling	Capacity (H/M/L)	kW	4.96/4.25/3.88	7.32/6.36/5.48	8.86/7.29/6.37	
	Water flow rate(H/M/L)	m ³ /h	0.89/0.76/0.7	1.32/1.14/0.99	1.6/1.31/1.15	
	Water pressure drop(H/M/L)	kPa	35/20/15	40/35/30	45.2/35/29.5	
Heating	Capacity (H/M/L)	kW	6.5/5.34/4.96	8.76/7.76/6.98	10.34/7.91/7.5	
	Water flow rate(H/M/L)	m ³ /h	0.6/0.49/0.46	0.8/0.71/0.64	0.95/0.73/0.69	
	Water pressure drop(H/M/L)	kPa	43.9/33.6/29.4	52.9/42.4/36	53.4/40.9/33.7	
Power input (H/M/L)		W	190/155/141	197/155/130	267/231/184	
Sound power level (H/M/L)		dB(A)	65/56/52	67/59/54	69/59/52	
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1				
Coil	Row	2				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Φ7			
	Net dimensions (W×H×D)	mm	950×45×950			
Panel	Packing size (W×H×D)	mm	1035×90×1035			
	Net weight	kg	6			
	Gross weight	kg	9			
Body	Net dimensions (W×H×D)	mm	840×300×840			
	Packing size (W×H×D)	mm	900×330×900			
	Net weight	kg	35			
	Gross weight	kg	41			
Pipe connections	Water inlet/outlet pipe	inch	Cold water: RC3/4; Hot water: RC1/2			
	Drain pipe	mm	ODΦ32			

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.

Compact Four-way Cassette



Model: 300/400/500 CFM

R51
StandardKJR-29B
Optional

Features

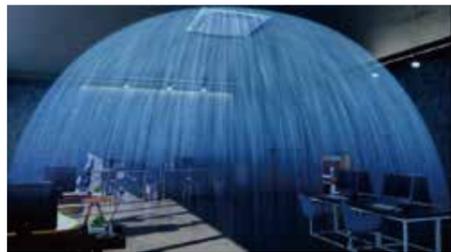
- 360° air supply panel is standard.
- Fresh air intake, also supply to side room.
- Built-in PCB and drain pump with pump head-500mm.
- Remote controller with LED display is standard, wired controller is optional.
- Safety grill for safety maintenance.
- Optional extended drainage pan for protecting your ceiling better.
- Compatible with 0-10V output function(customized).
- Available for 2/4 pipe system.
- EAH is optional (for 2-Pipe Compact 4-Way Cassette).

Compact design allows installation in shallow ceilings.



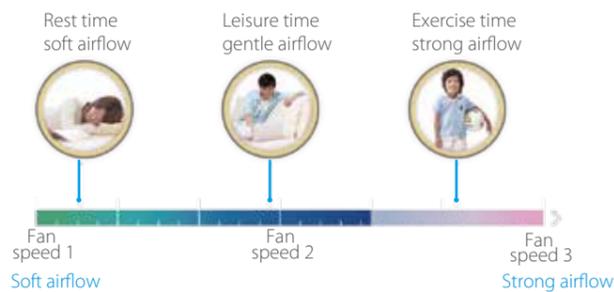
360 ° Airflow

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



Multiple Fan Speeds

The AC Series comes with 3 fan speed option to meet the needs of different indoor conditions.

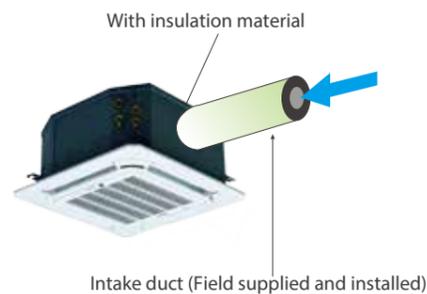


Fresh Air Intake

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

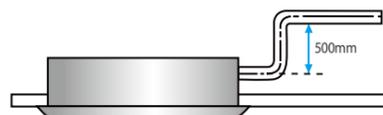
Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.



High-lift Drain Pump

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



2-Pipe Compact 4-Way Cassette

Model		MKD-300A	MKD-400A	MKD-500A	
Power supply	V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	478/375/283	625/499/392	756/535/423	
	CFM	281/221/167	368/294/231	445/315/249	
Cooling	Capacity (H/M/L)	2.5/2.02/1.61	3.09/2.52/2.08	4.06/3.2/2.52	
	Water flow rate(H/M/L)	L/h	0.45/0.36/0.29	0.56/0.45/0.37	0.73/0.58/0.45
	Water pressure drop(H/M/L)	kPa	15/15/10	15/15/10	20/15/10
Heating	Capacity (H/M/L)	2.92/2.41/1.9	3.59/2.98/2.51	4.57/3.48/2.73	
	Water flow rate(H/M/L)	m³/h	0.53/0.44/0.34	0.65/0.54/0.46	0.83/0.63/0.5
	Water pressure drop(H/M/L)	kPa	15.4/15/10	20/15/10	20/15/15
Power input (H/M/L)	W	50/40/32	70/52/40	92/56/41	
Auxiliary electric heater (AEH)	W	1000	1000	1000	
Sound power level (H/M/L)	dB(A)	54/47/41	59/52/46	63/56/48	
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1	1	1	
Coil	Row	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6
Panel	Diameter	mm	Ø7	Ø7	
	Net dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647
	Packing size (WxHxD)	mm	715x123x715	715x123x715	715x123x715
Body	Net weight	kg	2.5	2.5	
	Gross weight	kg	4.5	4.5	
	Net dimensions (WxHxD)	mm	575x261x575	575x261x575	575x261x575
Pipe connections	Packing size (WxHxD)	mm	670x290x670	670x290x670	670x290x670
	Net weight	kg	16.5	16.5	16.5
	Gross weight	kg	20	20	20
Pipe connections	Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4
	Drain pipe	mm	ODØ25	ODØ25	ODØ25

4-Pipe Compact 4-Way Cassette

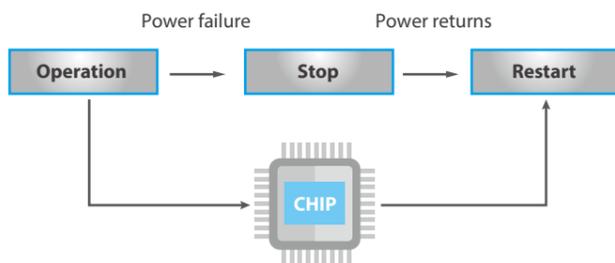
Model		MKD-300SA	MKD-400SA	MKD-500SA	
Power supply	V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	493/385/295	608/475/375	724/542/430	
	CFM	290/226/174	358/279/221	426/319/253	
Cooling	Capacity (H/M/L)	2.18/1.78/1.48	2.39/2.2/1.61	2.59/2.26/1.81	
	Water flow rate(H/M/L)	m³/h	0.39/0.32/0.27	0.43/0.4/0.29	0.47/0.41/0.33
	Water pressure drop(H/M/L)	kPa	25/20/20	20/20/13	25/20/15
Heating	Capacity (H/M/L)	2.91/2.42/1.97	3.5/2.91/2.43	3.96/3.17/2.73	
	Water flow rate(H/M/L)	m³/h	0.27/0.22/0.18	0.32/0.27/0.22	0.36/0.29/0.25
	Water pressure drop(H/M/L)	kPa	25/20/15	30/25/20	30/30/25
Power input (H/M/L)	W	50/40/32	70/50/35	93/56/41	
Sound power level (H/M/L)	dB(A)	54/47/41	59/52/46	63/56/48	
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1	1	1	
Coil	Row	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6
Panel	Diameter	mm	Ø7	Ø7	
	Net dimensions (WxHxD)	mm	647x50x647	647x50x647	647x50x647
	Packing size (WxHxD)	mm	715x123x715	715x123x715	715x123x715
Body	Net weight	kg	2.5	2.5	
	Gross weight	kg	4.5	4.5	
	Net dimensions (WxHxD)	mm	575x261x575	575x261x575	575x261x575
Pipe connections	Packing size (WxHxD)	mm	670x290x670	670x290x670	670x290x670
	Net weight	kg	16.5	16.5	16.5
	Gross weight	kg	20	20	20
Pipe connections	Water inlet/outlet pipe	inch	Cold water: G3/4; Hot water: G1/2		
	Drain pipe	mm	ODØ25	ODØ25	ODØ25

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB. Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.

Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to Midea centralized controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.

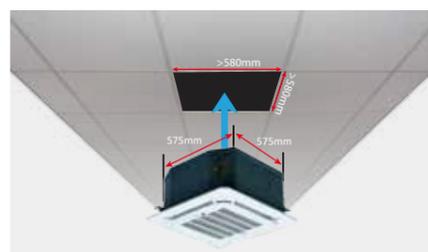


Compact design

The height of models 300 to 500 are just 261mm, making the Compact Four-way Cassette idea for standard ceilings.



Compact Four-way Cassette body dimension is only 575 mm x 575 mm which can easily fits into less to 585 mm ceiling grid.



Duct series



Model: 200/300/400/600/800/1000/1200/1400 CFM



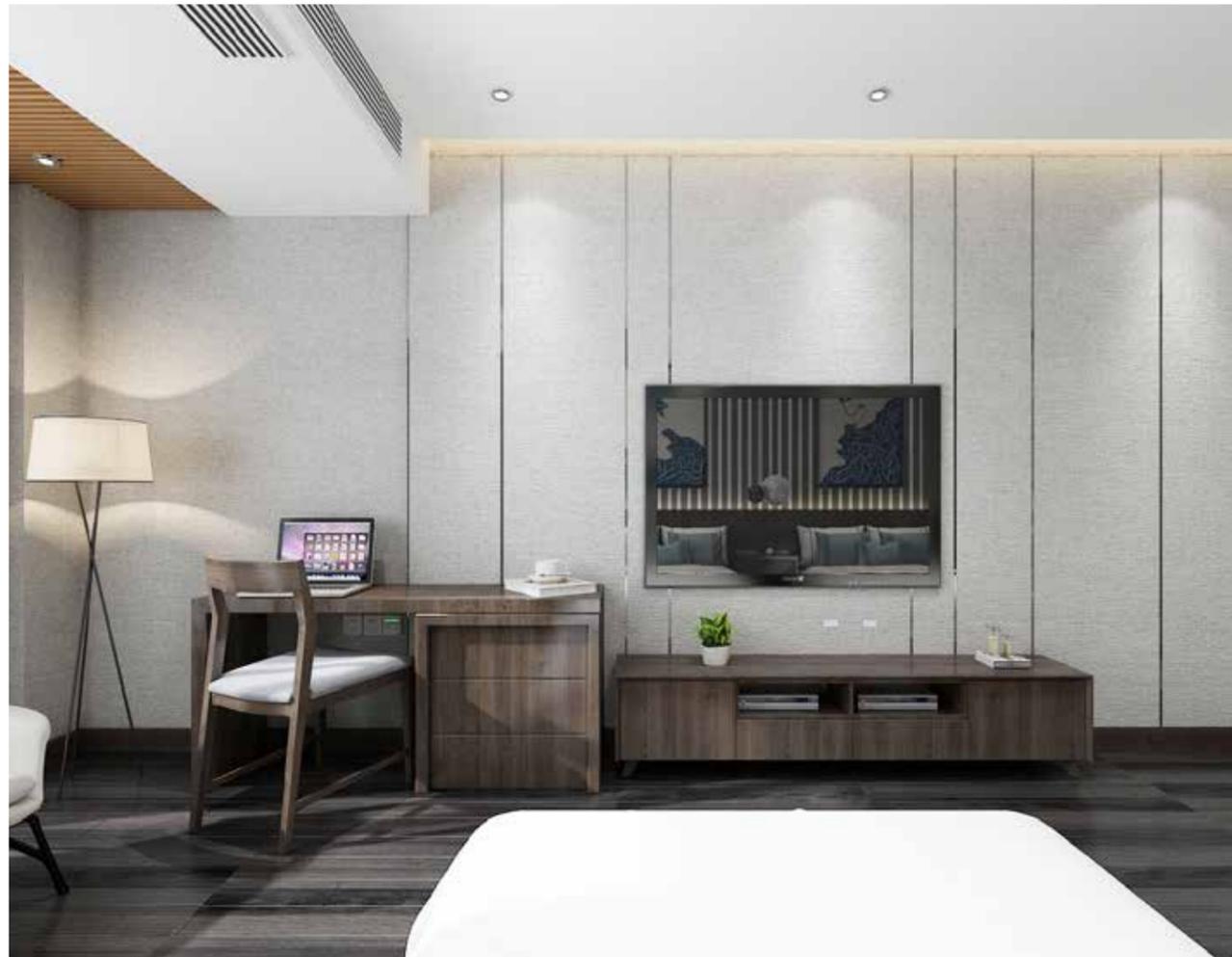
RM05+FCU KIT
Optional

KJRP-86I/MFK-E (Optional)
KJRP-86A/BMFNKD-E (Optional)

Features

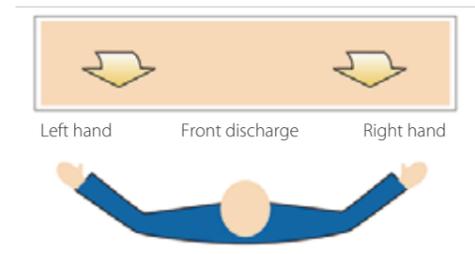
- 2, 3 or 4 row for 2-pipe system and 3 row can be customization for 4-pipe system.
- Versions for standard, A4 and large difference temperature type.
- Washable filter: Iron frame filter is standard, and aluminum frame filter can be customized.
- Compatible with two types of air return: Back return is standard ,bottom return is optional.
- Left or right hand piping connections are easily change in filed.
- Available for fresh air intake.
- EAH is optional (for 2-Row, 3-Row, 4-Row Duct).

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



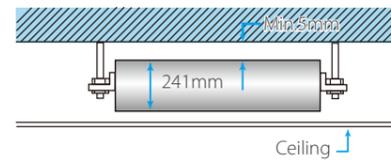
Flexible Installation

Left and right hand piping connections are optional, flexible installation.



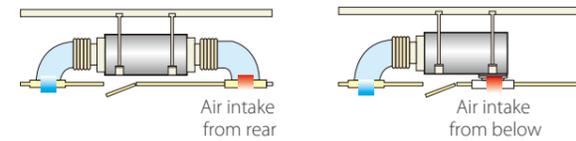
Compact Size

All the units are 241mm high, easy for limited space to installation.



Flexible Air Inlet Port Installation

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

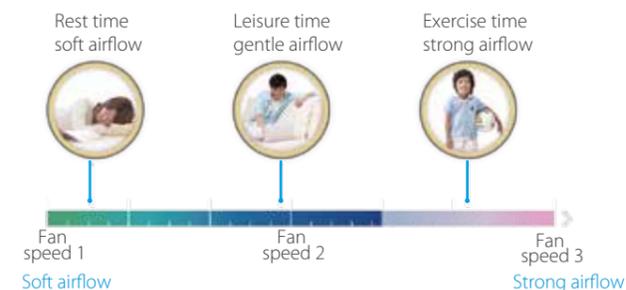


Extension water pan are optional to protect the ceiling from moisture.



Multiple Fan Speeds

The AC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



Control solutions

The duct series controlled by Wired controller, Central controller or BMS need to be customization FCU KIT.



Fresh Air Intake

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

Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.



Washable filter

Iron frame filter is standard, and aluminum frame filter can be customized.

Air outlet flange and multi-direction pull-out filter can be customized.



2-Row Duct

Model		MKT2-200G30A MKT2-200EG30A	MKT2-300G30A MKT2-300EG30A	MKT2-400G30A MKT2-400EG30A	MKT2-500G30A MKT2-500EG30A	MKT2-600G30A MKT2-600EG30A	
Power supply	V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)	m³/h	434/354/264	632/483/366	802/648/512	960/775/582	1166/906/703	
	CFM	255/208/155	372/284/215	472/381/301	565/456/342	686/533/414	
Standard external static pressure	Pa	G30 models: 30					
Cooling	Capacity (H/M/L)	kW	2.03/1.7/1.4	2.82/2.29/1.89	3.2/2.72/2.34	3.9/3.44/2.88	4.92/4.14/3.52
	Water flow rate(H/M/L)	m³/h	0.36/0.31/0.25	0.51/0.41/0.34	0.58/0.49/0.42	0.7/0.62/0.52	0.89/0.75/0.63
	Water pressure drop(H/M/L)	kPa	11.9/11.1/9.2	19.8/14.5/10.5	26/20.3/15.7	34.3/27.4/20.5	18.5/14.8/11.2
Heating	Capacity (H/M/L)	kW	2.55/2.09/1.67	3.39/2.76/2.25	4.02/3.41/2.9	4.79/4.06/3.35	6.13/5.13/4.19
	Water flow rate(H/M/L)	m³/h	0.46/0.38/0.3	0.62/0.5/0.41	0.73/0.62/0.53	0.87/0.74/0.61	1.12/0.93/0.76
	Water pressure drop(H/M/L)	kPa	9.5/7/4.8	21.8/15.9/10.9	29.9/23.3/17.3	39.7/31.4/22.4	25.3/19.4/14.2
Power input	W	55/51/45	79/64/53	92/80/69	119/96/76	141/119/103	
Auxiliary electric heater (AEH)	W	550	650	1100	1100	1600	
Sound power level(H/M/L)	dB(A)	58/55/50	58/54/48	57/52/50	65/59/52	64/60/53	
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1	2	2	2	2	
Coil	Row	2	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52	
Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522	1161x241x522	
Packing size (WxHxD)	mm	790x260x550	890x260x550	990x260x550	990x260x550	1210x260x550	
Net weight (non-AEH/with-AEH)	kg	13.9/15.4	16.5/18	19.2/20.7	19.2/20.7	22/24	
Gross weight (non-AEH/with-AEH)	kg	16.2/17.7	19/20.5	21.6/23.1	21.6/23.1	25/27	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	

Model		MKT2-800G30A MKT2-800EG30A	MKT2-1000G30A MKT2-1000EG30A	MKT2-1200G30A MKT2-1200EG30A	MKT2-1400G30A MKT2-1400EG30A	
Power supply	V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)	m³/h	1463/1128/859	1800/1374/997	2271/1642/1089	2327/1767/1190	
	CFM	860/664/506	1059/808/587	1336/966/641	1369/1039/700	
Standard external static pressure	Pa	G30 models: 30				
Cooling	Capacity (H/M/L)	kW	6.6/5.47/4.45	7.82/6.44/5.34	9.85/8.67/6.13	10.89/9.49/7.49
	Water flow rate(H/M/L)	m³/h	1.19/0.98/0.8	1.41/1.16/0.96	1.77/1.56/1.1	1.96/1.71/1.35
	Water pressure drop(H/M/L)	kPa	19.8/14.5/10.7	30.5/22.4/16.1	59.6/48.5/26.4	60.9/47.8/31.9
Heating	Capacity (H/M/L)	kW	7.95/6.58/5.32	9.36/7.76/6.21	12.04/9.89/6.84	12.66/10.92/8.14
	Water flow rate(H/M/L)	m³/h	1.44/1.2/0.97	1.7/1.41/1.13	2.19/1.8/1.24	2.3/1.99/1.48
	Water pressure drop(H/M/L)	kPa	23.6/15.6/12.8	33/24.8/17.5	75.2/60.3/31.6	58.2/45.2/27.5
Power input	W	167/134/113	231/191/168	278/229/176	304/233/195	
Auxiliary electric heater (AEH)	W	2200	2200	3200	3200	
Sound power level(H/M/L)	dB(A)	62/57/51	65/60/54	67/61/57	70/65/59	
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	2	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	4	4	4	4	
Coil	Row	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	
Net dimensions (WxHxD)	mm	1461x241x522	1566x241x522	1856x241x522	2022x241x522	
Packing size (WxHxD)	mm	1510x260x550	1615x260x550	1905x260x550	2070x260x550	
Net weight (non-AEH/with-AEH)	kg	30.9/33.4	33.4/36.4	38.5/42	42.1/46.1	
Gross weight (non-AEH/with-AEH)	kg	34.5/37	37/40	42/45.5	47.5/51.5	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	

- *Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
 2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB. Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
 3. Noise is tested in a reverberation chamber test room."
 4. The external static pressure test condition is 0 Pa.
 5. Auxiliary electric heater (AEH) is optional.

3-Row Duct

Model		MKT3-200G12A MKT3-200EG12A	MKT3-300G12A MKT3-300EG12A	MKT3-400G12A MKT3-400EG12A	MKT3-500G12A MKT3-500EG12A	MKT3-600G12A MKT3-600EG12A	MKT3-800G12A MKT3-800EG12A	MKT3-1000G12A MKT3-1000EG12A	MKT3-1200G12A MKT3-1200EG12A	MKT3-1400G12A MKT3-1400EG12A	
Power supply	V/Ph/Hz	220-240/1/50									
Air flow (H/M/L)	m³/h	401/363/300	576/467/391	707/532/404	898/652/419	1046/759/513	1362/1031/724	1697/1232/844	2121/1471/972	2541/1965/1123	
	CFM	236/213/176	339/274/230	416/313/237	528/384/246	615/446/302	801/607/426	998/725/496	1248/865/572	1495/1156/661	
Standard external static pressure	Pa	G12 models: 12									
Cooling	Capacity (H/M/L)	kW	1.97/1.84/1.57	2.93/2.51/2.21	3.62/2.92/2.34	4.39/3.51/2.73	5.77/4.57/3.36	7.99/6.68/4.8	8.45/6.74/4.99	10.66/8.23/5.94	13.18/11.36/7.77
	Water flow rate(H/M/L)	m³/h	0.35/0.33/0.28	0.53/0.45/0.4	0.71/0.61/0.44	0.79/0.63/0.49	1.04/0.82/0.61	1.44/1.2/0.86	1.52/1.21/0.9	1.92/1.48/1.07	2.37/2.04/1.4
	Water pressure drop(H/M/L)	kPa	17.7/15.9/11.9	41/31.6/25.5	23.67/16.29/11.05	32/20.7/11.3	67/44.3/25.8	38.8/27.8/18.1	46/30.9/18	48/30.6/17	57.1/45.2/22.4
Heating	Capacity (H/M/L)	kW	2.39/2.23/1.74	3.45/2.94/2.57	4.17/3.37/2.71	4.9/3.89/2.78	6.13/4.86/3.56	8.88/7.24/5.48	9.29/7.41/5.56	11.35/8.77/6.42	15.36/12.72/8.29
	Water flow rate(H/M/L)	m³/h	0.43/0.41/0.32	0.63/0.53/0.47	0.82/0.67/0.48	0.89/0.71/0.5	1.11/0.88/0.65	1.61/1.32/1	1.69/1.35/1.01	2.06/1.59/1.17	2.79/2.31/1.51
	Water pressure drop(H/M/L)	kPa	20.6/18.8/13.9	46.7/33.7/26.7	26.2/18.02/12.19	35.3/20.1/11.3	60.7/40.2/22.7	37.3/26/15.7	45.3/30.5/17.9	44.5/28/16.1	60.9/46.7/20.7
Power input	12Pa (H/M/L) W	40/37/33	63/52/45	85/66/55	101/85/70	124/101/83	154/120/98	202/168/141	250/197/163	273/224/175	
Auxiliary electric heater (AEH)	W	550	600	1100	1100	1600	2000	2200	3200	3200	
Sound power level	12Pa (H/M/L) dB(A)	53/51/45	54/50/43	55/52/47	60/54/46	62/56/46	62/56/48	66/58/48	64/56/46	68/64/58	
Fan motor	Type	Low noise 3-speed fan motor									
	Quantity	1	1	1	1	1	2	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades									
	Quantity	1	2	2	2	2	4	4	4	4	
Coil	Row	3	3	3	3	3	3	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	
Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522	1161x241x522	1461x241x522	1566x241x522	1856x241x522	2022x241x522	
Packing size (WxHxD)	mm	790x260x550	890x260x550	990x260x550	990x260x550	1210x260x550	1510x260x550	1615x260x550	1905x260x550	2070x260x550	
Net weight (non-AEH/with-AEH)	kg	14.6/16.1	17/18.5	20.2/21.7	20.2/21.7	23/25	31.9/34.4	34.4/37.4	39.5/43	43.1/47.1	
Gross weight (non-AEH/with-AEH)	kg	16.9/18.4	19.5/21	22.6/24.1	22.6/24.1	26/28	35.5/38	38.1/41.1	43/46.5	48.4/52.4	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	

Model		MKT3-200G30A MKT3-200EG30A	MKT3-300G30A MKT3-300EG30A	MKT3-400G30A MKT3-400EG30A	MKT3-500G30A MKT3-500EG30A	MKT3-600G30A MKT3-600EG30A	MKT3-800G30A MKT3-800EG30A	MKT3-1000G30A MKT3-1000EG30A	MKT3-1200G30A MKT3-1200EG30A	MKT3-1400G30A MKT3-1400EG30A	
Power supply	V/Ph/Hz	220-240/1/50									
Air flow (H/M/L)	m³/h	472/375/294	575/455/338	787/648/469	1014/764/552	1191/971/763	1454/1166/861	1865/1454/1062	2272/1840/1160	2680/1975/1192	
	CFM	278/221/173	338/268/199	463/381/276	596/450/325	701/571/449	855/686/506	1097/855/625	1336/1082/682	1577/1162/701	
Standard external static pressure	Pa	G30 models: 30									
Cooling	Capacity (H/M/L)	kW	2.21/1.86/1.55	2.92/2.49/1.97	4.05/3.52/2.72	5.12/4.37/3.55	6.49/5.68/4.74	8.31/7.1/5.66	8.84/7.49/5.96	10.98/9.57/7.19	13.53/11.38/7.83
	Water flow rate(H/M/L)	m³/h	0.4/0.34/0.28	0.53/0.45/0.36	0.73/0.63/0.49	0.92/0.79/0.64	1.17/1.02/0.85	1.5/1.28/1.02	1.59/1.35/1.07	1.98/1.71/1.29	2.44/2.05/1.41
	Water pressure drop(H/M/L)	kPa	21.4/15.9/11.9	41/31.6/21	29.2/23/14.6	23.2/17.8/12.2	80.5/64.6/46.2	76.8/57.5/38.6	48.2/36.1/24.3	48.9/38/23.5	58.9/44.5/21.7
Heating	Capacity (H/M/L)	kW	2.68/2.27/1.9	3.45/2.89/2.3	4.6/3.99/3.11	6.12/4.98/3.9	6.97/6.05/5.05	8.53/7.31/5.85	9.88/8.34/6.63	11.89/10.32/7.8	15.7/12.53/8.2
	Water flow rate(H/M/L)	m³/h	0.49/0.41/0.35	0.63/0.52/0.42	0.84/0.73/0.57	1.11/0.9/0.71	1.27/1.1/0.92	1.55/1.33/1.06	1.8/1.52/1.21	2.16/1.88/1.42	2.85/2.28/1.49
	Water pressure drop(H/M/L)	kPa	25.3/18.8/13.9	46.7/33.7/22.5	30.3/24.3/15.1	26.5/18.2/11.8	75.4/59.7/42.8	65/51.5/33.7	50.3/38/24.8	48.5/38.6/23.2	62.2/43.4/21.6
Power input	30Pa (H/M/L) W	63/54/47	84/72/62	97/90/80	142/90/77	135/120/108	178/163/145	220/179/153	267/222/180	319/222/174	
Auxiliary electric heater (AEH)	W	550	600	1100	1100	1600	2000	2200	3200	3200	
Sound power level	30Pa (H/M/L) dB(A)	56/51/44	55/50/43	59/55/49	62/58/52	63/59/52	61/56/50	65/59/54	65/61/55	69/63/57	
Fan motor	Type	Low noise 3-speed fan motor									
	Quantity	1	1	1	1	1	2	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades									
	Quantity	1	2	2	2	2	4	4	4	4	
Coil	Row	3	3	3	3	3	3	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52	
Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522	1161x241x522	1461x241x522	1566x241x522	1856x241x522	2022x241x522	
Packing size (WxHxD)	mm	790x260x550	890x260x550	990x260x550	990x260x550	1210x260x550	1510x260x550	1615x260x550	1905x260x550	2070x260x550	
Net weight (non-AEH/with-AEH)	kg	14.6/16.1	17/18.5	20.2/21.7	20.2/2						

4-Row Duct

Model		MKT4-200G30A	MKT4-300G30A	MKT4-400G30A	MKT4-500G30A	MKT4-600G30A
Power supply		V/Ph/Hz 220-240/1/50				
Air flow (H/M/L)		m ³ /h 452/369/275	639/494/373	784/634/500	948/766/578	1124/875/682
		CFM 266/217/162	376/290/220	461/373/294	557/451/340	661/515/401
Standard external static pressure		Pa 30	30	30	30	30
Cooling	Capacity (H/M/L)	kW 2.22/1.67/1.2	3.04/2.58/1.87	3.71/3.17/2.62	4.49/3.87/3.07	6.18/4.95/3.78
	Water flow rate(H/M/L)	m ³ /h 0.4/0.3/0.22	0.55/0.46/0.34	0.67/0.57/0.47	0.81/0.7/0.55	1.11/0.89/0.68
	Water pressure drop(H/M/L)	kPa 5/5/5	10/5.4/3	15/9/8	20/16/15	30/22/16
Heating	Capacity (H/M/L)	kW 2.81/2.23/1.54	3.58/3.09/2.35	4.56/3.89/3.08	5.44/4.66/3.58	6.94/5.75/4.58
	Water flow rate(H/M/L)	m ³ /h 0.51/0.41/0.28	0.65/0.56/0.43	0.83/0.71/0.56	0.99/0.85/0.65	1.26/1.04/0.83
	Water pressure drop(H/M/L)	kPa 5/3.5/5	10/5.5/3.5	15/9.5/8	22.6/20/15	28/20/15
Power input (H/M/L)		W 92/50/43	76/62/52	90/78/68	110/90/77	142/124/109
Electric heater (AEH)		W 500	600	1000	1000	1500
Sound power level		dB(A) 56/52/47	56/52/44	62/58/50	63/59/53	65/60/54
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	1	1	1	1	1
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1	2	2	2	2
Coil	Row	4	4	4	4	4
	Max. working pressure	MPa 1.6	1.6	1.6	1.6	1.6
	Diameter	mm Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52
Net dimensions (WxHxD)		mm 741x241x522	841x241x522	941x241x522	941x241x522	1161x241x522
Packing size (WxHxD)		mm 790x260x550	890x260x550	990x260x550	990x260x550	1210x260x550
Net weight		kg 15.3	17.5	20.7	20.7	23.5
Gross weight		kg 17.6	20	23.1	23.1	26.5
Water inlet/outlet pipe		inch RC3/4	RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4

Model		MKT4-800G30A	MKT4-1000G30A	MKT4-1200G30A	MKT4-1400G30A
Power supply		V/Ph/Hz 220-240/1/50			
Air flow (H/M/L)		m ³ /h 1447/1119/857	1868/1397/1026	2213/1692/1074	2311/1756/1095
		CFM 851/658/504	1099/822/603	1302/995/632	1359/1033/644
Standard external static pressure		Pa 30	30	30	30
Cooling	Capacity (H/M/L)	kW 6.31/5.1/4.14	7.79/6.13/4.87	10.17/8.57/5.44	11.7/9.43/6.47
	Water flow rate(H/M/L)	m ³ /h 1.14/0.92/0.75	1.4/1.1/0.88	1.83/1.54/0.98	2.11/1.71/1.16
	Water pressure drop(H/M/L)	kPa 15/7.5/5	18.3/12.1/8	33/24.8/11.4	35/23.9/15
Heating	Capacity (H/M/L)	kW 7.78/6.4/4.9	9.86/7.73/6.01	11.76/10.31/6.76	13.55/10.96/7.12
	Water flow rate(H/M/L)	m ³ /h 1.41/1.16/0.89	1.79/1.4/1.09	2.14/1.87/1.23	2.46/1.99/1.29
	Water pressure drop(H/M/L)	kPa 15/10/6	20.6/13.9/8.2	36.1/20.9/13.2	37/26/17
Power input (H/M/L)		W 166/134/113	223/164/139	277/228/174	325/240/193
Electric heater (AEH)		W 2000	2000	3000	3000
Sound power level		dB(A) 62/57/51	66/61/55	68/63/56	69/63/57
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	2	2	2	2
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	4	4	4	4
Coil	Row	4	4	4	4
	Max. working pressure	MPa 1.6	1.6	1.6	1.6
	Diameter	mm Ø9.52	Ø9.52	Ø9.52	Ø9.52
Net dimensions (WxHxD)		mm 1461x241x522	1566x241x522	1856x241x522	2022x241x522
Packing size (WxHxD)		mm 1510x260x550	1615x260x550	1905x260x550	2070x260x550
Net weight		kg 32.9	35.4	40.5	44.1
Gross weight		kg 36.5	39.1	44	49.4
Water inlet/outlet pipe		inch RC3/4	RC3/4	RC3/4	RC3/4
Drain pipe		inch ZG3/4	ZG3/4	ZG3/4	ZG3/4

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.*
4. The external static pressure test condition is 0 Pa.
5. Auxiliary electric heater (AEH) is optional.

A4 Type Duct

Model MKT4-		800G50-A4A	1000G50-A4A	1200G50-A4A	1400G50-A4A
Air flow		H/M/L m ³ /h 1922/1862/1672	2137/2047/1931	2311/2123/1951	2480/1939/1777
		H/M/L CFM 1130/1096/984	1257/1204/1136	1359/1249/1147	1459/1141/1045
External Static pressure		Pa 50	50	50	50
Cooling	Capacity	H/M/L kW 9.59/9.35/8.92	9.84/9.66/9.37	11.5/10.65/10.02	12.6/10.88/10.28
	Water flow rate	H/M/L m ³ /h 1.73/1.68/1.61	1.77/1.74/1.69	2.07/1.92/1.8	2.27/1.96/1.85
	Water pressure drop	H/M/L kPa 79.5/73.7/67.5	42.1/39.2/36.4	62/52.5/47.6	42.6/32.3/28.8
Heating	Power input	H/M/L W 208/185/164	224/195/183	455/389/347	469/326/288
	Capacity	H/M/L kW 10.96/10.68/10.01	11.56/11.24/10.81	12.22/11.51/10.78	13.51/11.32/10.69
	Water flow rate	H/M/L m ³ /h 1.97/1.92/1.8	2.08/2.02/1.95	2.2/2.07/1.94	2.43/2.04/1.92
Power supply	Water pressure drop	H/M/L kPa 79.1/76.9/69.2	46.1/44.6/41.5	52/47.8/41.8	39.8/28.7/25.5
	Power input	H/M/L W 208/194/172	224/206/193	455/389/347	469/331/290
	V/Ph/Hz 220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Sound pressure level		H/M/L dB(A) 48.4/47.9/46.6	49.5/48.1/47.3	50.9/50/48.5	51.7/50/49.5
Fan motor	Type	Low noise 3-speed fan motor			
	Model	YSK105-6SC	YSK150-6SC	YSK230-4SC	YSK230-4SC
Fan	Quantity	1	1	1	1
	Type	Centrifugal, forward-curved Blades			
Coil	Quantity	2	2	2	2
	Row	4	4	4	4
	Max. Working pressure	MPa 1.6	1.6	1.6	1.6
Body	Coil length x height	mm 885x305	885x305	1085x305	1085x305
	Fin spacing	mm 2.2	2.2	2.2	2.2
	Fin type	Hydrophilic aluminum			
Pipe connection	Number of circuits	4	6	8	8
	Diameter	mm Ø9.52	Ø9.52	Ø9.52	Ø9.52
	Dimensions	WxHxD mm 1180x340x612	1180x340x612	1369x340x612	1369x340x612
Coil	Packing	WxHxD mm 1310x380x693	1310x380x693	1490x380x693	1490x380x693
	Net weight	kg 39.3	40.8	46.3	46.3
	Gross weight	kg 47	49.6	56.4	56.4
Body	Water inlet/outlet pipe	inch RC3/4	RC3/4	RC3/4	RC3/4
	Drain pipe	mm ODØ24	ODØ24	ODØ24	ODØ24

Model MKT4-		1600G50-A4A	1800G50-A4A	2000G50-A4A
Air flow		H/M/L m ³ /h 2695/2164/1997	3490/2641/2310	3686/2780/2307
		H/M/L CFM 1585/1273/1175	2053/1554/1359	2168/1635/1357
External Static pressure		Pa 50	50	50
Cooling	Capacity	H/M/L kW 13.16/11.24/10.61	16.51/12.59/11.07	19.15/15.64/13.67
	Water flow rate	H/M/L m ³ /h 2.37/2.02/1.91	2.97/2.27/1.99	3.45/2.82/2.46
	Water pressure drop	H/M/L kPa 70.9/54.1/49.1	239.6/150.4/117.8	283.3/199.2/159.7
Heating	Power input	H/M/L W 573/391/341	637/416/358	696/444/384
	Capacity	H/M/L kW 14.66/11.46/10.76	17.54/13.21/11.67	19.31/15.69/13.63
	Water flow rate	H/M/L m ³ /h 2.64/2.06/1.94	3.16/2.38/2.1	3.48/2.83/2.45
Power supply	Water pressure drop	H/M/L kPa 65.5/49.8/43.7	241.9/146.1/115.5	283/193.9/151.5
	Power input	H/M/L W 573/391/341	637/416/358	696/444/384
	V/Ph/Hz 220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Sound pressure level		H/M/L dB(A) 52.9/50.7/50	53.6/51.1/50.2	54.4/52.7/51.6
Fan motor	Type	Low noise 3-speed fan motor		
	Model	YSK230-4SC	YSK360-4SC	YSK360-4SC
Fan	Quantity	1	1	1
	Type	Centrifugal, forward-curved Blades		
Coil	Quantity	2	3	3
	Row	4	4	4
	Max. Working pressure	MPa 1.6	1.6	1.6
Body	Coil length x height	mm 1085x305	1277x305	1277x305
	Fin spacing	mm 2.2	2.2	2.2
	Fin type	Hydrophilic aluminum		
Pipe connection	Number of circuits	8	8	8
	Diameter	mm Ø9.52	Ø9.52	Ø9.52
	Dimensions	WxHxD mm 1369x340x612	1500x340x612	1500x340x612
Coil	Packing	WxHxD mm 1490x380x693	1620x380x693	1620x380x693
	Net weight	kg 46.3	54.8	54.8
	Gross weight	kg 56.4	64.6	64.6
Body	Water inlet/outlet pipe	inch RC3/4	RC3/4	RC3/4
	Drain pipe	mm ODØ24	ODØ24	ODØ24

Note:

1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: Entering water 7°C, temperature rise 5°C, entering air temperature 27°C DB, 19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, entering air temperature 20°C.
3. Noise is tested in semi-anechoic test room.
4. The external static pressure test condition is 0 Pa.

District Cooling Duct

Model		MKS4-200G30	MKS4-300G30	MKS4-400G30	MKS4-500G30	MKS4-600G30	MKS4-800G50-A4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	430/380/340	600/540/480	700/630/520	900/810/720	1160/1040/930	1400/1342/1200	
	CFM	253/224/200	353/318/282	412/370/305	530/476/424	682/612/547	824/789/705	
Standard external static pressure	Pa	30	30	30	30	30	50	
Cooling	Capacity (H/M/L)	kW	2.05/1.742/1.55	2.61/2.21/1.98	4.03/3.42/3.06	4.57/3.88/3.47	6.39/5.43/4.85	6.93/5.89/5.26
	Water flow rate	L/h	196	249	385	437	610.6	662
	Water pressure drop	kPa	10	10	21	25	53.8	13.3
Power input (H/M/L)	W	47/38/33	65/52/46	78/62/55	92/74/64	116/93/81	144/115/101	
Sound pressure level	dB(A)	38/33/27	39/34/28	39/35/29	41/35/30	42/36/31	48/47/46	
Fan motor	Type	Low noise 3-speed fan motor						
	Quantity	1						
Fan	Type	Centrifugal, forward-curved blades						
	Quantity	1	2	2	2	2	2	
Coil	Row	4						
	Max. working pressure	MPa	1.6					
	Diameter	mm	Ø9.52					
Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522	1161x241x522	1180x340x612	
Packing size (WxHxD)	mm	790x260x550	890x260x550	990x260x550	990x260x550	1210x260x550	1310x380x693	
Net weight	kg	15.3	17.5	20.7	20.7	23.5	39.3	
Gross weight	kg	17.6	20	23.1	23.1	26.5	47	
Water inlet/outlet pipe	inch	RC3/4						
Drain pipe	inch	ZG3/4						

Model		MKS4-1000G50-A4	MKS4-1200G50-A4	MKS4-1400G50-A4	MKS4-1600G50-A4	MKS4-1800G50-A4	MKS4-2000G50-A4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	1650/1527/1405	2040/1851/1666	2420/1850/1657	2430/1917/1742	3380/2239/1878	3660/2544/2199	
	CFM	970/898/826	1200/1089/980	1424/1088/975	1431/1128/1025	1988/1317/1105	2153/1496/1295	
Standard external static pressure	Pa	50	50	50	50	50	50	
Cooling	Capacity (H/M/L)	kW	7.57/6.43/5.75	10.11/8.59/7.68	11.5/9.7/8.74	11.74/9.97/8.92	14.74/12.52/11.2	16.1/13.68/12.23
	Water flow rate	L/h	723	966	1099	1122	1408	1538
	Water pressure drop	kPa	16.3	21	25.3	27.8	37.9	48.1
Power input (H/M/L)	W	176/141/123	320/256/224	392/314/274	482/386/337	538/430/376	583/466/408	
Sound pressure level	dB(A)	49/48/47	51/50/48	52/50/49	53/51/50	54/51/50	54/52/51	
Fan motor	Type	Low noise 3-speed fan motor						
	Quantity	1						
Fan	Type	Centrifugal, forward-curved blades						
	Quantity	2	2	2	2	3	3	
Coil	Row	4						
	Max. working pressure	MPa	1.6					
	Diameter	mm	Ø9.52					
Net dimensions (WxHxD)	mm	1180x340x612	1369x340x612	1369x340x612	1369x340x612	1500x340x612	1500x340x612	
Packing size (WxHxD)	mm	1310x380x693	1490x380x693	1490x380x693	1490x380x693	1620x380x693	1620x380x693	
Net weight	kg	40.8	46.3	46.3	46.3	54.8	54.8	
Gross weight	kg	49.6	56.4	56.4	56.4	64.6	64.6	
Water inlet/outlet pipe	inch	RC3/4						
Drain pipe	inch	ZG3/4						

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. The data are test under standard external static pressure.
3. Cooling conditions: entering water 5.5°C, temperature rise 9°C, entering air temperature 27°C DB/19°C WB.
4. Noise is tested in a semi-anechoic test room.
5. The external static pressure test condition is 0 Pa.

4-Pipe Duct

Model		MKT3-200FG30A	MKT3-300FG30A	MKT3-400FG30A	MKT3-500FG30A	MKT3-600FG30A	
Power supply	V/Ph/Hz	220-240/1/50					
Air flow (H/M/L)	m ³ /h	470/382/285	639/493/374	751/628/457	955/779/589	1204/955/719	
	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300	
Standard external static pressure	Pa	G30 models: 30					
Cooling	Capacity (H/M/L)	kW	2.01/1.76/1.44	2.76/2.34/1.97	3.37/3.03/2.33	3.49/3.12/2.53	4.82/4.29/3.61
	Water flow rate(H/M/L)	m ³ /h	0.36/0.32/0.26	0.5/0.42/0.35	0.61/0.55/0.42	0.63/0.56/0.46	0.87/0.77/0.65
	Water pressure drop(H/M/L)	kPa	11/9/6.5	23/17.3/12.7	58.7/55.2/51	142.2/113.4/79.7	24.7/19.9/14.8
Heating	Capacity (H/M/L)	kW	2.33/2.1/1.79	3.07/2.72/2.37	3.8/3.49/2.98	4.51/4.03/3.43	5.5/4.99/4.35
	Water flow rate(H/M/L)	m ³ /h	0.21/0.19/0.16	0.28/0.25/0.22	0.35/0.32/0.27	0.41/0.37/0.32	0.5/0.46/0.4
	Water pressure drop(H/M/L)	kPa	8.5/7.2/5.8	13.8/11.3/9	18.4/16.2/12.3	31/22.7/17.8	50/42.2/33
Power input	30Pa (H/M/L) W	61/53/47	76/65/57	88/81/72	108/89/77	136/121/106	
Sound power level	30Pa (H/M/L) dB(A)	60/55/46	56/51/44	59/55/48	62/58/52	63/58/52	
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades					
	Quantity	1	2	2	2	2	
Coil	Row	3	3	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52	Ø9.52
Net dimensions (WxHxD)	mm	741x241x522	841x241x522	941x241x522	941x241x522	1161x241x522	
Packing size (WxHxD)	mm	790x260x555	890x260x555	990x260x555	990x260x555	1210x260x555	
Net weight	kg	15.1	17.5	20.7	20.7	23.5	
Gross weight	kg	17.4	20	23.1	23.1	26.5	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	ZG3/4	

Model		MKT3-800FG30A	MKT3-1000FG30A	MKT3-1200FG30A	MKT3-1400FG30A	
Power supply	V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)	m ³ /h	1349/1062/820	1749/1350/1006	2099/1698/1145	2226/1720/1173	
	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700	
Standard external static pressure	Pa	G30 models: 30				
Cooling	Capacity (H/M/L)	kW	6.16/5.38/4.55	7.15/6.17/5.21	7.36/6.72/5.54	10.16/8.85/7.02
	Water flow rate(H/M/L)	m ³ /h	1.11/0.97/0.82	1.29/1.11/0.94	1.32/1.21/1	1.83/1.59/1.26
	Water pressure drop(H/M/L)	kPa	26.3/20.6/15.5	32/24.4/18.1	41.3/34.9/24.7	74.8/58.3/39
Heating	Capacity (H/M/L)	kW	6.04/5.41/4.73	7.22/6.43/5.62	8.89/8.09/6.73	9.84/8.78/7.28
	Water flow rate(H/M/L)	m ³ /h	0.55/0.5/0.43	0.66/0.59/0.52	0.82/0.74/0.62	0.9/0.81/0.67
	Water pressure drop(H/M/L)	kPa	11/8.9/10.4	17.3/14.2/11	27.6/23.3/16.9	33.6/27.6/20
Power input	30Pa (H/M/L) W	169/144/127	224/197/177	270/234/195	308/238/197	
Sound power level	30Pa (H/M/L) dB(A)	62/57/50	66/60/54	66/62/56	66/62/57	
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	2	2	2	2	
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	4	4	4	4	
Coil	Row	3	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6	
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52
Net dimensions (WxHxD)	mm	1461x241x522	1566x241x522	1856x241x522	2022x241x522	
Packing size (WxHxD)	mm	1510x260x555	1615x260x555	1905x260x555	2070x260x555	
Net weight	kg	32.4	34.9	40	43.6	
Gross weight	kg	36	38.6	43.5	48.9	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.
4. The external static pressure test condition is 0 Pa.

High Static Pressure Duct



Model: 800/1000/1200/1400/1600/1800/2200CFM



RM05+FCU KIT
Optional

KJRP-86I/MFK-E (Optional)
KJRP-86A/BMFNKD-E (Optional)

Features

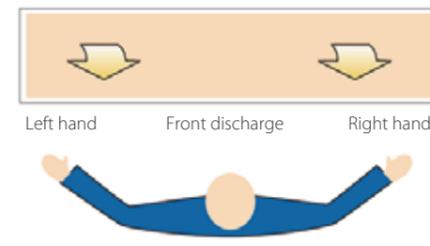
- Large air volume and capacity, high static pressure(Up to 100Pa).
- Easy to clean and change air filter.
- EAH is optional.
- Air return flange and air plenum with filter are standard, air return from the back side.
- 220V wired controller is optional.
- Standard extended drainage pan for protecting ceiling better.
- Four-speed motor with super-high speed reserved.
- Pipe connection from left or right.

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



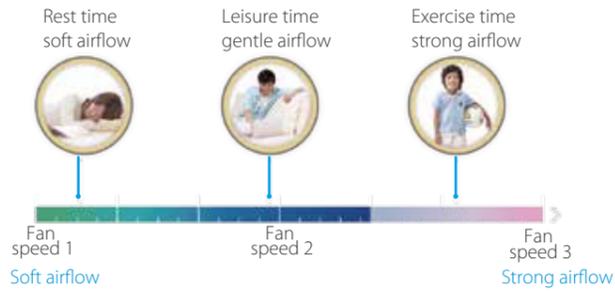
Flexible Installation

Left and right hand piping connections are optional, flexible installation.



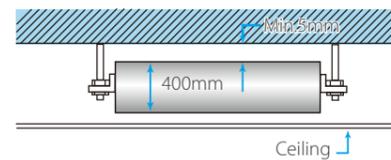
Multiple Fan Speeds

The AC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



Compact Size

All the units are 400mm high, easy for limited space installation.



Easy to clean and change air filter

Changing the air filter only needs to loosen a screw at the air supply side to pull out the air filter, easy and effective operation.



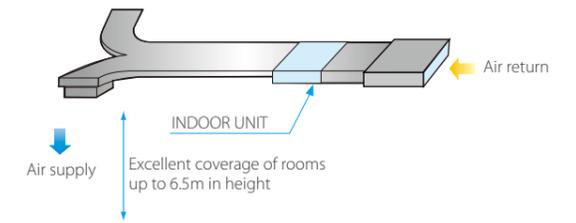
Control solutions

The duct series controlled by Wired controller, Centralized controller or BMS need to be customization FCU KIT.



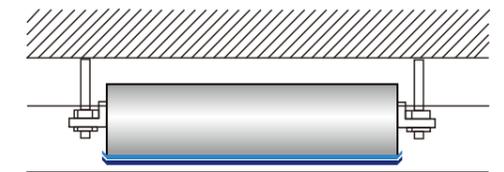
Flexible Duct Design

High Static Pressure Duct supplies a wide static pressure from 0Pa to 100Pa which can support short to long duct with high ceiling air supply.



Double-skin Drainage Pan

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



Electric heater is optional

Different models can be customized with different electrical auxiliary heat capacity.



High Static Pressure Duct

Model		MKT3H-800G70A MKT3H-800EG70A	MKT3H-1000G70A MKT3H-1000EG70A	MKT3H-1200G70A MKT3H-1200EG70A	MKT3H-1400G70A MKT3H-1400EG70A	
Power supply	V/Ph/Hz	220-240/1/50				
Air flow (H/M/L)	m³/h	1464/1453/1408	1507/1491/1397	1601/1557/1500	1659/1590/1501	
	CFM	861/855/828	887/877/822	942/916/882	976/935/883	
Standard external static pressure	Pa	70	70	70	70	
Cooling	Capacity (H/M/L)	kW	5.4/5.27/5.08	7.75/7.56/6.98	8.03/7.8/7.49	10.41/10.11/9.69
	Water flow rate(H/M/L)	m³/h	0.97/0.95/0.91	1.39/1.36/1.26	1.45/1.4/1.35	1.87/1.82/1.74
	Water pressure drop(H/M/L)	kPa	14.5/11.7/13.2	35.1/34/30.8	35.3/33.5/31.4	52.1/48.1/44.3
Heating	Capacity (H/M/L)	kW	8.09/7.82/7.42	9.62/9.28/8.85	10.33/10.02/9.17	11.15/10.46/9.65
	Water flow rate(H/M/L)	m³/h	1.47/1.42/1.35	1.75/1.69/1.61	1.88/1.82/1.67	2.03/1.9/1.75
	Water pressure drop(H/M/L)	kPa	25.5/24.2/22.8	42.8/40.8/36.5	55.5/52.8/48.1	47.3/45.5/41.9
Power input (H/M/L)	W	391/375/348	382/363/343	386/372/355	380/364/347	
Auxiliary electric heater (AEH)	W	5000	5000	5000	5000	
Sound power level	Inlet	dB(A)	74/73/71	72/71/70	73/71/70	73/71/70
	Outlet	dB(A)	72/71/69	70/70/69	71/70/69	71/70/69
Fan motor	Type	Low noise 3-speed fan motor				
	Quantity	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades				
	Quantity	1	1	1	1	
Coil	Row	2	3	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52	Ø9.52
Net dimensions(WxHxD)	mm	946x400x816	946x400x816	946x400x816	946x400x816	
Packing size (non-AEH/with-AEH) (WxHxD)	mm	Left connection: 1075x480x857/1075x480x925 Right connection: 1015x480x857/1015x480x925				
Net weight (non-AEH/with-AEH)	kg	50/53	52/55	52/55	54/57	
Gross weight (non-AEH/with-AEH)	kg	55/58	57/60	57/60	59/62	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	ZG3/4	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room."
4. The external static pressure test condition is the same as Eurovent conditions (External static pressure is different for each models).
5. Auxiliary electric heater is optional.

Model		MKT3H-1600G100A MKT3H-1600EG100A	MKT3H-1800G100A MKT3H-1800EG100A	MKT3H-2200G100A MKT3H-2200EG100A	
Power supply	V/Ph/Hz	220-240/1/50			
Air flow (H/M/L)	m³/h	2272/2126/1911	3177/2983/2327	3411/3034/2588	
	CFM	1336/1251/1124	1869/1755/1369	2007/1785/1522	
Standard external static pressure	Pa	100	100	100	
Cooling	Capacity (H/M/L)	kW	12.99/12.02/11.04	15.25/13.42/12.38	16.71/15.15/13.58
	Water flow rate(H/M/L)	m³/h	2.34/2.16/1.99	2.74/2.42/2.23	3.01/2.73/2.44
	Water pressure drop(H/M/L)	kPa	86/73.4/60.7	129/113/100.1	147.9/124.2/98.6
Heating	Capacity (H/M/L)	kW	14.07/12.91/11.78	18.23/16.84/14.76	19.94/17.26/15.25
	Water flow rate(H/M/L)	m³/h	2.56/2.35/2.14	3.31/3.06/2.68	3.62/3.14/2.77
	Water pressure drop(H/M/L)	kPa	87.8/75.1/63	168/147/127.2	163.7/130.9/102
Power input (H/M/L)	W	546/475/415	782/683/606	887/755/628	
Auxiliary electric heater (AEH)	W	9500	9500	9500	
Sound power level	Inlet	dB(A)	68/67/65	74/72/70	75/72/69
	Outlet	dB(A)	66/65/62	72/70/68	73/70/67
Fan motor	Type	Low noise 3-speed fan motor			
	Quantity	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2	2	2	
Coil	Row	3	3	3	
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø9.52	Ø9.52	Ø9.52
Net dimensions(WxHxD)	mm	1290x400x809	1290x400x809	1290x400x809	
Packing size (non-AEH/with-AEH) (WxHxD)	mm	Left connection: 1448x460x877/1448x460x950 Right connection: 1383x422x877/1368x460x950			
Net weight (non-AEH/with-AEH)	kg	76/82	76/82	76/82	
Gross weight (non-AEH/with-AEH)	kg	83/89	83/89	83/89	
Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4	
Drain pipe	inch	ZG3/4	ZG3/4	ZG3/4	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room."
4. The external static pressure test condition is the same as Eurovent conditions (External static pressure is different for each models).
5. Auxiliary electric heater is optional.

Wall Mounted Series



Model: 250/300/400/500/600 CFM



R51 Standard

Features

- Display shut off (for Type A and P panels though Wireless Remote Controllers RM12F/BGF-E)
- Built-in 3-way electromagnetic valve.
- Remote controller as standard, wired controller is optional.
- Easy and low cost installation.
- The panel can be easily removed, simple maintenance and easy to change filter.
- Multi-directional outlet pipe feature: left/right/rear, to meet the needs of different rooms.
- Compatible with 0-10V output function(Customized).
- EAH is optional

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



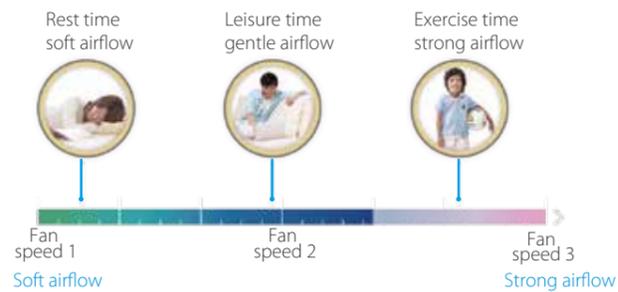
Digital Display On/Off

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



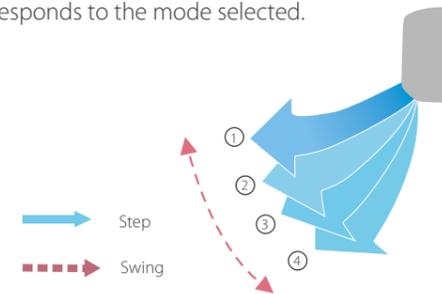
Multiple Fan Speeds

The AC Series supplies 3 indoor fan speeds to meet the needs of different indoor conditions.



Auto Swing Louver

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



Control solutions

The fan coil units can be connected to Midea centralized controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



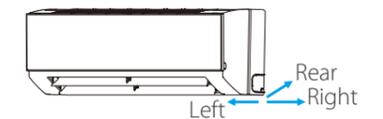
Variety stylish Panel

Variety stylish panel with three options (A Type, P Type and S Type), perfect fusion in all kinds of decoration.



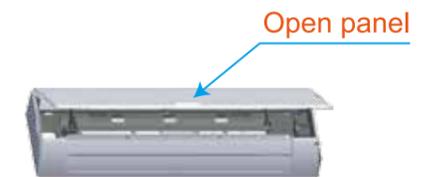
Flexible Pipe Outlet Direction

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



Easy Maintenance

Removable front panel making maintenance convenient.



Exposed Installation, No Need Ceilings

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



Wall Mounted (A Type)

Model		MKG-250-CA	MKG-300-CA	MKG-400-CA	MKG-500-CA	MKG-600-CA	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m ³ /h	435/396/342	523/426/351	660/534/480	841/723/594	915/836/714
		CFM	256/233/201	308/251/206	388/314/282	495/425/349	538/492/420
Cooling	Capacity (H/M/L)	kW	1.94/1.84/1.68	2.64/2.4/1.99	2.94/2.58/2.34	4.01/3.61/3.1	4.61/4.33/3.84
	Water flow rate(H/M/L)	m ³ /h	0.35/0.33/0.3	0.47/0.43/0.36	0.53/0.46/0.42	0.72/0.65/0.56	0.83/0.78/0.69
	Water pressure drop(H/M/L)	kPa	31.6/28.6/25.2	37.5/30/24	57.2/47.6/38.7	47.1/33.5/29.7	51/39.5/34
Heating	Capacity (H/M/L)	kW	2.34/2.15/1.94	2.9/2.6/2.22	3.46/2.75/2.52	4.39/3.8/3.27	4.55/4.2/3.82
	Water flow rate(H/M/L)	m ³ /h	0.43/0.39/0.35	0.53/0.47/0.4	0.63/0.5/0.46	0.8/0.69/0.6	0.83/0.76/0.69
	Water pressure drop(H/M/L)	kPa	35.2/34.9/30	39.3/31.5/25	70.8/55.1/46.2	48.6/40.8/31.7	48/43/33
Power input (H/M/L)		W	35/32/31	47/43/39	50/51/47	60/54/48	72/60/55
Auxiliary electric heater (AEH)		W	750	750	750	900	900
Sound power level		dB(A)	44/42/40	48/43/39	57/51/47	54/50/45	59/55/50
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Tangential fan	Tangential fan	Tangential fan	Tangential fan	Tangential fan	
	Quantity	1	1	1	1	1	
Coil	Row	2	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
Net dimensions (WxHxD)		mm	915×290×233	915×290×233	915×290×233	1072×315×237	1072×315×237
Packing size (WxHxD)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net weight		kg	13	13	13.3	15.8	15.8
Gross weight		kg	16.3	16.3	16.7	19.4	19.4
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ20	ODΦ20	ODΦ20	ODΦ20	ODΦ20

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.

Wall Mounted (P Type)

Model		MKG-250-DA	MKG-300-DA	MKG-400-DA	MKG-500-DA	MKG-600-DA	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m ³ /h	435/396/342	523/426/351	660/534/480	841/723/594	915/836/714
		CFM	256/233/201	308/251/206	388/314/282	495/425/349	538/492/420
Cooling	Capacity (H/M/L)	kW	1.94/1.84/1.68	2.64/2.4/1.99	2.94/2.58/2.34	4.01/3.61/3.1	4.61/4.33/3.84
	Water flow rate(H/M/L)	m ³ /h	0.35/0.33/0.3	0.47/0.43/0.36	0.53/0.46/0.42	0.72/0.65/0.56	0.83/0.78/0.69
	Water pressure drop(H/M/L)	kPa	31.6/28.6/25.2	37.5/30/24	57.2/47.6/38.7	47.1/33.5/29.7	51/39.5/34
Heating	Capacity (H/M/L)	kW	2.34/2.15/1.94	2.9/2.6/2.22	3.46/2.75/2.52	4.39/3.8/3.27	4.55/4.2/3.82
	Water flow rate(H/M/L)	m ³ /h	0.43/0.39/0.35	0.53/0.47/0.4	0.63/0.5/0.46	0.8/0.69/0.6	0.83/0.76/0.69
	Water pressure drop(H/M/L)	kPa	35.2/34.9/30	39.3/31.5/25	70.8/55.1/46.2	48.6/40.8/31.7	48/43/33
Power input (H/M/L)		W	35/32/31	47/43/39	50/51/47	60/54/48	72/60/55
Auxiliary electric heater (AEH)		W	750	750	750	900	900
Sound power level		dB(A)	44/42/40	48/43/39	57/51/47	54/50/45	59/55/50
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Tangential fan	Tangential fan	Tangential fan	Tangential fan	Tangential fan	
	Quantity	1	1	1	1	1	
Coil	Row	2	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
Net dimensions (WxHxD)		mm	915×290×229	915×290×229	915×290×229	1072×315×232	1072×315×232
Packing size (WxHxD)		mm	1020×390×315	1020×390×315	1020×390×315	1180×415×315	1180×415×315
Net weight		kg	13	13	13.3	15.8	15.8
Gross weight		kg	16.3	16.3	16.7	19.4	19.4
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ20	ODΦ20	ODΦ20	ODΦ20	ODΦ20

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a reverberation chamber test room.

Model		MKG-250-BA	MKG-300-BA	MKG-400-BA	MKG-500-BA	MKG-600-BA	
Power supply	V/Ph/Hz	220-240/1/50					
Air flow (H/W/L)	m ³ /h	435/396/342	523/426/351	660/534/480	841/723/594	915/836/714	
	CFM	256/233/201	308/251/206	388/314/282	495/425/349	538/492/420	
Cooling	Capacity (H/M/L)	kW	1.94/1.84/1.68	2.64/2.4/1.99	2.94/2.58/2.34	4.01/3.61/3.1	4.61/4.33/3.84
	Water flow rate(H/W/L)	m ³ /h	0.35/0.33/0.3	0.47/0.43/0.36	0.53/0.46/0.42	0.72/0.65/0.56	0.83/0.78/0.69
	Water pressure drop(H/W/L)	kPa	31.6/28.6/25.2	37.5/30/24	57.2/47.6/38.7	47.1/33.5/29.7	51/39.5/34
Heating	Capacity (H/M/L)	kW	2.34/2.15/1.94	2.9/2.6/2.22	3.46/2.75/2.52	4.39/3.8/3.27	4.55/4.2/3.82
	Water flow rate(H/W/L)	m ³ /h	0.43/0.39/0.35	0.53/0.47/0.4	0.63/0.5/0.46	0.8/0.69/0.6	0.83/0.76/0.69
	Water pressure drop(H/W/L)	kPa	35.2/34.9/30	39.3/31.5/25	70.8/55.1/46.2	48.6/40.8/31.7	48/43/33
Power input (H/W/L)	W	35/32/31	47/43/39	50/51/47	60/54/48	72/60/55	
Auxiliary electric heater (AEH)	W	750	750	750	900	900	
Sound power level	dB(A)	44/42/40	48/43/39	57/51/47	54/50/45	59/55/50	
Fan motor	Type	Low noise 3-speed fan motor					
	Quantity	1	1	1	1	1	
Fan	Type	Tangential fan	Tangential fan	Tangential fan	Tangential fan	Tangential fan	
	Quantity	1	1	1	1	1	
Coil	Row	2	2	2	2	2	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	
Net dimensions (WxHxD)	mm	915x290x230	915x290x230	915x290x230	1072x315x230	1072x315x230	
Packing size (WxHxD)	mm	1020x390x315	1020x390x315	1020x390x315	1180x415x315	1180x415x315	
Net weight	kg	13	13	13.3	15.8	15.8	
Gross weight	kg	16.3	16.3	16.7	19.4	19.4	
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODΦ20	ODΦ20	ODΦ20	ODΦ20	ODΦ20	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.

2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.

Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.

3. Noise is tested in a reverberation chamber test room.*

2nd Generation Ceiling&Floor series

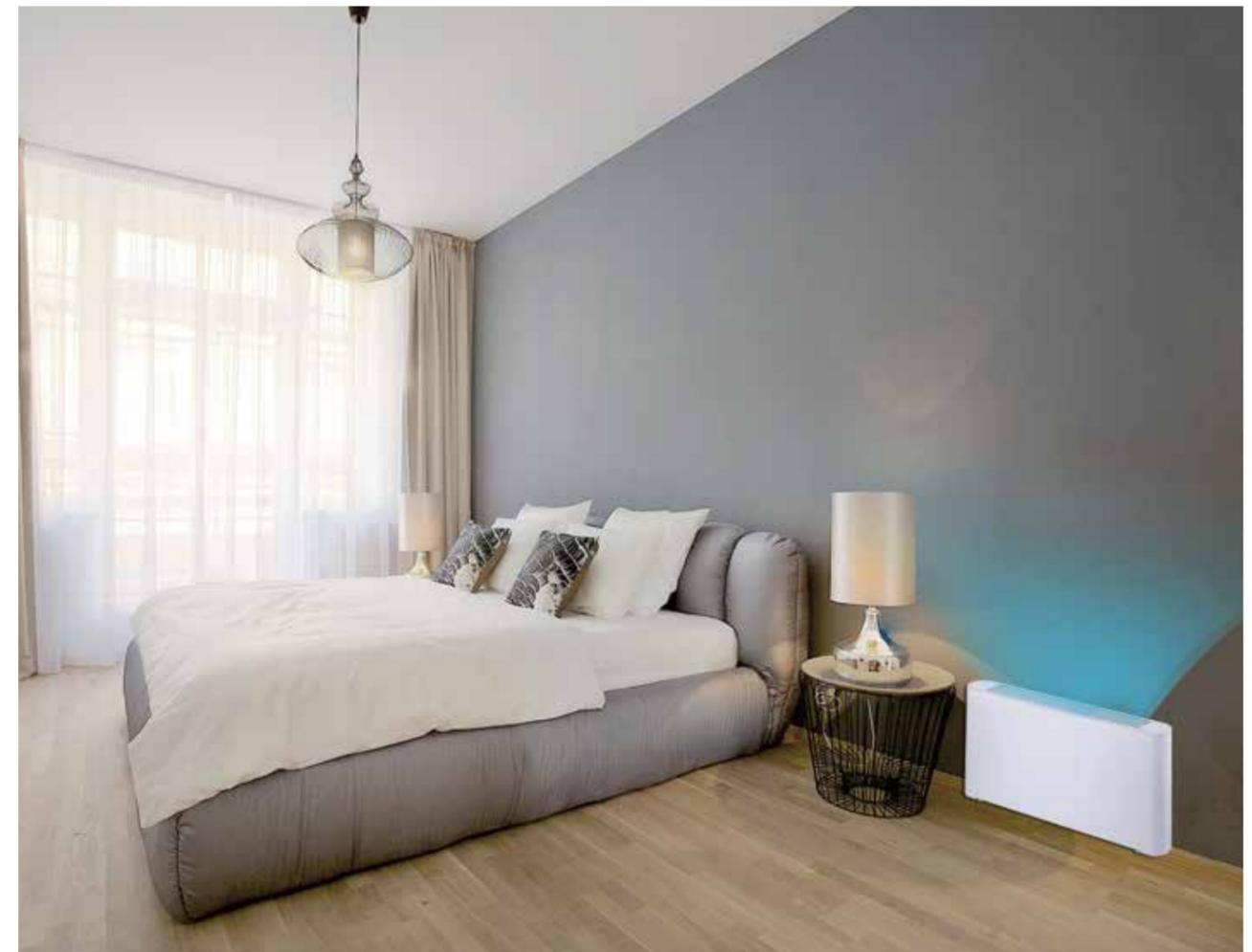
Model: 150/250/350/500/700/800 CFM

KJRP-86I/MFK-E (Optional)
KJRP-86A/BMFKND-E(Optional)

Features

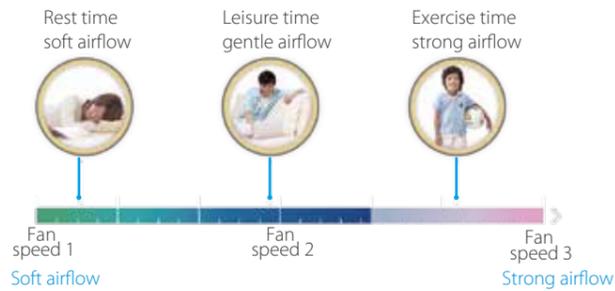
- 3 or 4 rows coil are optional for whole series .
- 2-Pipe and 4-Pipe are optional for whole series.
- Ultra-thin with 200 mm thickness.
- Floor standing/Horizontal/ Concealed type installation available (For floor standing : The footing is optional).
- The wired controller(KJRP-86I/MFK-E or KJRP-86A/BMFKND-E) can be installed inside the unit.

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



Multiple Fan Speeds

The AC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirement, the H3 (concealed) unit is designed to be concealed in walls while the H1 (front air intake) and H2 (underside air intake) offer a choice of air intake options.

Concealed Type H3 Series



Exposed Type (air return from bottom) H2 Series



Exposed Type (air return from side) H1 Series



Control solutions

The fan coil units can be connected to Midea centralized controllers or BMS through the customized FCU KIT.

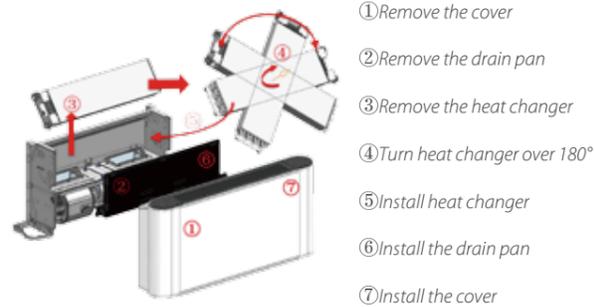


Wired Controller Easy Installation

A place for wired controller is reserved on the surface of the unit, KJRP-86I/MFK-E and KJRP-86A/BMFKND-E can be perfectly installed.



Right/Left connection easy change



Ease of Installation and Maintenance

The ceiling and floor unit offers exposed installation. The installation and maintenance is easy. The maintenance of the machine is quite easy and the key components can be accessed from the bottom of the machine.



Ceiling and Floor Installation Option

The unit is uniquely designed with the possibility to be installed beneath the ceiling or sitting on the floor to suit any interior design requirements.



2- Pipe 2nd Generation Ceiling&Floor

Model		MKH1-150-R3	MKH1-150-R4	MKH1-250-R3	MKH1-250-R4	MKH1-350-R3	MKH1-350-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	245/160/135	245/180/130	380/245/140	380/250/160	580/435/310	580/430/310	
	CFM	144/94/79	144/106/76	224/144/82	224/147/94	341/256/182	341/253/182	
External static pressure	Pa	0						
Cooling	Total Capacity (H/M/L)	kW	1.58/1.17/1.04	2.16/1.78/1.35	2.51/1.92/1.32	2.72/2.02/1.41	3.75/3.10/2.40	4.09/3.29/2.41
	Water flow rate (H/M/L)	m ³ /h	0.27/0.20/0.18	0.37/0.31/0.23	0.43/0.33/0.23	0.47/0.35/0.24	0.64/0.53/0.41	0.70/0.56/0.41
	Water pressure drop (H/M/L)	kPa	15.1/9.0/7.1	31.9/23.2/14.1	17.1/11.7/5.2	23.9/14.0/7.5	37.3/26.4/16.5	40.1/26.4/15.3
Heating	Capacity (H/M/L)	kW	1.77/1.24/1.08	2.26/1.79/1.36	2.80/2.01/1.38	2.81/2.04/1.43	3.99/3.21/2.41	4.19/3.34/2.45
	Water flow rate (H/M/L)	m ³ /h	0.30/0.21/0.19	0.39/0.31/0.23	0.48/0.34/0.24	0.48/0.35/0.25	0.68/0.55/0.41	0.72/0.57/0.42
	Water pressure drop (H/M/L)	kPa	15.0/7.9/6.4	31.9/21.5/14.1	16.6/9.8/5.2	22.5/12.6/6.1	34.6/24.2/15.4	36.3/25.4/14.5
Power input (H/M/L)	W	35/17/14	40/24/15	47/26/14	47/26/15	51/32/19	51/32/19	
Sound power level (H/M/L)	dB(A)	47/36/34	52/47/39	47/38/32	48/39/33	52/45/37	52/45/37	
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	790x495x211	790x495x211	1020x495x211	1020x495x211	1240x495x211	1240x495x211
	Packing size (WxHxD)	mm	895x595x300	895x595x300	1125x595x300	1125x595x300	1345x595x300	1345x595x300
	Net weight	kg	16.3	16.7	20.0	20.8	24.0	25.4
	Gross weight	kg	21.8	22.7	26.8	26.8	31.0	32.4
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Model		MKH1-500-R3	MKH1-500-R4	MKH1-700-R3	MKH1-700-R4	MKH1-800-R3	MKH1-800-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	780/550/380	780/560/390	1050/750/490	1050/800/520	1100/920/660	1050/910/670	
	CFM	459/324/224	459/329/229	618/441/288	618/471/306	647/541/388	618/535/394	
External static pressure	Pa	0						
Cooling	Total Capacity (H/M/L)	kW	4.59/3.75/2.88	5.21/4.14/3.22	5.29/4.43/3.27	6.16/5.29/3.87	6.22/5.50/4.36	6.66/6.07/4.74
	Water flow rate (H/M/L)	m ³ /h	0.79/0.64/0.49	0.89/0.71/0.55	0.91/0.76/0.56	1.06/0.91/0.66	1.07/0.94/0.75	1.14/1.04/0.81
	Water pressure drop (H/M/L)	kPa	56.1/39.5/25.0	59.9/40.4/26.0	47.5/32.6/18.7	36.8/26.7/14.8	38.4/31.4/19.7	52.3/44.5/28.2
Heating	Capacity (H/M/L)	kW	5.13/3.90/2.96	5.33/4.25/3.23	5.42/4.50/3.35	6.53/5.30/3.92	6.94/6.00/4.62	6.86/6.13/4.76
	Water flow rate (H/M/L)	m ³ /h	0.88/0.67/0.51	0.91/0.73/0.55	0.93/0.77/0.57	1.12/0.91/0.67	1.19/1.03/0.79	1.18/1.05/0.82
	Water pressure drop (H/M/L)	kPa	56.0/36.8/23.0	59.4/36.8/21.2	51.0/34.0/18.6	38.5/26.2/13.4	40.7/28.8/17.0	50.0/38.3/23.3
Power input (H/M/L)	W	91/54/34	92/54/35	124/98/68	117/93/66	118/93/65	110/81/70	
Sound power level (H/M/L)	dB(A)	61/52/43	61/52/43	65/57/46	65/57/47	66/61/52	65/61/52	
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	1240x495x211	1240x495x211	1360x495x211	1360x495x211	1360x591x211	1360x591x211
	Packing size (WxHxD)	mm	1345x595x300	1345x595x300	1465x595x300	1465x595x300	1465x695x300	1465x695x300
	Net weight	kg	25.5	26.3	27.3	28.5	31.7	34.0
	Gross weight	kg	32.0	33.4	34.8	36.0	40.2	42.0
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Notes:
 1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
 2. Cooling conditions: Entering water 7 C, leaving water 12 C, Entering air temperature 27 C DB/19 C WB.
 Heating conditions: Entering water 45 C, leaving water 40 C, Entering air temperature 20 C DB/15 C WB.
 3. Noise is tested in a reverberation chamber.

2- Pipe 2nd Generation Ceiling&Floor

Model		MKH2-150-R3	MKH2-150-R4	MKH2-250-R3	MKH2-250-R4	MKH2-350-R3	MKH2-350-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	255/165/142	255/192/139	400/273/180	425/284/184	595/447/319	595/450/319	
	CFM	150/97/84	150/113/82	235/161/106	250/167/109	350/263/188	350/265/188	
External static pressure	Pa	0						
Cooling	Total Capacity (H/M/L)	kW	1.65/1.22/1.09	2.25/1.85/1.40	2.65/2.02/1.40	3.05/2.26/1.58	3.85/3.19/2.46	4.20/3.38/2.48
	Water flow rate (H/M/L)	L/h	283/209/186	386/317/241	454/346/240	523/387/272	660/546/422	720/580/425
	Water pressure drop (H/M/L)	kPa	15.75/9.33/7.37	33.19/22.37/14.64	18.03/11.18/5.48	26.71/15.66/8.42	38.23/27.11/16.96	41.15/27.07/15.71
Heating	Capacity (H/M/L)	kW	1.85/1.29/1.13	2.35/1.87/1.42	3.05/2.24/1.52	3.15/2.28/1.60	4.10/3.30/2.48	4.30/3.43/2.52
	Water flow rate (H/M/L)	L/h	317/222/194	403/320/244	523/384/260	540/392/275	705/568/427	740/590/433
	Water pressure drop (H/M/L)	kPa	15.13/8.22/6.64	33.19/22.37/14.64	17.56/10.28/5.43	23.31/12.57/6.11	35.52/24.83/14.91	37.20/24.50/13.75
Power input (H/M/L)	W	35/17/14	40/24/15	47/26/14	47/26/14	51/32/19	51/32/19	
Sound power level (H/M/L)	dB(A)	47/35/34	53/47/39	46/37/31	47/38/32	52/44/36	52/45/37	
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	
Body	Net dimensions (WxHxD)	mm	790x495x200	790x495x200	1020x495x200	1020x495x200	1240x495x200	1240x495x200
	Packing size (WxHxD)	mm	895x595x300	895x595x300	1125x595x300	1125x595x300	1345x595x300	1345x595x300
	Net weight	kg	16.3	16.7	20.0	20.8	24.0	25.4
	Gross weight	kg	21.8	22.7	26.8	26.8	31.0	32.4
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	

Model		MKH2-500-R3	MKH2-500-R4	MKH2-700-R3	MKH2-700-R4	MKH2-800-R3	MKH2-800-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	790/560/392	800/574/404	1190/855/555	1150/885/591	1300/1088/782	1300/1132/836	
	CFM	465/330/231	471/338/238	700/503/327	677/521/348	766/641/461	766/667/492	
External static pressure	Pa	0						
Cooling	Total Capacity (H/M/L)	kW	4.65/3.80/2.92	5.35/4.25/3.31	6.00/5.03/3.71	6.75/5.80/4.24	7.35/6.51/5.15	8.25/7.52/5.87
	Water flow rate (H/M/L)	L/h	797/652/500	917/729/567	1029/862/636	1157/995/727	1260/1116/884	1414/1289/1007
	Water pressure drop (H/M/L)	kPa	56.85/40.02/25.31	61.48/41.44/26.62	53.79/36.96/21.16	40.26/29.20/16.15	45.43/37.06/23.29	64.72/55.03/34.88
Heating	Capacity (H/M/L)	kW	5.20/3.95/3.00	5.70/4.36/3.31	6.15/5.10/3.80	7.15/5.81/4.30	8.20/7.09/5.46	8.50/7.60/5.90
	Water flow rate (H/M/L)	L/h	894/679/516	977/747/569	1054/877/654	1226/996/740	1406/1216/937	1457/1302/1015
	Water pressure drop (H/M/L)	kPa	56.68/37.31/23.25	60.89/37.73/21.79	57.85/38.53/21.1	42.16/28.68/14.66	44.60/34.09/19.98	61.96/47.46/28.84
Power input (H/M/L)	W	91/54/34	91/54/35	123/98/68	110/89/64	123/109/83	118/104/82	
Sound power level (H/M/L)	dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/50	63/58/50	
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	
Body	Net dimensions (WxHxD)	mm	1240x495x200	1240x495x200	1360x495x200	1360x495x200	1360x591x200	1360x591x200
	Packing size (WxHxD)	mm	1345x595x300	1345x595x300	1465x595x300	1465x595x300	1465x695x300	1465x695x300
	Net weight	kg	25.5	26.3	27.3	28.5	31.7	34.0
	Gross weight	kg	32.0	33.4	34.8	36.0	40.2	42.0
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.

Model		MKH3-150-R3	MKH3-150-R4	MKH3-250-R3	MKH3-250-R4	MKH3-350-R3	MKH3-350-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	255/165/142	255/192/139	400/273/180	425/284/184	595/447/319	595/450/319	
	CFM	150/97/84	150/113/82	235/161/106	250/167/109	350/263/188	350/265/188	
External static pressure	Pa	12						
Cooling	Total Capacity (H/M/L)	kW	1.65/1.22/1.09	2.25/1.85/1.40	2.65/2.02/1.40	3.05/2.26/1.58	3.85/3.19/2.46	4.20/3.38/2.48
	Water flow rate (H/M/L)	L/h	283/209/186	386/317/241	454/346/240	523/387/272	660/546/422	720/580/425
	Water pressure drop (H/M/L)	kPa	15.75/9.33/7.37	33.19/22.37/14.64	18.03/11.18/5.48	26.71/15.66/8.42	38.23/27.11/16.96	41.15/27.07/15.71
Heating	Capacity (H/M/L)	kW	1.85/1.29/1.13	2.35/1.87/1.42	3.05/2.24/1.52	3.15/2.28/1.60	4.10/3.30/2.48	4.30/3.43/2.52
	Water flow rate (H/M/L)	L/h	317/222/194	403/320/244	523/384/260	540/392/275	705/568/427	740/590/433
	Water pressure drop (H/M/L)	kPa	15.13/8.22/6.64	33.19/22.37/14.64	17.56/10.28/5.43	23.31/12.57/6.11	35.52/24.83/14.91	37.20/24.50/13.75
Power input (H/M/L)	W	35/17/14	40/24/15	47/26/14	47/26/14	51/32/19	51/32/19	
Sound power level (H/M/L)	dB(A)	47/35/34	53/47/39	46/37/31	47/38/32	52/44/36	52/45/37	
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	
Body	Net dimensions (WxHxD)	mm	607x455x200	607x455x200	837x455x200	837x455x200	1057x455x200	1057x455x200
	Packing size (WxHxD)	mm	755x555x255	755x555x255	985x555x255	985x555x255	1205x555x255	1205x555x255
	Net weight	kg	11.6	12.0	13.9	14.8	17.3	18.2
	Gross weight	kg	15.9	16.3	19.4	20.3	24.0	24.9
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	

Model		MKH3-500-R3	MKH3-500-R4	MKH3-700-R3	MKH3-700-R4	MKH3-800-R3	MKH3-800-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	790/560/392	800/574/404	1190/855/555	1150/885/591	1300/1088/782	1300/1132/836	
	CFM	465/330/231	471/338/238	700/503/327	677/521/348	766/641/461	766/667/492	
External static pressure	Pa	12						
Cooling	Total Capacity (H/M/L)	kW	4.65/3.80/2.92	5.35/4.25/3.31	6.00/5.03/3.71	6.75/5.80/4.24	7.35/6.51/5.15	8.25/7.52/5.87
	Water flow rate (H/M/L)	L/h	797/652/500	917/729/567	1029/862/636	1157/995/727	1260/1116/884	1414/1289/1007
	Water pressure drop (H/M/L)	kPa	56.85/40.02/25.31	61.48/41.44/26.62	53.79/36.96/21.16	40.26/29.20/16.15	45.43/37.06/23.29	64.72/55.03/34.88
Heating	Capacity (H/M/L)	kW	5.20/3.95/3.00	5.70/4.36/3.31	6.15/5.10/3.80	7.15/5.81/4.30	8.20/7.09/5.46	8.50/7.60/5.90
	Water flow rate (H/M/L)	L/h	894/679/516	977/747/569	1054/877/654	1226/996/740	1406/1216/937	1457/1302/1015
	Water pressure drop (H/M/L)	kPa	56.68/37.31/23.25	60.89/37.73/21.79	57.85/38.53/21.1	42.16/28.68/14.66	44.60/34.09/19.98	61.96/47.46/28.84
Power input (H/M/L)	W	91/54/34	91/54/35	123/98/68	110/89/64	123/109/83	118/104/82	
Sound power level (H/M/L)	dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/50	63/58/50	
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	
Body	Net dimensions (WxHxD)	mm	1057x455x200	1057x455x200	1177x455x200	1177x455x200	1177x500x200	1177x500x200
	Packing size (WxHxD)	mm	1205x555x255	1205x555x255	1325x555x255	1325x555x255	1325x650x255	1325x650x255
	Net weight	kg	17.9	18.8	20.5	21.7	24.0	25.2
	Gross weight	kg	24.6	25.5	27.3	28.5	31.1	32.3
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	ODΦ18.5	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.
4. H3 series test with concealed tooling.

4-Pipe 2nd Generation Ceiling&Floor

Model		MKH1-150F-R4	MKH1-250F-R4	MKH1-350F-R4	MKH1-500F-R4	MKH1-700F-R4	MKH1-800F-R4	
Power supply		V/Ph/Hz 220-240/1/50						
Air flow (H/M/L)		m³/h	245/180/130	380/250/160	580/430/310	780/560/390	1050/800/520	1050/910/670
		CFM	144/106/76	224/147/94	341/253/182	459/329/229	618/471/306	618/535/394
External static pressure		Pa	0					
Cooling	Total Capacity (H/M/L)	kW	1.87/1.54/1.10	2.58/1.83/1.12	3.99/3.27/2.29	4.92/3.95/3.12	5.84/5.10/3.65	6.18/5.65/4.44
	Water flow rate (H/M/L)	m³/h	0.321/0.26/0.19	0.44/0.31/0.19	0.68/0.56/0.39	0.84/0.68/0.54	1.00/0.87/0.63	1.06/0.97/0.76
	Water pressure drop (H/M/L)	kPa	26.4/18.0/11.5	19.1/10.7/4.5	46.5/32.2/17.8	69.3/46.6/31.2	57.6/44.3/24.9	40.8/35.3/22.8
Heating	Capacity (H/M/L)	kW	1.62/1.35/1.10	2.19/1.52/1.06	2.88/2.44/1.95	3.55/2.97/2.44	4.25/3.74/2.91	5.90/5.8/5.05
	Water flow rate (H/M/L)	m³/h	0.14/0.12/0.10	0.19/0.13/0.09	0.25/0.21/0.17	0.31/0.26/0.21	0.37/0.32/0.25	0.51/0.50/0.44
	Water pressure drop (H/M/L)	kPa	15.0/10.6/7.7	28.6/15.1/8.5	56.7/42.3/28.5	80.0/59.8/41.8	123.45/102.03/64.74	54.8/53.1/43.3
Power input (H/M/L)		W	40/24/15	47/26/15	51/32/19	92/54/35	117/93/66	110/81/70
Sound power level (H/M/L)		dB(A)	52/47/39	48/39/33	52/45/37	61/52/43	65/57/47	65/61/52
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	790x495x211	1020x495x211	1020x495x211	1020x495x211	1360x495x211	1360x591x211
	Packing size (WxHxD)	mm	895x595x300	1125x595x300	1125x595x300	1125x595x300	1465x595x300	1465x695x300
	Net weight	kg	17.2	21.3	25.9	26.8	29.0	34.5
	Gross weight	kg	23.2	27.3	32.9	33.9	36.5	42.5
Water inlet/outlet pipe		inch	Cold water: G3/4; Hot water: G1/2					
Drain pipe		mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5

Model		MKH2-150F-R4	MKH2-250F-R4	MKH2-350F-R4	MKH2-500F-R4	MKH2-700F-R4	MKH2-800F-R4	
Power supply		V/Ph/Hz 220-240/1/50						
Air flow (H/M/L)		m³/h	255/192/139	425/284/184	595/450/319	800/574/404	1150/885/591	1300/1132/836
		CFM	150/113/82	250/167/109	350/265/188	471/338/238	677/521/348	766/667/492
External static pressure		Pa	0					
Cooling	Sensible Capacity (H/M/L)	kW	1.50/1.20/0.78	2.05/1.39/0.84	2.94/2.38/1.60	3.80/2.95/2.25	4.90/4.25/2.95	5.85/5.28/4.05
	Total Capacity (H/M/L)	kW	1.95/1.60/1.15	2.89/2.05/1.25	4.09/3.35/2.35	5.05/4.05/3.20	6.40/5.59/4.00	7.65/7.00/5.50
	Water flow rate (H/M/L)	m³/h	0.33/0.28/0.20	0.50/0.35/0.21	0.70/0.57/0.40	0.87/0.69/0.55	1.10/0.96/0.69	1.31/1.20/0.94
	Water pressure drop (H/M/L)	kPa	27.47/19.63/12.54	21.38/11.95/4.99	47.7/33.04/18.22	71.09/47.81/31.95	63.05/48.47/27.23	50.47/43.72/28.23
Heating	Capacity (H/M/L)	kW	1.69/1.40/1.15	2.45/1.70/1.19	2.95/2.50/2.00	3.64/3.05/2.50	4.65/4.09/3.19	7.30/7.19/6.25
	Water flow rate (H/M/L)	m³/h	0.14/0.12/0.10	0.21/0.15/0.10	0.25/0.21/0.17	0.31/0.26/0.21	0.40/0.35/0.27	0.63/0.62/0.54
	Water pressure drop (H/M/L)	kPa	15.60/11.01/8.04	31.95/16.83/9.52	58.17/43.35/29.20	82.01/61.29/42.87	135.21/111.75/70.91	67.86/65.78/53.61
Power input (H/M/L)		W	40/24/15	47/26/14	51/32/19	91/54/35	110/89/64	118/104/82
Rated current		A	0.17/0.10/0.07	0.20/0.11/0.06	0.22/0.14/0.08	0.40/0.24/0.15	0.48/0.39/0.28	0.51/0.45/0.36
Sound power level (H/M/L)		dB(A)	53/47/39	47/38/32	52/45/37	59/51/43	62/56/46	63/58/50
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	790x495x200	1020x495x200	1020x495x200	1020x495x200	1360x495x200	1360x591x200
	Packing size (WxHxD)	mm	895x595x300	1125x595x300	1125x595x300	1125x595x300	1465x595x300	1465x695x300
	Net weight	kg	17.2	21.3	25.9	26.8	29.0	34.5
	Gross weight	kg	23.2	27.3	32.9	33.9	36.5	42.5
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe		mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.

Model		MKH3-150F-R4	MKH3-250F-R4	MKH3-350F-R4	MKH3-500F-R4	MKH3-700F-R4	MKH3-800F-R4	
Power supply		V/Ph/Hz 220-240/1/50						
Air flow (H/M/L)		m³/h	255/192/139	425/284/184	595/450/319	800/574/404	1150/885/591	1300/1132/836
		CFM	150/113/82	250/167/109	350/265/188	471/338/238	677/521/348	766/667/492
External static pressure		Pa	12					
Cooling	Sensible Capacity (H/M/L)	kW	1.50/1.20/0.78	2.05/1.39/0.84	2.94/2.38/1.60	3.80/2.95/2.25	4.90/4.25/2.95	5.85/5.28/4.05
	Total Capacity (H/M/L)	kW	1.95/1.60/1.15	2.89/2.05/1.25	4.09/3.35/2.35	5.05/4.05/3.20	6.40/5.59/4.00	7.65/7.00/5.50
	Water flow rate (H/M/L)	m³/h	0.33/0.28/0.20	0.50/0.35/0.21	0.70/0.57/0.40	0.87/0.69/0.55	1.10/0.96/0.69	1.31/1.20/0.94
	Water pressure drop (H/M/L)	kPa	27.47/19.63/12.54	21.38/11.95/4.99	47.7/33.04/18.22	71.09/47.81/31.95	63.05/48.47/27.23	50.47/43.72/28.23
Heating	Capacity (H/M/L)	kW	1.69/1.40/1.15	2.45/1.70/1.19	2.95/2.50/2.00	3.64/3.05/2.50	4.65/4.09/3.19	7.30/7.19/6.25
	Water flow rate (H/M/L)	m³/h	0.14/0.12/0.10	0.21/0.15/0.10	0.25/0.21/0.17	0.31/0.26/0.21	0.40/0.35/0.27	0.63/0.62/0.54
	Water pressure drop (H/M/L)	kPa	15.60/11.01/8.04	31.95/16.83/9.52	58.17/43.35/29.20	82.01/61.29/42.87	135.21/111.75/70.91	67.86/65.78/53.61
Power input (H/M/L)		W	40/24/15	47/26/14	51/32/19	91/54/35	110/89/64	118/104/82
Rated current		A	0.17/0.10/0.07	0.20/0.11/0.06	0.22/0.14/0.08	0.40/0.24/0.15	0.48/0.39/0.28	0.51/0.45/0.36
Sound power level (H/M/L)		dB(A)	53/47/39	47/38/32	52/45/37	59/51/43	62/56/46	63/58/50
Fan motor	Type	AC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	607x455x200	837x455x200	1057x455x200	1057x455x200	1177x455x200	1177x550x200
	Packing size (WxHxD)	mm	895x595x300	1125x595x300	1345x595x300	1345x595x300	1465x595x300	1465x695x300
	Net weight	kg	12.5	15.3	18.7	19.3	22.2	25.7
	Gross weight	kg	16.8	20.8	25.4	26.0	29.0	32.8
Water inlet/outlet pipe		inch	Cold water: G3/4; Hot water: G1/2					
Drain pipe		mm	ODØ18.5					

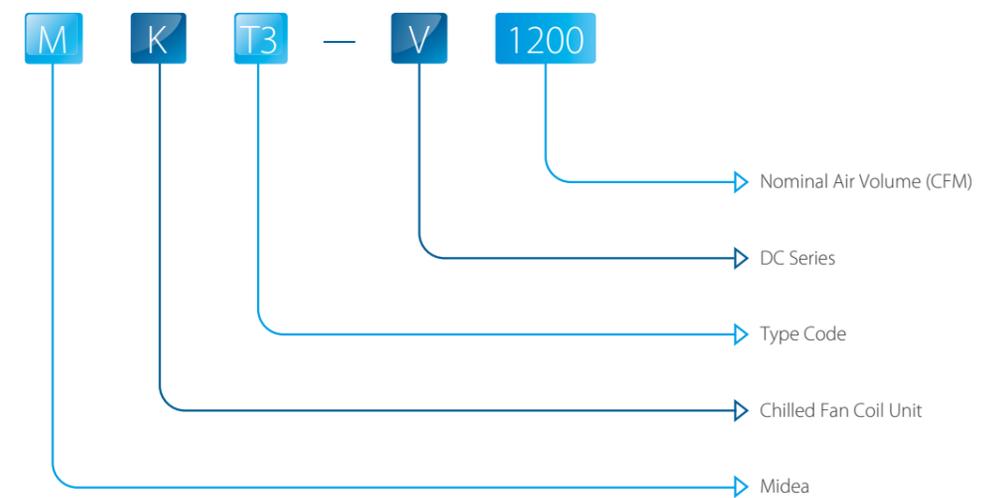
Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.
4. H3 series test with concealed tooling.



DC Fan Coil Units

Midea DC Fan Coil Units operate in high efficiency and low sound level due to the DC brushless fan motor. It contains cassette units, ceiling & floor units with or without cabinet, wall-mounted units and duct units. The air volume ranges from 150CFM to 1500CFM. It is a highly versatile product suitable for hospitals, office buildings, hotels, airports and various other applications.

Nomenclature

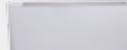


Product Lineup

2-Pipe FCUs

Model		150	200	250	300	350	400	450	500		600	700	750	800	850	900	950	1000	1200	1500
1-way cassette					⊙		⊙				⊙									
4-way cassette											⊙		⊙		⊙		⊙		⊙	⊙
Compact 4-way cassette					⊙		⊙		⊙											
Duct			⊙		⊙		⊙		⊙		⊙			⊙				⊙	⊙	
Wall mounted				⊙	⊙		⊙		⊙		⊙									
2 nd generation Ceiling&floor		⊙		⊙		⊙			⊙			⊙		⊙						

4-Pipe FCUs

Model		150	200	250	300	350	400	500		600	700	750	800	850	950	1000	1200	1500
4-way cassette										⊙		⊙		⊙	⊙		⊙	⊙
Compact 4-way cassette					⊙		⊙	⊙										
2 nd generation Ceiling&floor		⊙		⊙		⊙		⊙			⊙		⊙					

Notes:
The standard power supply for all fan coil units is 220V-240V/50Hz; 208-230V/60Hz can be customized for some series fan coil units. For further information, please contact with our salesmen.

DC Series Functions

Functions			One-way Cassette	Compact Four-way Cassette	Four-way Cassette	Wall Mounted	2 nd Generation Ceiling & Floor	Duct
Control Customization	Follow me	With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wireless remote controller.	○(KJR-29B)	○(KJR-29B)	○(KJR-29B)	○(KJR-29B)	○(KJR-29B)	×
	Anti cold air	Prevent the unit from cold supply air when starting in winter.	●	●	●	●	●	×
	Auto-restart	The unit restarts automatically with the previous settings after power failure.	●	●	●	●	●	×
	Forced fan running	After reaching the set temperature, the valve body closes and the fan operates according to the setting.	√	○	√	√	√	×
	Heat	Only electric auxiliary heating.	×	×	×	×	×	×
	Temperature compensation	Heating mode: $T_2 = T_1 + \Delta T$; Cooling mode: $T_2 = T_1 - \Delta T$ T2: Indoor Temperature, T1: Setting Temperature, ΔT : Temperature Compensation	√	○	√	√	√	×
	XYE Port	Communicate with central controllers or BMS.	○(XYE)	○(XYE)	○(XYE)	●	○(XYE)	○(FCU-kit)
	PQE Port	Communicate with Modbus.	○	○	○	○	○	×
	CCM18/CCM08/CCM15/BMS/IMM	Central controllers and BMS.	○(XYE)	○(XYE)	○(XYE)	●	○(XYE)	○(FCU-kit)
	0-10V output control	By outputting a 0-10 V level, the opening of the valve body is controlled to meet different energy requirements.	×	×	×	○	×	×
0-10V input control	By inputting a 0-10 V level to PCB, the fan motor speed is controlled to meet different energy requirements.	○	×	○	○	○	×	
Structure Customization	Right/Left piping connection	Left and right hand piping connections are optional, flexible installation.	×	×	×	×	●	●
	Electric auxiliary heating	Increase heating capacity with additional electric heater.	×	×	×	×	×	×
	Extended drainage pan	Drainage pan accessory.	×	×	×	×	×	○
	Auxiliary drainage pan		×	○	○	×	○	○

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

Advantage of Fan Coil Units with

DC Brushless Fan Motor

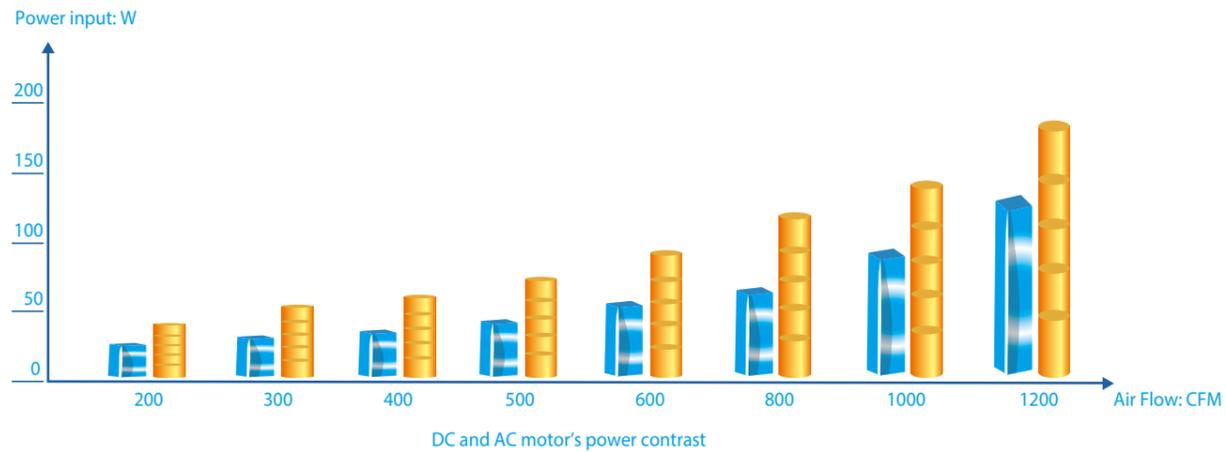
The DC fan coil units are the new energy saving products improved with advanced DC driven technology. The DC fan coil units have advanced technology of high energy efficiency, low noise operation and precise temperature control, so are ideal for hospitals, office building, hotels, airports and various other applications.



DC driven motor

Energy Efficiency, Comply with CE Regulation

The power consumption of DC driven fan coil units can be reduced up to 30% in comparison to corresponding AC type.



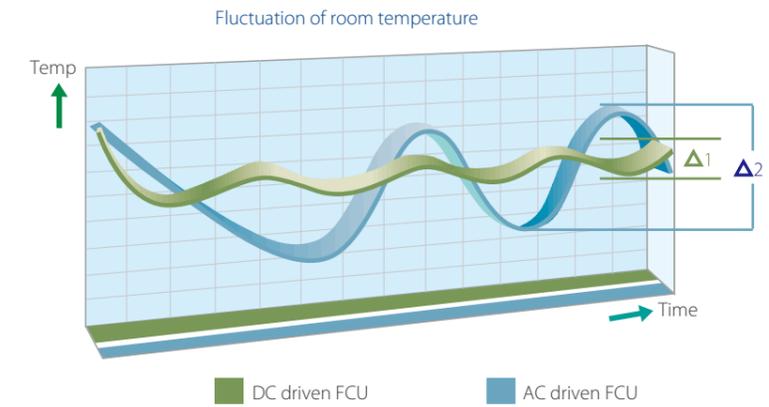
Quiet Operation

Unit noise is 2-5dB(A) lower compared to an AC motor fan coil unit, creating a quiet living environment.



Constant Level of Air Temperature and Humidity

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



Versatile Selection

Midea DC Fan Coil Units contain cassette units, ceiling & floor units with or without cabinet, wall-mounted units and duct units. The air volume ranges from 150CFM to 1500CFM. It is a highly versatile product suitable for hospitals, office buildings, hotels, airports and various other applications.



One-way Cassette



Model: 300/400/600 CFM



RM05
Standard



KJR-75A
Optional

Features

- Auto mode and 7 fan speed (by 75A wired controller).
- Hysteresis temperature can be set in heating and cooling mode by PCB switch, field adjustable.
- With/without forced fan on can be set by PCB switch, field adjustable.
- The centralized control function can be connected through the XYE port (customized).
- Remote on/off function can be applied to turn on/off the unit.
- The Gateway(Modbus) can be connected through the PQE port(customized).
- Wired controller KJR-75A is optional.
- Compatible with 0-10V input function(customized).

One way cassette has a compact size, it's suitable for application in narrow space such as the aisle, small office, elevator space etc.



Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions. (7 fan speed should be used KJR-75A wired controller)



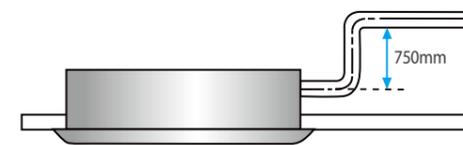
One Direction Air Flow

One direction air flow guarantees quick cooling, flexible installation positioning.



High-lift Pump

Standard built-in drain pump with 750mm pump head.



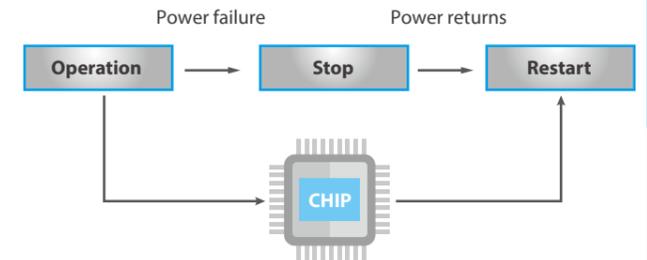
Min. 153mm Thickness

Compact design, ultra slim body with a minimum thickness of 153mm, especially suitable for narrow ceiling, such as in lobbies and small meeting rooms.



Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to Midea central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.

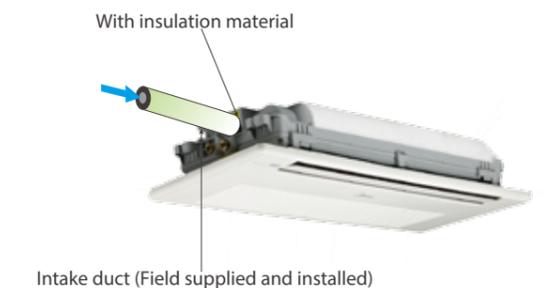


Fresh Air Intake

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

Knock out hole is available in the unit.

Installation and accessories such as booster fan is field supplied and installed.

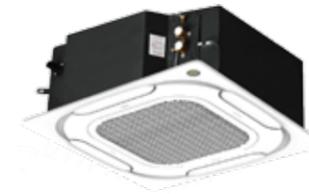


Model			MKC-V300R-B	MKC-V400R-B	MKC-V600R-B
Power supply		V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)		m ³ /h	510/432/330	630/509/428	1000/786/583
		CFM	300/254/194	371/299/252	588/462/343
Cooling	Capacity (H/M/L)	kW	2.64/2.23/1.68	3.94/3.43/3.07	5.09/4.36/3.58
	Water flow rate(H/M/L)	m ³ /h	0.49/0.42/0.33	0.6/0.52/0.45	0.87/0.7/0.55
	Water pressure drop(H/M/L)	kPa	8.63/6.26/3.69	23.85/18.07/14.8	38.22/28.95/19.41
	Power input(H/M/L)	W	22/18/14	23/19/17	38/27/19
Heating	Capacity (H/M/L)	kW	3.85/3.27/2.53	4.86/3.94/3.24	6.49/5.3/4.01
	Water flow rate(H/M/L)	m ³ /h	0.5/0.42/0.32	0.59/0.49/0.42	0.86/0.67/0.48
	Water pressure drop(H/M/L)	kPa	7.72/5.75/3.28	20.12/15.50/12.42	32.36/24.57/16.37
	Power input(H/M/L)	W	16/11/8	16/12/10	31/20/12
Sound pressure level (H/M/L)		dB(A)	44.3/40.6/33.5	36.6/32.6/30.4	44.6/38.6/33.1
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	2	2
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Φ7	Φ7	Φ7
Panel	Net dimensions (W×H×D)	mm	1180x25x465	1350x25x505	1350x25x505
	Packing size (W×H×D)	mm	1232x107x517	1410x95x560	1410x95x560
	Net weight	kg	3.5	4	4
	Gross weight	kg	5.2	5.4	5.4
Body	Net dimensions (W×H×D)	mm	1054x153x428	1275x189x450	1275x189x450
	Packing size (W×H×D)	mm	1155x245x490	1400x295x505	1400x295x505
	Net weight	kg	12.5	17.5	17.5
	Gross weight	kg	16.5	23.5	23.5
Pipe connections	Water inlet/outlet pipe	inch	G1/2	G1/2	G1/2
	Drain pipe	mm	ODΦ25	ODΦ25	ODΦ25

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB.
3. Noise is tested in a semi-anechoic test room.

Four-way Cassette



Model: 600/750/850/950/1200/1500 CFM

R05
StandardKJR-29B
Optional

Features

- 4-way air supply panel as standard, new 360° air supply panel is optional.
- Fresh air intake. also supply to side room.
- Built-in PCB and drain pump with pump head-750mm.
- Remote controller with LED display is standard, wired controller is optional.
- Safety grill for safety maintenance.
- Optional extended drainage pan for protecting your ceiling better.
- Compatible with 0-10V input function(customized).
- Available for 2/4 pipe system

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



Stylish Panel with Large Airflow Outlet

4-way air supply panel is standard for 4-way cassette.
360° air supply panel is optional for 4-way cassette.



NEW 360° panel

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



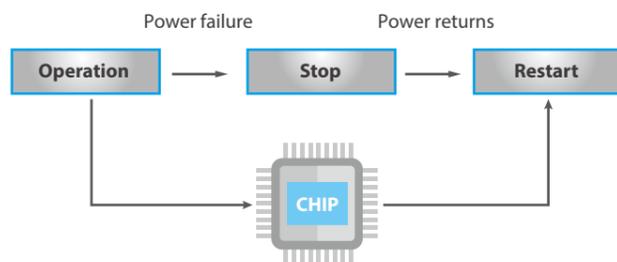
Individual louver control

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



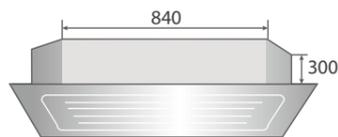
Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



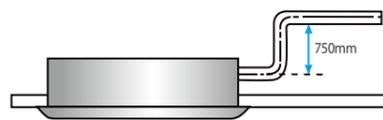
Various Selections

The height of models is 300mm, making the Four-way Cassette ideal for standard ceilings.



High-lift Drain Pump

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

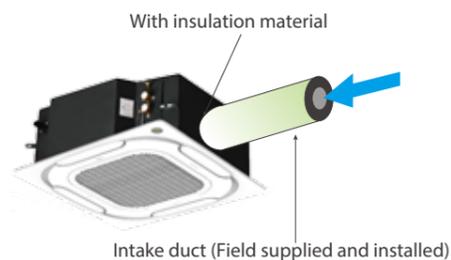


Fresh Air Intake

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

Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.



Control solutions

The fan coil units can be connected to Midea central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



2-Pipe 4-Way Cassette

Model		MKA-V600R	MKA-V750R	MKA-V850R	
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
Air flow (H/M/L)	m³/h	1175/987/768	1229/1020/810	1451/1146/1012	
	CFM	691/580/451	722/600/476	853/674/595	
Cooling¹	Capacity (H/M/L)	kW	5.93/5.3/4.4	6.12/5.45/4.6	7.52/6.46/5.89
	Water flow rate(H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81	1.37/1.18/1.07
	Water pressure drop(H/M/L)	kPa	19.2/15.4/11	21.3/21.3/12.4	20.1/15.3/12.6
	Power input(H/M/L)	W	41/27/17	49/31/20	68/37/30
Heating²	Capacity (H/M/L)	kW	6.06/5.72/5.32	6.27/5.88/5.43	7.88/7.48/6.76
	Water flow rate(H/M/L)	m³/h	1.30/1.14/1.13	1.39/1.20/1.00	1.66/1.39/1.25
	Water pressure drop(H/M/L)	kPa	25.9/20.1/19.9	30/22.7/16.3	26.7/18.8/15.6
	Power input(H/M/L)	W	42/28/17	44/32/21	66/37/28
Heating³	Capacity (H/M/L)	kW	8.42/7.37/6.06	8.62/7.49/6.27	10.37/8.72/7.88
	Water flow rate(H/M/L)	m³/h	1.06/0.92/0.77	1.10/0.96/0.81	1.37/1.18/1.07
	Water pressure drop(H/M/L)	kPa	16.9/12.7/8.6	19.1/14.8/10.6	18.2/13.6/11.1
	Power input(H/M/L)	W	42/28/17	49/31/19	67/37/28
Sound pressure level (H/M/L)	dB(A)	43/39/33	44/40/34	45/40/37	
Fan motor	Type		DC Motor	DC Motor	
	Quantity	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1	1	1	
Coil	Row	2	2	2	
	Max. Working pressure	MPa	1.6	1.6	1.6
Panel	Diameter	mm	Ø7	Ø7	
	Net dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
	Body	Net dimensions (WxHxD)	mm	840x230x840	840x230x840
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	ODØ82	ODØ82	ODØ82

Model		MKA-V950R	MKA-V1200R	MKA-V1500R	
Power supply	V/Ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	
Air flow (H/M/L)	m³/h	1530/1224/1101	1581/1371/1236	1871/1415/1198	
	CFM	900/720/647	930/806/727	1100/832/704	
Cooling¹	Capacity (H/M/L)	kW	7.84/6.84/6.35	7.87/7.12/6.67	11.19/8.82/7.48
	Water flow rate(H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22	1.96/1.53/1.28
	Water pressure drop(H/M/L)	kPa	22/17/14.1	22.3/18.1/16.3	36.6/22.7/16.4
	Power input(H/M/L)	W	75/42/34	85/59/45	126/58/39
Heating²	Capacity (H/M/L)	kW	8.49/8/7.35	9.16/8.54/7.9	10.07/9.37/8.68
	Water flow rate(H/M/L)	m³/h	1.71/1.45/1.33	1.73/1.57/1.46	2.35/1.86/1.59
	Water pressure drop(H/M/L)	kPa	28.1/20.7/17.4	28.8/24/20.7	49.2/31.2/23.3
	Power input(H/M/L)	W	76/43/33	86/59/45	128/58/38
Heating³	Capacity (H/M/L)	kW	10.86/9.24/8.49	10.92/9.84/9.16	14.92/11.73/10.07
	Water flow rate(H/M/L)	m³/h	1.43/1.24/1.13	1.44/1.28/1.22	1.96/1.53/1.28
	Water pressure drop(H/M/L)	kPa	19.9/15.2/12.6	20/16.2/14.7	34.3/21.3/15
	Power input(H/M/L)	W	76/42/33	85/58/45	127/58/39
Sound pressure level (H/M/L)	dB(A)	46/42/39	48/44/41	49/43/39	
Fan motor	Type	DC Motor			
	Quantity	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1	1	1	
Coil	Row	2	2	3	
	Max. Working pressure	MPa	1.6	1.6	1.6
Panel	Diameter	mm	Ø7	Ø7	
	Net dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
	Body	Net dimensions (WxHxD)	mm	840x300x840	840x300x840
Pipe connections	Water inlet/outlet pipe	inch	RC3/4	RC3/4	RC3/4
	Drain pipe	mm	ODØ82	ODØ82	ODØ82

Notes:

H:High fan speed; M: Medium fan speed; L: Low fan speed.

1: Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

2: Heating mode(1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

3: Heating mode(2): (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

4: Noise is tested in a semi-anechoic test room.

Model			MKA-V600FA	MKA-V750FA	MKA-V850FA
Power supply		V/Ph/Hz		220-240/1/50	
Air flow (H/M/L)		m ³ /h	1184/997/783	1278/1057/855	1328/1052/927
		CFM	696/586/460	751/621/502	780/618/545
Cooling ¹	Capacity (H/M/L)	kW	4.96/4.383/3.642	5.178/4.563/3.875	5.129/4.413/4.06
	Water flow rate(H/M/L)	m ³ /h	0.9/0.8/0.67	0.94/0.83/0.71	0.93/0.81/0.75
	Water pressure drop(H/M/L)	kPa	14.8/11.5/8.1	15.9/12.4/9	16/14.2/10.4
	Power input(H/M/L)	W	62/44/30	72/50/35	80/49/40
Heating ²	Capacity (H/M/L)	kW	6.148/5.43/4.614	6.519/5.785/4.944	6.684/5.748/5.283
	Water flow rate(H/M/L)	m ³ /h	0.58/0.52/0.45	0.61/0.55/0.47	0.62/0.54/0.50
	Water pressure drop(H/M/L)	kPa	25.3/20.5/14.5	32/25.7/19.1	32.6/24.7/21.2
	Power input(H/M/L)	W	56/36/21	67/42/25	75/41/31
Heating ³	Capacity (H/M/L)	kW	6.94/6.217/5.266	7.374/6.533/5.6	7.657/6.584/6.033
	Water flow rate(H/M/L)	m ³ /h	0.64/0.58/0.50	0.68/0.61/0.53	0.71/0.61/0.57
	Water pressure drop(H/M/L)	kPa	37.2/26.1/19.3	39.5/32.5/23.8	41.6/31.5/26.8
	Power input(H/M/L)	W	55/36/21	68/43/25	76/42/31
Sound power level	(H/M/L)	dB(A)	54/49/43	56/51/45	57/51/48
Sound pressure level	(H/M/L)	dB(A)	42/37/31	44/39/33	45/39/36
Rated current		A	0.48	0.6	0.72
Fan motor	Type		7	DC motor	DC motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1		1
Coil	Row		2	2	2
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7
	Net dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
Panel	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
	Net dimensions (WxHxD)	mm	840x300x840	840x300x840	840x300x840
Body	Packing size (WxHxD)	mm	900x330x900	900x330x900	900x330x900
	Net weight	kg	27.5	27.5	27.5
	Gross weight	kg	33.5	33.5	33.5
	Water inlet/outlet pipe	inch	Cold water: RC3/4; Hot water: RC1/2		
Drain pipe	mm	ODØ32	ODØ32	ODØ32	

Model			MKA-V950FA	MKA-V1200FA	MKA-V1500FA
Power supply		V/Ph/Hz		220-240/1/50	
Air flow (H/M/L)		m ³ /h	1403/1115/1001	1642/1421/1285	1708/1297/1096
		CFM	824/655/588	965/835/755	1004/762/644
Cooling ¹	Capacity (H/M/L)	kW	5.306/4.593/4.279	7.984/7.245/6.697	8.038/6.623/5.837
	Water flow rate(H/M/L)	m ³ /h	0.96/0.84/0.78	1.42/1.29/1.2	1.43/1.19/1.05
	Water pressure drop(H/M/L)	kPa	16.4/12.6/10.9	33.9/30/24	33/22.6/17.7
	Power input(H/M/L)	W	90/54/43	121/83/66	139/70/49
Heating ²	Capacity (H/M/L)	kW	6.736/5.833/5.442	9.746/8.962/8.422	9.93/8.326/7.512
	Water flow rate(H/M/L)	m ³ /h	0.63/0.55/0.52	0.89/0.82/0.77	0.90/0.76/0.69
	Water pressure drop(H/M/L)	kPa	34/26.6/23.5	42.4/36.6/32.6	48.7/32.5/27
	Power input(H/M/L)	W	84/46/35	118/79/61	125/64/42
Heating ³	Capacity (H/M/L)	kW	7.659/6.646/6.204	11.045/10.149/9.527	11.342/9.596/8.683
	Water flow rate(H/M/L)	m ³ /h	0.71/0.62/0.58	1.0/0.92/0.87	1.02/0.87/0.79
	Water pressure drop(H/M/L)	kPa	43.8/33.5/29.3	52.1/44.9/40.6	62.1/45.7/38.3
	Power input(H/M/L)	W	84/45/35	118/79/61	125/64/42
Sound power level	(H/M/L)	dB(A)	58/53/50	60/56/54	61/55/50
Sound pressure level	(H/M/L)	dB(A)	46/41/38	48/44/42	49/43/38
Rated current		A	0.72	1.08	1.32
Fan motor	Type		DC motor	DC motor	DC motor
	Quantity		1	1	1
Fan	Type		Centrifugal, forward-curved Blades		
	Quantity		1	1	1
Coil	Row		2	3	3
	Max. working pressure	MPa	1.6	1.6	1.6
	Diameter	mm	Ø7	Ø7	Ø7
	Net dimensions (WxHxD)	mm	950x45x950	950x45x950	950x45x950
Panel	Packing size (WxHxD)	mm	1035x90x1035	1035x90x1035	1035x90x1035
	Net weight	kg	6	6	6
	Gross weight	kg	9	9	9
	Net dimensions (WxHxD)	mm	840x300x840	840x300x840	840x300x840
Body	Packing size (WxHxD)	mm	900x330x900	900x330x900	900x330x900
	Net weight	kg	27.5	30	30
	Gross weight	kg	32.4	35	35
	Water inlet/outlet pipe	inch	Cold water: RC3/4; Hot water: RC1/2		
Drain pipe	mm	ODØ32	ODØ32	ODØ32	

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1: Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C.

2: Heating mode(1): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 65/55°C.

3: Heating mode(2): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 70/60°C.

4.Sound pressure level is tested in a semi-anechoic test room.

5.Sound power level is tested in a reverberation chamber.

Compact Four-way Cassette



Model: 300/400/500 CFM

R05
StandardKJR-29B
Optional

Features

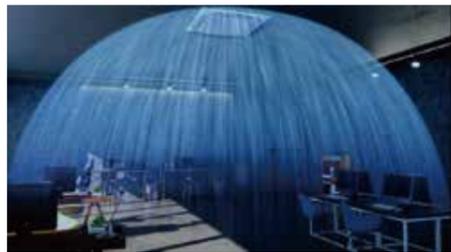
- 360° air supply panel is standard
- Fresh air intake, also supply to side room.
- Built-in PCB and drain pump with pump head-500mm.
- Remote controller with LED display is standard, wired controller is optional.
- Safety grill for safety maintenance.
- Optional extended drainage pan for protecting your ceiling better.
- Available for 2/4 pipe system.

Compact design allows installation in shallow ceilings.



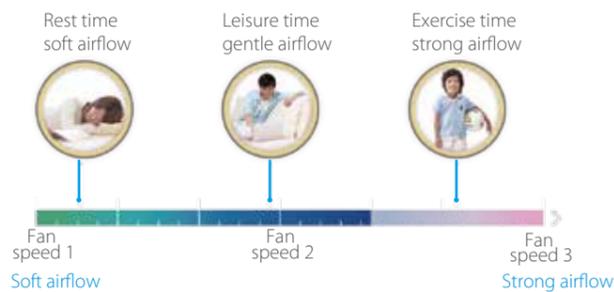
360 ° Airflow

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



Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions.

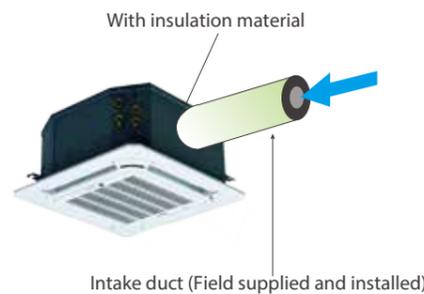


Fresh Air Intake

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

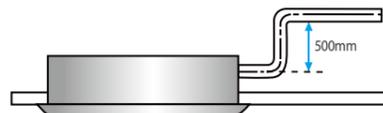
Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.



High-lift Drain Pump

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



2-Pipe Compact 4-Way Cassette

Model		MKD-V300	MKD-V400	MKD-V500
Power supply	V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)	m ³ /h	535/429/322	610/477/381	781/611/494
	CFM	314/252/189	359/281/224	459/359/290
	kW	2.98/2.53/2	3.96/3.26/2.76	4.2/3.48/3.01
Cooling ¹	Capacity (H/M/L)	m ³ /h	0.53/0.45/0.35	0.7/0.58/0.51
	Water flow rate(H/M/L)	kPa	10/7/5	11.48/8.2/6.54
	Water pressure drop(H/M/L)	W	15/9/5	28/15/9
	Power input(H/M/L)	kW	2.61/2.31/2.24	4.08/3.34/2.73
Heating ²	Capacity (H/M/L)	m ³ /h	0.64/0.54/0.42	0.83/0.67/0.56
	Water flow rate(H/M/L)	kPa	12.1/8.5/5.3	9.2/8.6/6
	Water pressure drop(H/M/L)	W	15/9/5	28/16/10
	Power input(H/M/L)	kW	4.01/3.35/2.61	4.78/3.84/3.18
Heating ³	Capacity (H/M/L)	m ³ /h	0.53/0.45/0.35	0.7/0.58/0.51
	Water flow rate(H/M/L)	kPa	8.2/6/3.8	12.68/6.4/4.92
	Water pressure drop(H/M/L)	W	14/9/5	28/16/10
	Power input(H/M/L)	kW	3.9/3.3/2.7	4.2/3.6/3.0
Sound pressure level	(H/M/L) dB(A)	39/33/27		
Fan motor	Type	DC Motor		
	Quantity	1		
Fan	Type	Centrifugal, forward-curved Blades		
	Quantity	1		
Coil	Row	2		
	Max. working pressure	MPa	1.6	
	Diameter	mm	Ø7	
Panel	Net dimensions (WxHxD)	mm	647x50x647	
	Packing size (WxHxD)	mm	715x123x715	
	Net weight	kg	2.5	
	Gross weight	kg	4.5	
Body	Net dimensions (WxHxD)	mm	575x261x575	
	Packing size (WxHxD)	mm	670x290x670	
	Net weight	kg	16.5	
	Gross weight	kg	22.5	
Pipe connections	Water inlet/outlet pipe	inch	G3/4	
	Drain pipe	mm	ODØ25	

4-Pipe Compact 4-Way Cassette

Model		MKD-V300FA	MKD-V400FA	MKD-V500FA
Power supply	V/Ph/Hz	220-240/1/50		
Air flow (H/M/L)	m ³ /h	493/395/295	669/523/415	673/526/425
	CFM	290/232/173	393/307/244	395/309/250
	kW	2.161/1.861/1.485	2.777/2.375/2.045	2.771/2.382/2.069
Cooling ¹	Capacity (H/M/L)	m ³ /h	0.42/0.37/0.3	0.56/0.49/0.43
	Water flow rate(H/M/L)	kPa	17.4/13.5/9.3	13.15/9.4/7
	Water pressure drop(H/M/L)	W	15/10/6	30/26/21
	Power input(H/M/L)	kW	3.131/2.628/2.077	3.711/3.138/2.65
Heating ²	Capacity (H/M/L)	m ³ /h	0.32/0.28/0.23	0.37/0.32/0.28
	Water flow rate(H/M/L)	kPa	23.5/17.1/11.3	24.1/17.9/13.1
	Water pressure drop(H/M/L)	W	17/10/6	32/18/11
	Power input(H/M/L)	kW	3.564/2.989/2.356	4.251/3.584/3.023
Heating ³	Capacity (H/M/L)	m ³ /h	0.36/0.31/0.25	0.41/0.36/0.31
	Water flow rate(H/M/L)	kPa	29.8/21.7/14.3	30.4/22.2/16.7
	Water pressure drop(H/M/L)	W	17/10/6	31/18/11
	Power input(H/M/L)	kW	5.1/45/39	54/47/42
Sound power level	(H/M/L) dB(A)	39/33/27		
Sound pressure level	(H/M/L) dB(A)	42/35/30		
Rated current	A	0.24		
Fan motor	Type	DC motor		
	Quantity	1		
Fan	Type	Centrifugal, forward-curved Blades		
	Quantity	1		
Coil	Row	2		
	Max. working pressure	MPa	1.6	
	Diameter	mm	Ø7	
Panel	Net dimensions (WxHxD)	mm	647x50x647	
	Packing size (WxHxD)	mm	715x123x715	
	Net weight	kg	2.5	
	Gross weight	kg	4.5	
Body	Net dimensions (WxHxD)	mm	575x261x575	
	Packing size (WxHxD)	mm	675x320x675	
	Net weight	kg	16.7	
	Gross weight	kg	22.7	
Pipe connections	Water inlet/outlet pipe	inch	Cold water: G3/4; Hot water: G1/2	
	Drain pipe	mm	ODØ25	

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1: Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C/12°C.

2: Heating mode(1): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 65/55°C.

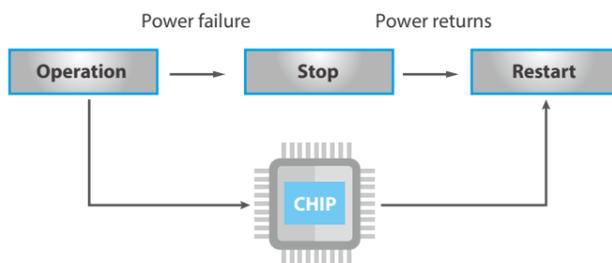
3: Heating mode(2): (4-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 70/60°C.

4.Sound pressure level is tested in a semi-anechoic test room.

5.Sound power level is tested in a reverberation chamber.

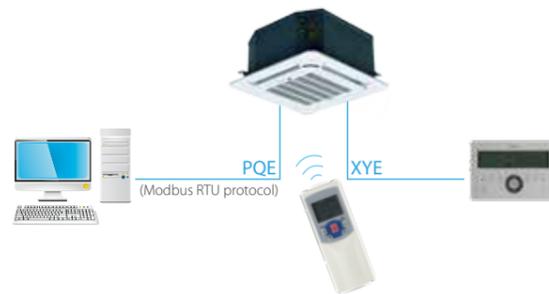
Auto restart

In the event of a sudden power failure during operation,unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to Midea central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.

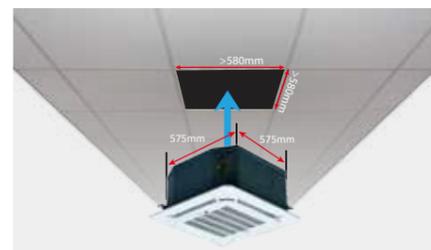


Compact design

The height of models 300 to 500 is just 261mm, making the Compact Four-way Cassette ideal for standard ceilings.



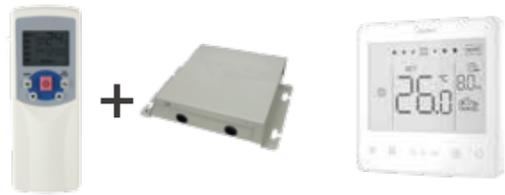
Compact Four-way Cassette body dimension is only 575 mm x 575 mm which can easily fits into less to 585 mm ceiling grid.



Duct series



Model: 200/300/400/600/800/1000/1200CFM



RM05+FCU KIT
Optional

KJRP-86I/MFK-E (Optional)
KJRP-86A/BMFnVKD-E (Optional)

Features

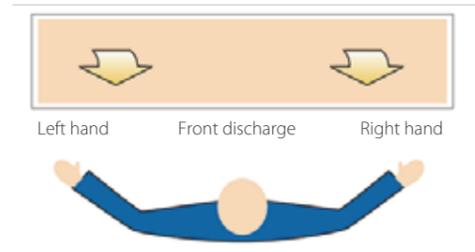
- 2, 3 or 4 row for 2-pipe system and 3 row can be customization for 4-pipe system.
- Different static pressures (12/30/50Pa) can be selected by dialing the PCB.
- Washable filter: Iron frame filter is standard, and aluminum frame filter can be customized.
- Compatible with two types of air return: Back return is standard, bottom return is optional.
- Left or right hand piping connections are easily change in filed.
- Available for fresh air intake.

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



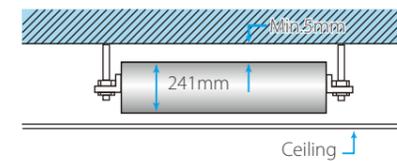
Flexible Installation

Left and right hand piping connections are optional, flexible installation.



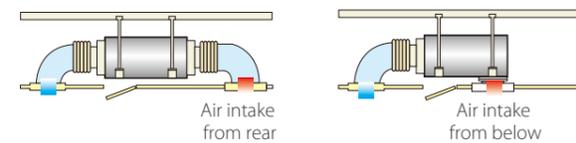
Compact Size

All the units are 241mm high, easy for limited space to installation.



Flexible Air Inlet Port Installation

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

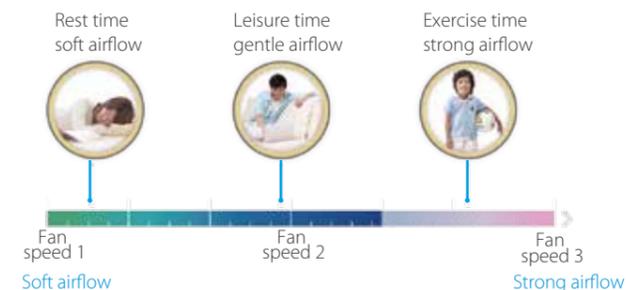


Extension water pan are optional to protect the ceiling from moisture.



Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



Control solutions

The duct series controlled by Wired controller, Central controller or BMS need to be customization FCU KIT.



Fresh Air Intake

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

Knock out hole is available in the unit.

Accessories such as booster fan must be supplied on field and installed.



Washable filter

Iron frame filter is standard, and aluminum frame filter can be customized.

Air outlet flange and multi-direction pull-out filter can be customized.



2-Pipe 2-Row Duct

Model		MKT2-V200	MKT2-V300	MKT2-V400	MKT2-V500	
Power supply		220-240/1/50				
Air flow (H/M/L)		V/Ph/Hz				
		m ³ /h	439/295/221	615/439/310	792/622/413	887/620/443
		CFM	258/173/130	361/258/182	465/365/242	521/364/260
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling ¹	Capacity (H/M/L)	kW	2.02/1.52/1.17	2.82/2.33/1.79	3.31/2.78/2.14	3.83/3.16/2.55
	Water flow rate(H/M/L)	m ³ /h	0.37/0.28/0.22	0.51/0.41/0.32	0.59/0.50/0.38	0.68/0.56/0.46
	Water pressure drop(H/M/L)	kPa	6.3/3.62/2.17	14.16/10.5/7.33	19.37/14.79/9.57	23.7/17.1/11.9
	Power input(H/M/L)	W	18/9/6	25/15/11	29/16/9	42/20/11
Heating ²	Capacity (H/M/L)	kW	2.57/1.89/1.47	3.56/2.8/2.08	4.19/3.42/2.49	4.84/3.9/3.01
	Water flow rate(H/M/L)	m ³ /h	0.47/0.34/0.27	0.62/0.50/0.37	0.72/0.6/0.45	0.84/0.69/0.53
	Water pressure drop(H/M/L)	kPa	5.64/4.5/2.9	10.54/10.3/6.3	16.20/16.6/10	30.8/32.4/20
	Power input(H/M/L)	W	19/9/7	25/15/11	32/17/9	45/22/12
Heating ³	Capacity (H/M/L)	kW	2.98/2.22/1.73	4.12/3.26/2.39	4.91/4.1/3.02	5.6/4.49/3.45
	Water flow rate(H/M/L)	m ³ /h	0.37/0.28/0.22	0.51/0.41/0.32	0.59/0.50/0.38	0.68/0.56/0.46
	Water pressure drop(H/M/L)	kPa	7.91/3.5/2.3	15.39/7.41/4.83	23.12/09/7.81	29.04/14.16/9.71
	Power input(H/M/L)	W	19/9/7	25/15/11	31/18/9	45/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	37.5/27.4/24.0	40.3/33.1/26.7	41.1/34.7/26.8	44.6/36.8/29.4
Fan motor	Type	DC Motor				
Fan	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
Fan	Quantity	2				
Coil	Row	2				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Ø9.52			
Net dimensions (WxHxD)	mm	741x241x522				
Packing size (WxHxD)	mm	790x260x555				
Net weight	kg	16.5				
Gross weight	kg	19				
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	ZG3/4				

Model		MKT2-V600	MKT2-V800	MKT2-V1000	MKT2-V1200	
Power supply		220-240/1/50				
Air flow (H/M/L)		V/Ph/Hz				
		m ³ /h	1081/821/586	1492/1071/797	1824/1332/906	2327/1669/1135
		CFM	635/482/344	877/630/468	1072/783/532	1368/981/667
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling ¹	Capacity (H/M/L)	kW	4.78/4.01/3.09	6.7/5.49/4.45	7.92/6.62/5.15	9.83/8.5/6.46
	Water flow rate(H/M/L)	m ³ /h	0.85/0.69/0.54	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water pressure drop(H/M/L)	kPa	14.2/9.8/6.1	15.1/10.89/7.82	23.2/16.44/10.94	50.33/30.4/21.71
	Power input(H/M/L)	W	53/25/12	62/28/16	93/42/19	111/53/24
Heating ²	Capacity (H/M/L)	kW	6.25/5.17/4.03	8.39/6.64/5.2	9.92/7.94/5.86	12.58/10.24/7.57
	Water flow rate(H/M/L)	m ³ /h	1.10/0.91/0.7	1.46/1.17/0.91	1.69/1.38/1.01	2.17/1.79/1.34
	Water pressure drop(H/M/L)	kPa	12.36/14.2/8.9	13.26/13.1/8.28	19.72/18.87/11.07	38.30/41.81/26.5
	Power input(H/M/L)	W	58/27/13	66/30/16	100/44/19	118/55/24
Heating ³	Capacity (H/M/L)	kW	7.19/5.92/4.55	9.87/7.83/6.29	11.63/9.37/6.96	14.58/11.82/8.83
	Water flow rate(H/M/L)	m ³ /h	0.85/0.69/0.54	1.19/0.96/0.80	1.43/1.17/0.91	1.74/1.42/1.12
	Water pressure drop(H/M/L)	kPa	19.88/8.56/5.4	19.36/9.03/6.4	26.68/13.96/9.1	60.7/26.5/17.8
	Power input(H/M/L)	W	58/27/13	66/30/17	99/45/19	119/55/24
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/38.9/29.9	47.7/39.4/31.1	50.2/43.0/33.0	50.9/44.0/33.8
Fan motor	Type	DC Motor				
Fan	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
Fan	Quantity	2				
Coil	Row	2				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Ø9.52			
Net dimensions (WxHxD)	mm	1161x241x522				
Packing size (WxHxD)	mm	1210x260x560				
Net weight	kg	22.2				
Gross weight	kg	26				
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	ZG3/4				

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1. Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

2. Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

3. Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

4. Sound pressure level is tested in a semi-anechoic test room.

5. The external static pressure test condition is 0 Pa.

2-Pipe 3-Row Duct

Model		MKT3-V200	MKT3-V300	MKT3-V400	MKT3-V500	
Power supply		220-240/1/50				
Air flow (H/M/L)		V/Ph/Hz				
		m ³ /h	411/273/171	531/442/311	734/564/389	865/626/441
		CFM	241/160/100	312/260/182	431/331/228	508/368/259
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling ¹	Capacity (H/M/L)	kW	2.35/1.72/1.32	3.12/2.72/2.1	3.99/3.26/2.5	4.46/3.59/2.83
	Water flow rate(H/M/L)	m ³ /h	0.43/0.31/0.25	0.6/0.48/0.37	0.69/0.57/0.43	0.79/0.63/0.50
	Water pressure drop(H/M/L)	kPa	13.6/8.6/6.3	23.8/16.4/11.3	13/9.3/5.8	16.4/11.3/7.6
	Power input(H/M/L)	W	17/9/7	23/15/10	26/15/9	39/19/11
Heating ²	Capacity (H/M/L)	kW	2.68/1.99/1.42	3.82/3.08/2.28	4.7/3.85/2.77	5.27/4.21/3.21
	Water flow rate(H/M/L)	m ³ /h	0.49/0.35/0.26	0.67/0.54/0.41	0.82/0.67/0.50	0.92/0.73/0.57
	Water pressure drop(H/M/L)	kPa	12.6/7.6/4.9	25/17.6/11.3	13/10.5/6.2	18.4/12.4/8.1
	Power input(H/M/L)	W	18/9/7	23/15/10	26/16/9	43/21/11
Heating ³	Capacity (H/M/L)	kW	3.17/2.27/1.75	4.51/3.61/2.71	5.52/4.55/3.27	6.26/4.99/3.81
	Water flow rate(H/M/L)	m ³ /h	0.43/0.31/0.25	0.60/0.48/0.37	0.69/0.57/0.43	0.79/0.63/0.50
	Water pressure drop(H/M/L)	kPa	10.3/6.1/4.2	19.2/12.9/8.5	10.8/7.7/4.8	13.7/9.5/6.3
	Power input(H/M/L)	W	18/9/7	23/15/10	28/16/9	43/21/11
Sound pressure level	0Pa (H/M/L)	dB(A)	38.1/28.4/23.4	36.4/29.5/20.7	38.4/32.2/24.0	44.3/36.3/27.9
Fan motor	Type	DC Motor				
Fan	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
Fan	Quantity	2				
Coil	Row	3				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Ø9.52			
Net dimensions (WxHxD)	mm	741x241x522				
Packing size (WxHxD)	mm	790x260x555				
Net weight	kg	16.7				
Gross weight	kg	19.7				
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	ZG3/4				

Model		MKT3-V600	MKT3-V800	MKT3-V1000	MKT3-V1200	
Power supply		220-240/1/50				
Air flow (H/M/L)		V/Ph/Hz				
		m ³ /h	1022/760/544	1452/1038/781	1824/1332/906	2134/1581/1083
		CFM	601/447/320	854/610/459	1072/783/532	1255/930/637
Standard external static pressure		Pa	12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling ¹	Capacity (H/M/L)	kW	5.85/4.82/3.78	8.02/6.36/5.08	8.96/7.37/5.66	10.79/8.86/6.79
	Water flow rate(H/M/L)	m ³ /h	1.05/0.85/0.65	1.42/1.11/0.89	1.59/1.29/0.98	1.93/1.57/1.20
	Water pressure drop(H/M/L)	kPa	31.4/22/14.2	31.6/20.5/13.9	24.1/16.9/10.8	26.3/18.8/12.8
	Power input(H/M/L)	W	49/24/12	60/28/16	96/43/19	106/49/24
Heating ²	Capacity (H/M/L)	kW	6.62/5.38/4	9.15/7.08/5.58	10.74/8.55/6.35	12.62/10.15/7.47
	Water flow rate(H/M/L)	m ³ /h	1.15/0.94/0.71	1.59/1.26/0.98	1.88/1.51/1.13	2.23/1.78/1.31
	Water pressure drop(H/M/L)	kPa	31.7/22.2/13.6	32.9/21.6/13.9	28.3/19.4/12	29.4/20/11.9
	Power input(H/M/L)	W	53/26/12	65/30/17	100/45/20	115/52/22
Heating ³	Capacity (H/M/L)	kW	7.84/6.35/4.81	10.88/8.46/6.68	12.61/10.04/7.35	14.9/11.92/8.89
	Water flow rate(H/M/L)	m ³ /h	1.05/0.85/0.65	1.42/1.11/0.89	1.59/1.29/0.98	1.93/1.57/1.20
	Water pressure drop(H/M/L)	kPa	26.4/18.2/11.4	26.3/16.9/11.5	21.1/14.8/9.5	22.6/16/10.2
	Power input(H/M/L)	W	52/25/13	65/30/17	99/44/19	114/51/22
Sound pressure level	0Pa (H/M/L)	dB(A)	46.1/39.0/30.3	44.9/36.1/27.7	47.8/40.7/30.7	48.9/41.8/31.7
Fan motor	Type	DC Motor				
Fan	Quantity	1				
Fan	Type	Centrifugal, forward-curved Blades				
Fan	Quantity	2				
Coil	Row	3				
	Max. working pressure	MPa	1.6			
	Diameter	mm	Ø9.52			
Net dimensions (WxHxD)	mm	1161x241x522				
Packing size (WxHxD)	mm	1210x260x560				
Net weight	kg	23.7				
Gross weight	kg	27.2				
Water inlet/outlet pipe	inch	RC3/4				
Drain pipe	inch	ZG3/4				

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1. Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/19°C WB, entering/leaving water temperature 7°C /12°C.

2. Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

3. Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

4. Sound pressure level is tested in a semi-anechoic test room.

5. The external static pressure test condition is 0 Pa.

Model		MKT4-V200	MKT4-V300	MKT4-V400	MKT4-V500
Power supply		V/Ph/Hz 220-240/1/50			
Air flow (H/M/L)		m ³ /h 441/297/227	627/468/338	778/537/349	884/642/461
		CFM 259/174/133	368/275/198	458/316/205	520/377/271
Standard external static pressure		Pa 12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling ¹	Capacity (H/M/L)	kW 2.22/1.59/1.2	3.19/2.58/1.87	4.06/3.26/2.41	4.46/3.56/2.78
	Water flow rate(H/M/L)	m ³ /h 0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43	0.80/0.63/0.50
	Water pressure drop(H/M/L)	kPa 2.44/1.52/1	5.24/3.61/2.36	8.4/5.9/3.49	11.6/8.1/5.6
	Power input(H/M/L)	W 17/9/6	21/12/7	29/16/9	43/23/14
Heating ²	Capacity (H/M/L)	kW 2.81/2/1.54	3.88/3.09/2.35	4.19/3.42/2.49	5.44/4.23/3.23
	Water flow rate(H/M/L)	m ³ /h 0.51/0.37/0.29	0.67/0.56/0.42	0.84/0.68/0.51	0.96/0.76/0.57
	Water pressure drop(H/M/L)	kPa 2/1.76/1.2	4.3/4.29/2.8	6.99/6.4/3.8	10.64/9.83/6.68
	Power input(H/M/L)	W 18/9/7	23/13/8	32/18/10	41/22/12
Heating ³	Capacity (H/M/L)	kW 3.23/2.32/1.75	4.5/3.6/2.68	5.6/4.59/3.36	6.25/4.88/3.74
	Water flow rate(H/M/L)	m ³ /h 0.40/0.30/0.23	0.57/0.47/0.34	0.72/0.59/0.43	0.80/0.63/0.50
	Water pressure drop(H/M/L)	kPa 2.99/1.2/0.71	5.85/3.1/1.9	9.1/4.9/2.8	14.06/7.6/5.5
	Power input(H/M/L)	W 19/9/6	23/13/8	32/18/10	42/21/11
Sound pressure level	OPa (H/M/L)	dB(A) 37.3/27.4/22.2	39.6/32.5/25.0	41.1/34.5/26.4	44.8/37.2/29.8
Fan motor	Type	DC Motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	1			
Coil	Row	4			
	Max. working pressure	MPa 1.6			
Net dimensions (W×H×D)	Diameter	mm 1161×241×522			
	Packing size (W×H×D)	mm 1210×260×560			
Net weight	kg	25			
Gross weight	kg	28.8			
Water inlet/outlet pipe	inch	RC3/4			
Drain pipe	inch	ZG3/4			

Model		MKT4-V600	MKT4-V800	MKT4-V1000	MKT4-V1200
Power supply		V/Ph/Hz 220-240/1/50			
Air flow (H/M/L)		m ³ /h 1056/793/575	1506/1084/822	1813/1341/932	2134/1617/1119
		CFM 621/466/338	885/637/483	1066/788/548	1255/951/658
Standard external static pressure		Pa 12Pa (default); 30/50Pa can be set through dial switch on PCB			
Cooling ¹	Capacity (H/M/L)	kW 5.87/4.78/3.68	6.65/5.04/3.61	7.98/6.19/4.37	9.76/7.81/5.72
	Water flow rate(H/M/L)	m ³ /h 1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78	1.78/1.41/1.02
	Water pressure drop(H/M/L)	kPa 19.4/13.6/8.5	8.8/5.09/2.8	13.81/8.63/4.75	22.31/15/8.98
	Power input(H/M/L)	W 51/25/12	61/27/16	93/49/21	109/50/22
Heating ²	Capacity (H/M/L)	kW 6.47/5.18/3.91	8.36/6.32/4.77	9.92/7.94/5.86	11.76/9.32/6.76
	Water flow rate(H/M/L)	m ³ /h 1.11/0.90/0.67	1.43/1.12/0.86	1.68/1.35/1.00	2.01/1.60/1.15
	Water pressure drop(H/M/L)	kPa 16.31/12.6/7.41	7.7/6.97/4.3	19.72/18.9/11.1	20.04/16.93/9.62
	Power input(H/M/L)	W 56/27/13	66/30/16	102/46/20	119/55/24
Heating ³	Capacity (H/M/L)	kW 7.72/6.19/4.68	9.55/7.14/5.23	11.55/9/6.46	14.34/11.31/8.3
	Water flow rate(H/M/L)	m ³ /h 1.06/0.86/0.65	1.19/0.88/0.64	1.47/1.12/0.78	1.78/1.41/1.02
	Water pressure drop(H/M/L)	kPa 17.92/11.31/7	10.9/4.49/2.5	15.42/7.5/4.1	24.94/13.46/13.48
	Power input(H/M/L)	W 56/27/13	67/29/16	103/46/20	121/54/23
Sound pressure level	OPa (H/M/L)	dB(A) 46.1/39.4/30.7	47.4/39.1/32.1	50.4/42.7/33.1	50.7/43.8/34.5
Fan motor	Type	DC Motor			
	Quantity	1			
Fan	Type	Centrifugal, forward-curved Blades			
	Quantity	2			
Coil	Row	4			
	Max. working pressure	MPa 1.6			
Net dimensions (W×H×D)	Diameter	mm 1566×241×522			
	Packing size (W×H×D)	mm 1615×260×560			
Net weight	kg	34.8			
Gross weight	kg	39.2			
Water inlet/outlet pipe	inch	RC3/4			
Drain pipe	inch	ZG3/4			

Notes:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1. Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C.

2. Heating mode (1) : (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C.

3. Heating mode (2) : (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

4. Sound pressure level is tested in a semi-anechoic test room.

5. The external static pressure test condition is 0 Pa.

Wall Mounted Series



Model: 250/300/400/500/600 CFM



R05 Standard

Features

- Display shut off (for Type A and P panels though Wireless Remote Controllers RM12F/BGF-E).
- Built-in 3-way electromagnetic valve.
- Remote controller as standard, wired controller is optional.
- Easy and low cost installation.
- The panel can be easily removed, simple maintenance and easy to change filter.
- Multi-directional outlet pipe feature: left/right/rear, to meet the needs of different rooms.
- Compatible with 0-10V input/output function(customized).

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



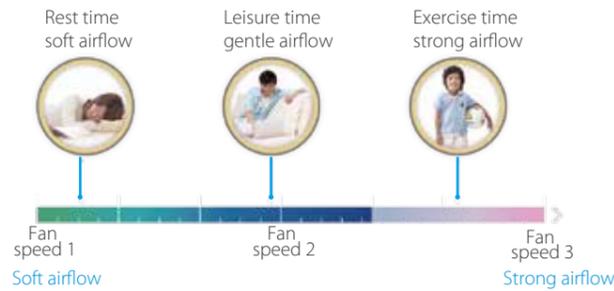
Digital Display On/Off

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



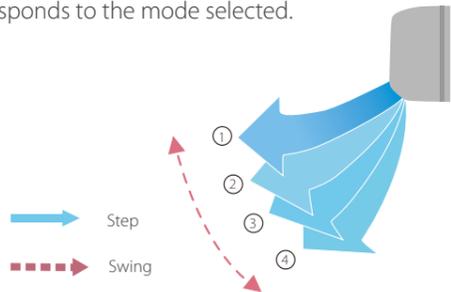
Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions.



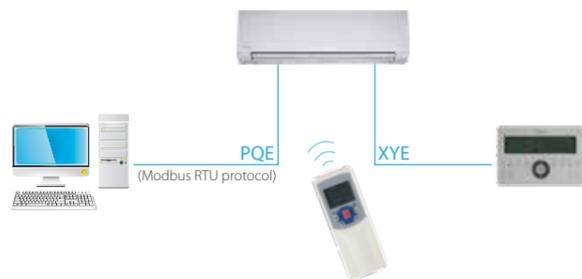
Auto Swing Louver

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



Control solutions

The fan coil units can be connected to Midea central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



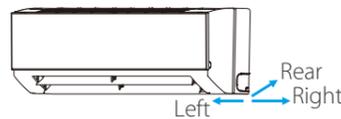
Variety stylish Panel

Variety stylish panel with three options (A Type, P Type and S Type), perfect fusion in all kinds of decoration.



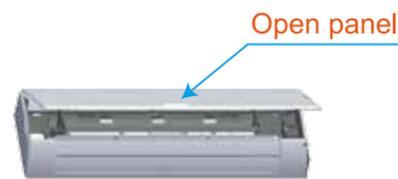
Flexible Pipe Outlet Direction

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



Easy Maintenance

Removable front panel making maintenance convenient.



Exposed Installation, No Need Ceilings

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



Wall Mounted (A Type)



Model		MKG-V250C	MKG-V300C	MKG-V400C	MKG-V500C	MKG-V600C	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m³/h	492/454/400	585/485/413	825/689/590	862/741/634	979/849/717
		CFM	289/267/235	344/285/242	485/405/347	507/435/372	575/499/421
Cooling ¹	Capacity (H/M/L)	kW	2.7/2.59/2.39	2.91/2.54/2.19	3.81/3.3/2.88	4.47/3.98/3.48	4.87/4.26/3.79
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	31.61/28.63/25.36	37.2/29.73/23.36	56.75/41.23/33.02	41.17/33.54/27.05	50.68/39.47/33.66
	Power input(H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13	38/26/18
Heating ²	Capacity (H/M/L)	kW	2.94/2.8/2.58	3.23/2.77/2.42	4.3/3.65/3.09	4.84/4.23/3.62	5.26/4.68/3.96
	Water flow rate(H/M/L)	m³/h	0.51/0.49/0.46	0.56/0.49/0.42	0.73/0.64/0.56	0.84/0.73/0.64	0.89/0.80/0.68
	Water pressure drop(H/M/L)	kPa	32.66/34.89/30.24	34.12/31.53/25.1	51.86/47.53/35.69	36.82/33.83/26.26	47.12/42.75/32.95
	Power input(H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12	33/23/16
Heating ³	Capacity (H/M/L)	kW	3.29/3.03/2.63	3.76/3.22/2.77	5.08/4.33/3.77	5.68/4.94/4.24	6.31/5.57/4.77
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	37.49/30.25/26.53	40.64/27.03/20.98	61.94/37.88/30.34	43.74/29.69/23.98	51.65/36.3/30.3
	Power input(H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12	33/23/16
Sound power level (H/M/L)		dB(A)	44/42/39	44/39/35	57/51/47	50/46/42	56/52/47
Rated current		A	0.16	0.19	0.28	0.32	0.39
Fan motor	Type	DC Motor					
	Quantity	1					
Fan	Type	Tangential fan					
	Quantity	1					
Coil	Row	2					
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Φ7	Φ7	Φ7	Φ7	Φ7
Net dimensions (WxHxD)		mm	915x290x233	915x290x233	915x290x233	1072x315x237	1072x315x237
Packing size (WxHxD)		mm	1020x390x315	1020x390x315	1020x390x315	1180x415x315	1180x415x315
Net weight		kg	12.7	12.7	12.7	15.1	14.9
Gross weight		kg	17.3	17.6	16.3	19	18.6
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ20	ODΦ20	ODΦ20	ODΦ20	ODΦ20

Notes:
 Based on Eurovent conditions:
 H: High fan speed; M: Medium fan speed; L: Low fan speed.
 1 :Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.
 2 :Heating mode (1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C, high fan speed.
 3 :Heating mode (2): (2-pipe coil): entering air temperature 20°C DB, enter water teperature/water flow 50°C/*(same water flow as in standard rating condition in cooling)

Wall Mounted (P Type)



Model		MKG-V250D	MKG-V300D	MKG-V400D	MKG-V500D	MKG-V600D	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m³/h	492/454/400	585/485/413	825/689/590	862/741/634	979/849/717
		CFM	289/267/235	344/285/242	485/405/347	507/435/372	575/499/421
Cooling ¹	Capacity (H/M/L)	kW	2.7/2.59/2.39	2.91/2.54/2.19	3.81/3.3/2.88	4.47/3.98/3.48	4.87/4.26/3.79
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	31.61/28.63/25.36	37.2/29.73/23.36	56.75/41.23/33.02	41.17/33.54/27.05	50.68/39.47/33.66
	Power input(H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13	38/26/18
Heating ²	Capacity (H/M/L)	kW	2.94/2.8/2.58	3.23/2.77/2.42	4.3/3.65/3.09	4.84/4.23/3.62	5.26/4.68/3.96
	Water flow rate(H/M/L)	m³/h	0.51/0.49/0.46	0.56/0.49/0.42	0.73/0.64/0.56	0.84/0.73/0.64	0.89/0.80/0.68
	Water pressure drop(H/M/L)	kPa	32.66/34.89/30.24	34.12/31.53/25.1	51.86/47.53/35.69	36.82/33.83/26.26	47.12/42.75/32.95
	Power input(H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12	33/23/16
Heating ³	Capacity (H/M/L)	kW	3.29/3.03/2.63	3.76/3.22/2.77	5.08/4.33/3.77	5.68/4.94/4.24	6.31/5.57/4.77
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	37.49/30.25/26.53	40.64/27.03/20.98	61.94/37.88/30.34	43.74/29.69/23.98	51.65/36.3/30.3
	Power input(H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12	33/23/16
Sound power level (H/M/L)		dB(A)	44/42/39	44/39/35	57/51/47	50/46/42	56/52/47
Rated current		A	0.16	0.19	0.28	0.32	0.39
Fan motor	Type	DC Motor					
	Quantity	1					
Fan	Type	Tangential fan					
	Quantity	1					
Coil	Row	2					
	Max. working pressure	MPa	1.6				
	Diameter	mm	Φ7				
Net dimensions (WxHxD)		mm	915x290x229	915x290x229	915x290x229	1072x315x232	1072x315x232
Packing size (WxHxD)		mm	1020x390x315	1020x390x315	1020x390x315	1180x415x315	1180x415x315
Net weight		kg	12.7	12.7	12.7	15.1	14.9
Gross weight		kg	17.3	17.6	16.3	19	18.6
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ20	ODΦ20	ODΦ20	ODΦ20	ODΦ20

Notes:

Based on Eurovent conditions:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1 :Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.

2 :Heating mode (1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C, high fan speed.

3 :Heating mode (2): (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*(same water flow as in standard rating condition in cooling)

Wall Mounted (S Type)



Model		MKG-V250B	MKG-V300B	MKG-V400B	MKG-V500B	MKG-V600B	
Power supply		V/Ph/Hz 220-240/1/50					
Air flow (H/M/L)		m³/h	492/454/400	585/485/413	825/689/590	862/741/634	979/849/717
		CFM	289/267/235	344/285/242	485/405/347	507/435/372	575/499/421
Cooling ¹	Capacity (H/M/L)	kW	2.7/2.59/2.39	2.91/2.54/2.19	3.81/3.3/2.88	4.47/3.98/3.48	4.87/4.26/3.79
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	31.61/28.63/25.36	37.2/29.73/23.36	56.75/41.23/33.02	41.17/33.54/27.05	50.68/39.47/33.66
	Power input(H/M/L)	W	13/11/10	15/11/9	34/22/15	26/18/13	38/26/18
Heating ²	Capacity (H/M/L)	kW	2.94/2.8/2.58	3.23/2.77/2.42	4.3/3.65/3.09	4.84/4.23/3.62	5.26/4.68/3.96
	Water flow rate(H/M/L)	m³/h	0.51/0.49/0.46	0.56/0.49/0.42	0.73/0.64/0.56	0.84/0.73/0.64	0.89/0.80/0.68
	Water pressure drop(H/M/L)	kPa	32.66/34.89/30.24	34.12/31.53/25.1	51.86/47.53/35.69	36.82/33.83/26.26	47.12/42.75/32.95
	Power input(H/M/L)	W	11/11/9	14/10/8	31/20/14	22/16/12	33/23/16
Heating ³	Capacity (H/M/L)	kW	3.29/3.03/2.63	3.76/3.22/2.77	5.08/4.33/3.77	5.68/4.94/4.24	6.31/5.57/4.77
	Water flow rate(H/M/L)	m³/h	0.48/0.46/0.42	0.51/0.45/0.38	0.67/0.57/0.51	0.77/0.68/0.61	0.85/0.72/0.65
	Water pressure drop(H/M/L)	kPa	37.49/30.25/26.53	40.64/27.03/20.98	61.94/37.88/30.34	43.74/29.69/23.98	51.65/36.3/30.3
	Power input(H/M/L)	W	12/10/8	14/10/8	31/20/14	23/16/12	33/23/16
Sound pressure level (H/M/L)		dB(A)	32/30/27	32/27/23	45/39/35	38/34/30	44/40/35
Fan motor	Type	DC Motor					
	Quantity	1					
Fan	Type	Tangential fan					
	Quantity	1					
Coil	Row	2					
	Max. working pressure	MPa	1.6				
	Diameter	mm	Φ7				
Net dimensions (WxHxD)		mm	915x290x230	915x290x230	915x290x230	1072x315x230	1072x315x230
Packing size (WxHxD)		mm	1020x390x315	1020x390x315	1020x390x315	1180x415x315	1180x415x315
Net weight		kg	12.7	12.7	12.7	15.1	14.9
Gross weight		kg	17.3	17.6	16.3	19	18.6
Water inlet/outlet pipe		inch	G3/4	G3/4	G3/4	G3/4	G3/4
Drain pipe		mm	ODΦ20	ODΦ20	ODΦ20	ODΦ20	ODΦ20

Notes:

Based on Eurovent conditions:

H: High fan speed; M: Medium fan speed; L: Low fan speed.

1 :Cooling mode (2 and 4-pipe coil): entering air temperature 27°C DB/1 9°C WB, entering/leaving water temperature 7°C /12°C, high fan speed.

2 :Heating mode (1): (2-pipe coil): entering air temperature 20°C DB, entering/leaving water temperature 45/40°C, high fan speed.

3 :Heating mode (2): (2-pipe coil): entering air temperature 20°C DB, enter water teperaure/water flow 50°C/*(same water flow as in standard rating condition in cooling)

2nd Generation Ceiling&Floor series



Model: 150/250/350/500/700/800 CFM



KJR-75A
Optional

Features

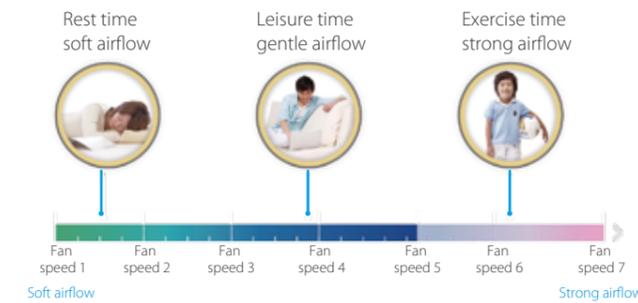
- 3 or 4 rows coil are optional for whole series .
- 2-Pipe and 4-Pipe are optional for whole series.
- Ultra-thin with 200 mm thickness.
- Hysteresis temperature can be set in heating and cooling mode by PCB switch, field adjustable.
- With/without forced fan on can be set by PCB switch, field adjustable.
- The XYE port(Centralized) and PQE port (Modbus) are can be customized.
- Compatible with 0-10V input/output function(customized).
- Floor standing/Horizontal/ Concealed type installation available (For floor standing : The footing is optional).
- Auto mode and 7 fan speed (by 75A wired controller).

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



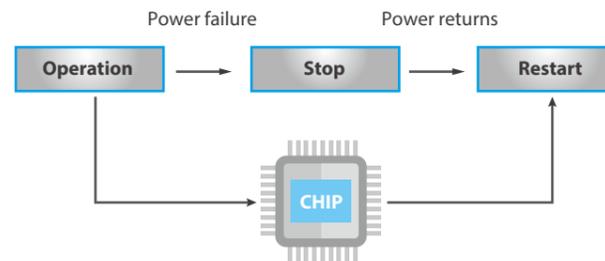
Multiple Fan Speeds

The DC Series comes with 3 fan speed option to meet the needs of different indoor conditions. (7 fan speed should be used KJR-75A wired controller)



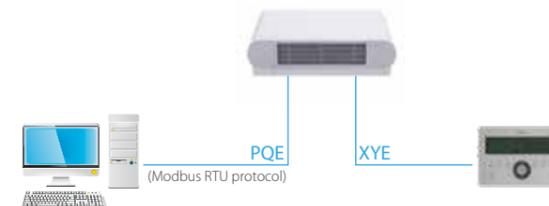
Auto restart

In the event of a sudden power failure during operation, unit restarts automatically and the unit will operate based on the previous setting (operating mode, temperature setting and fan speed).



Control solutions

The fan coil units can be connected to Midea central controllers through the customized XYE port, also can be connected to Modbus gateway through the customized PQE port with Modbus RTU protocol.



Multiple Appearance Options

The Floor Standing Unit has three appearance options to meet different installation requirement, the H3 (concealed) unit is designed to be concealed in walls while the H1 (front air intake) and H2 (underside air intake) offer a choice of air intake options.

Concealed Type
H3 Series



Exposed Type
(air return from bottom)
H2 Series



Exposed Type
(air return from side)
H1 Series



Ease of Installation and Maintenance

The ceiling and floor unit offers exposed installation. The installation and maintenance is easy. The maintenance of the machine is quite easy and the key components can be accessed from the bottom of the machine.



Ceiling and Floor Installation Option

The unit is uniquely designed with the possibility to be installed beneath the ceiling on the floor to suit any interior design requirements.



2- Pipe 2nd Generation Ceiling&Floor

Model		MKH1-V150-R3	MKH1-V150-R4	MKH1-V250-R3	MKH1-V250-R4	MKH1-V350-R3	MKH1-V350-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	245/160/135	245/180/130	380/245/140	380/240/110	580/435/310	580/430/300	
	CFM	144/94/79	144/106/76	224/144/82	224/141/65	341/256/182	341/253/176	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	1.44/1.01/0.88	1.87/1.59/1.16	2.23/1.84/1.13	2.55/1.90/1.26	3.41/2.81/2.16	3.80/3.11/2.36
	Water flow rate(H/M/L)	m ³ /h	0.25/0.17/0.15	0.32/0.27/0.2	0.38/0.32/0.19	0.44/0.33/0.22	0.58/0.48/0.37	0.65/0.53/0.40
	Water pressure drop(H/M/L)	kPa	13.4/7.9/6.0	26.1/20.1/11.8	12.7/9.5/4.4	23.2/13.5/6.6	33.4/24.0/15.0	36.5/25.3/15.0
Heating	Capacity (H/M/L)	kW	1.50/1.02/0.88	1.97/1.68/1.20	2.47/2.00/1.27	2.63/1.92/1.27	3.70/3.02/2.29	3.90/3.13/2.43
	Water flow rate(H/M/L)	m ³ /h	0.26/0.17/0.15	0.34/0.29/0.21	0.42/0.34/0.22	0.45/0.33/0.22	0.63/0.52/0.39	0.67/0.54/0.40
	Water pressure drop(H/M/L)	kPa	14.5/7.3/5.6	24.0/18.8/9.9	13.6/9.8/4.3	21.8/12.2/5.9	34.2/23.8/14.5	35.6/24.7/13.9
Power input (H/M/L)	W	19/15/10	20/16/11	20/13/10	21/12/8	27/18/11	30/18/12	
Sound power level	(H/M/L) dB(A)	47/36/34	52/46/39	43/35/27	46/38/30	52/45/37	52/45/37	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	790x495x211	790x495x211	1020x495x211	1020x495x211	1240x495x211	
	Packing size (WxHxD)	mm	895x595x300	895x595x300	1125x595x300	1125x595x300	1345x595x300	
	Net weight	kg	18.0	18.5	21.5	22.0	25.5	26.5
	Gross weight	kg	23.5	24.0	27.5	28.0	32.5	33.5
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Model		MKH1-V500-R3	MKH1-V500-R4	MKH1-V700-R3	MKH1-V700-R4	MKH1-V800-R3	MKH1-V800-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	780/550/380	780/560/390	1050/750/450	1050/770/460	1150/850/570	1150/860/600	
	CFM	459/324/224	459/329/229	618/441/265	618/453/271	676/500/335	676/506/353	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	4.25/3.43/2.67	4.73/3.82/2.85	4.94/3.94/2.77	5.60/4.58/3.19	6.21/5.17/3.86	7.30/5.88/4.28
	Water flow rate(H/M/L)	m ³ /h	0.73/0.59/0.46	0.81/0.65/0.49	0.85/0.68/0.47	0.96/0.79/0.55	1.06/0.89/0.66	1.25/1.01/0.73
	Water pressure drop(H/M/L)	kPa	53.5/35.8/24.1	53.0/35.9/21.2	44.7/29.5/15.6	28.9/19.2/10.1	37.3/28.5/16.4	63.0/40.8/22.5
Heating	Capacity (H/M/L)	kW	4.64/3.65/2.77	5.12/3.98/2.96	5.29/4.20/2.96	6.22/4.95/3.37	6.80/5.46/3.98	7.70/6.02/4.29
	Water flow rate(H/M/L)	m ³ /h	0.80/0.63/0.47	0.88/0.68/0.51	0.91/0.72/0.51	1.07/0.85/0.58	1.17/0.94/0.68	1.32/1.03/0.74
	Water pressure drop(H/M/L)	kPa	53.6/36.4/22.0	52.0/35.6/20.0	49.0/33.2/17.0	33.2/22.5/11.0	39.7/27.0/15.4	55.0/36.4/19.2
Power input (H/M/L)	W	50/26/15	52/28/15	98/45/18	99/50/20	105/50/24	105/50/23	
Sound power level	(H/M/L) dB(A)	59/52/43	59/52/43	65/57/45	65/56/46	66/59/49	65/59/49	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	1240x495x211	1240x495x211	1360x495x211	1360x495x211	1360x495x211	
	Packing size (WxHxD)	mm	1345x595x300	1345x595x300	1465x595x300	1465x595x300	1465x595x300	
	Net weight	kg	25.5	26.5	28.5	29.5	32.5	34.5
	Gross weight	kg	32.5	33.5	36.0	37.0	41.0	42.5
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.

2- Pipe 2nd Generation Ceiling&Floor

Model		MKH2-V150-R3	MKH2-V150-R4	MKH2-V250-R3	MKH2-V250-R4	MKH2-V350-R3	MKH2-V350-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	255/170/150	255/210/150	400/315/190	425/300/190	595/470/340	595/450/310	
	CFM	150/100/88	150/124/88	235/185/112	250/176/112	350/276/200	350/265/182	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	1.50/1.06/0.92	1.95/1.66/1.21	2.35/1.94/1.19	2.85/2.13/1.41	3.50/2.89/2.22	3.90/3.20/2.43
	Water flow rate(H/M/L)	m ³ /h	0.26/0.18/0.16	0.33/0.28/0.21	0.40/0.34/0.21	0.49/0.37/0.24	0.60/0.50/0.38	0.67/0.55/0.42
	Water pressure drop(H/M/L)	kPa	13.9/8.21/6.16	27.2/20.88/12.2	13.3/9.98/4.59	26/15.06/7.41	34.1/24.63/15.39	37.4/25.91/15.37
Heating	Capacity (H/M/L)	kW	1.57/1.07/0.92	2.05/1.75/1.25	2.60/2.11/1.34	2.95/2.15/1.42	3.80/3.10/2.35	4.00/3.22/2.50
	Water flow rate(H/M/L)	m ³ /h	0.27/0.19/0.16	0.35/0.30/0.22	0.45/0.37/0.23	0.51/0.37/0.24	0.65/0.53/0.40	0.70/0.56/0.43
	Water pressure drop(H/M/L)	kPa	15.1/7.63/5.84	25.3/19.65/10.25	14.3/10.33/4.5	24.4/13.65/6.64	35.1/24.41/14.82	36.5/25.34/14.22
Power input (H/M/L)	W	15/9/8	20/14/9	17/12/7	20/11/8	26/17/10	29/17/11	
Sound power level	(H/M/L) dB(A)	47/36/34	52/46/38	43/37/29	46/37/29	52/44/36	52/45/36	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	790x495x200	790x495x200	1020x495x200	1020x495x200	1240x495x200	
	Packing size (WxHxD)	mm	895x595x300	895x595x300	1125x595x300	1125x595x300	1345x595x300	
	Net weight	kg	18.0	18.5	21.5	22.0	25.5	26.5
	Gross weight	kg	23.5	24.0	27.5	28.0	32.5	33.5
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Model		MKH2-V500-R3	MKH2-V500-R4	MKH2-V700-R3	MKH2-V700-R4	MKH2-V800-R3	MKH2-V800-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	790/580/410	800/600/420	1190/855/505	1190/875/530	1360/1015/685	1300/980/680	
	CFM	488/359/253	471/353/247	700/503/297	700/515/312	800/597/403	765/576/400	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	4.30/3.48/2.71	4.85/3.92/2.93	5.60/4.47/3.14	6.35/5.19/3.62	7.35/6.12/4.57	8.25/6.65/4.84
	Water flow rate(H/M/L)	m ³ /h	0.74/0.60/0.47	0.83/0.67/0.51	0.96/0.77/0.54	1.09/0.90/0.63	1.27/1.05/0.79	1.43/1.14/0.83
	Water pressure drop(H/M/L)	kPa	54.2/36.22/22.78	54.3/36.81/21.77	50.7/33.38/17.73	32.8/21.75/11.43	44.1/33.7/19.41	71.4/46.17/25.39
Heating	Capacity (H/M/L)	kW	4.70/3.70/2.81	5.25/4.09/3.04	6.00/4.77/3.36	7.05/5.61/3.83	8.05/6.46/4.71	8.70/6.81/4.85
	Water flow rate(H/M/L)	m ³ /h	0.81/0.64/0.48	0.91/0.71/0.53	1.04/0.83/0.59	1.22/0.98/0.67	1.39/1.12/0.82	1.51/1.18/0.83
	Water pressure drop(H/M/L)	kPa	54.3/36.87/22.32	53.4/36.54/20.47	55.5/37.66/19.27	37.6/25.47/12.5	46.9/31.9/18.16	62.6/41.06/21.68
Power input (H/M/L)	W	50/25/14	52/28/15	96/44/17	92/46/19	113/53/22	102/49/22	
Sound power level	(H/M/L) dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/49	63/57/47	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	
Body	Net dimensions (WxHxD)	mm	1240x495x200	1240x495x200	1360x495x200	1360x495x200	1360x591x200	
	Packing size (WxHxD)	mm	1345x595x300	1345x595x300	1465x595x300	1465x595x300	1465x695x300	
	Net weight	kg	25.5	26.5	28.5	29.5	32.5	34.5
	Gross weight	kg	32.5	33.5	36.0	37.0	41.0	42.5
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Notes:
1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.

2- Pipe 2nd Generation Ceiling&Floor

Model		MKH3-V150-R3	MKH3-V150-R4	MKH3-V250-R3	MKH3-V250-R4	MKH3-V350-R3	MKH3-V350-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	255/170/150	255/210/150	400/315/190	425/300/190	595/470/340	595/450/310	
	CFM	150/100/88	150/124/88	235/185/112	250/176/112	350/276/200	350/265/182	
External static pressure	Pa	12						
Cooling	Capacity (H/M/L)	kW	1.50/1.06/0.92	1.95/1.66/1.21	2.35/1.94/1.19	2.85/2.13/1.41	3.50/2.89/2.22	3.90/3.20/2.43
	Water flow rate(H/M/L)	m³/h	0.26/0.18/0.16	0.33/0.28/0.21	0.40/0.34/0.21	0.49/0.37/0.24	0.60/0.50/0.38	0.67/0.55/0.42
	Water pressure drop(H/M/L)	kPa	13.9/8.21/6.16	27.2/20.88/12.2	13.3/9.98/4.59	26/15.06/7.41	34.1/24.63/15.39	37.4/25.91/15.37
Heating	Capacity (H/M/L)	kW	1.57/1.07/0.92	2.05/1.75/1.25	2.60/2.11/1.34	2.95/2.15/1.42	3.80/3.10/2.35	4.00/3.22/2.50
	Water flow rate(H/M/L)	m³/h	0.27/0.19/0.16	0.35/0.30/0.22	0.45/0.37/0.23	0.51/0.37/0.24	0.65/0.53/0.40	0.70/0.56/0.43
	Water pressure drop(H/M/L)	kPa	15.1/7.63/5.84	25.3/19.65/10.25	14.3/10.33/4.5	24.4/13.65/6.64	35.1/24.41/14.82	36.5/25.34/14.22
Power input (H/M/L)	W	15/9/8	20/14/9	17/12/7	20/11/8	26/17/10	29/17/11	
Sound power level	(H/M/L) dB(A)	47/36/34	52/46/38	43/37/29	46/37/29	52/44/36	52/45/36	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	1	2	2	2	2	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94
Body	Net dimensions (WxHxD)	mm	637x455x200	637x455x200	867x455x200	867x455x200	1087x455x200	1087x455x200
	Packing size (WxHxD)	mm	755x555x255	755x555x255	985x555x255	985x555x255	1205x555x255	1205x555x255
	Net weight	kg	11.8	12.1	13.9	14.8	17.3	18.2
	Gross weight	kg	16.1	16.4	19.4	20.3	24.0	24.9
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Model		MKH3-V500-R3	MKH3-V500-R4	MKH3-V700-R3	MKH3-V700-R4	MKH3-V800-R3	MKH3-V800-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	790/580/410	800/600/420	1190/855/505	1190/875/530	1360/1015/685	1300/980/680	
	CFM	488/359/253	471/353/247	700/503/297	700/515/312	800/597/403	765/576/400	
External static pressure	Pa	12						
Cooling	Capacity (H/M/L)	kW	4.30/3.48/2.71	4.85/3.92/2.93	5.60/4.47/3.14	6.35/5.19/3.62	7.35/6.12/4.57	8.25/6.65/4.84
	Water flow rate(H/M/L)	m³/h	0.74/0.60/0.47	0.83/0.67/0.51	0.96/0.77/0.54	1.09/0.90/0.63	1.27/1.05/0.79	1.43/1.14/0.83
	Water pressure drop(H/M/L)	kPa	54.2/36.22/22.78	54.3/36.81/21.77	50.7/33.38/17.73	32.8/21.75/11.43	44.1/33.7/19.41	71.4/46.17/25.39
Heating	Capacity (H/M/L)	kW	4.70/3.70/2.81	5.25/4.09/3.04	6.00/4.77/3.36	7.05/5.61/3.83	8.05/6.46/4.71	8.70/6.81/4.85
	Water flow rate(H/M/L)	m³/h	0.81/0.64/0.48	0.91/0.71/0.53	1.04/0.83/0.59	1.22/0.98/0.67	1.39/1.12/0.82	1.51/1.18/0.83
	Water pressure drop(H/M/L)	kPa	54.3/36.87/22.32	53.4/36.54/20.47	55.5/37.66/19.27	37.6/25.47/12.5	46.9/31.9/18.16	62.6/41.06/21.68
Power input (H/M/L)	W	50/25/14	52/28/15	96/44/17	92/46/19	113/53/22	102/49/22	
Sound power level	(H/M/L) dB(A)	59/51/43	59/51/43	64/56/45	62/56/46	63/58/49	63/57/47	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	2	2	3	3	3	3	
Coil	Row	3	4	3	4	3	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94
Body	Net dimensions (WxHxD)	mm	1087x455x200	1087x455x200	1207x455x200	1207x455x200	1207x550x200	1207x550x200
	Packing size (WxHxD)	mm	1205x555x255	1205x555x255	1325x555x255	1325x555x255	1325x650x255	1325x650x255
	Net weight	kg	17.3	18.2	19.6	20.8	23.1	24.3
	Gross weight	kg	24.0	24.9	26.4	27.6	30.2	31.4
Water inlet/outlet pipe	inch	G3/4	G3/4	G3/4	G3/4	G3/4	G3/4	
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
3. Heating conditions: Entering water 45°C, leaving water 40°C, Entering air temperature 20°C DB/15°C WB.
4. H3 series test with concealed tooling.

4- Pipe 2nd Generation Ceiling&Floor

Model		MKH1-V150F-R4	MKH1-V250F-R4	MKH1-V350F-R4	MKH1-V500F-R4	MKH1-V700F-R4	MKH1-V800F-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	245/180/130	380/240/110	580/430/300	780/560/390	1050/770/460	1150/860/600	
	CFM	144/106/76	224/141/65	341/253/176	459/329/229	618/453/271	676/506/353	
External static pressure	Pa	0						
Cooling	Capacity (H/M/L)	kW	1.63/1.38/0.91	2.41/1.73/0.99	3.70/3.10/2.26	4.49/3.66/2.76	5.34/4.41/3.02	6.77/5.48/4.02
	Water flow rate(H/M/L)	m³/h	0.279/0.24/0.16	0.41/0.30/0.17	0.63/0.53/0.38	0.77/0.63/0.47	0.92/0.76/0.52	1.16/0.94/0.69
	Water pressure drop(H/M/L)	kPa	17.5/13.2/7.2	15.2/8.7/3.1	38.2/27.6/16.5	54.8/38.1/23.2	47.4/32.6/16.8	42.5/28.8/16.2
Heating	Capacity (H/M/L)	kW	1.35/1.18/0.91	2.06/1.45/1.02	2.81/2.43/1.95	3.27/2.81/2.30	4.06/3.48/2.66	6.63/5.7/4.62
	Water flow rate(H/M/L)	m³/h	0.12/0.10/0.08	0.18/0.13/0.09	0.24/0.21/0.17	0.28/0.24/0.20	0.35/0.3/0.23	0.57/0.49/0.40
	Water pressure drop(H/M/L)	kPa	10.3/8.2/5.3	25.2/15.0/8.5	54.0/41.9/28.5	67.8/53.3/37.3	116.76/91.94/56.23	63.4/49.7/33.1
Power input (H/M/L)	W	20/16/11	21/12/8	30/18/12	52/28/15	99/50/20	105/50/23	
Sound power level	(H/M/L) dB(A)	52/46/39	46/38/30	52/45/37	59/52/43	65/56/46	65/59/49	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94
Body	Net dimensions (WxHxD)	mm	790x495x211	1020x495x211	1240x495x211	1240x495x211	1360x495x211	1360x591x211
	Packing size (WxHxD)	mm	895x595x300	1125x595x300	1345x595x300	1345x595x300	1465x595x300	1465x695x300
	Net weight	kg	19.0	22.5	27.0	27.0	30.0	35.0
	Gross weight	kg	24.5	28.5	34.0	34.0	37.5	43.0
Water inlet/outlet pipe	inch	Cold water: G3/4; Hot water: G1/2						
Drain pipe	mm	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	ODØ18.5	

Model		MKH2-V150F-R4	MKH2-V250F-R4	MKH2-V350F-R4	MKH2-V500F-R4	MKH2-V700F-R4	MKH2-V800F-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m³/h	255/206/134	425/280/158	595/461/324	800/595/417	1190/887/564	1300/969/661	
	CFM	150/121/79	250/165/93	350/271/191	471/350/245	700/522/332	765/570/389	
External static pressure	Pa	0						
Cooling	Sensible Capacity(H/M/L)	kW	1.30/1.07/0.64	1.90/1.30/0.70	2.80/2.30/1.61	3.50/2.75/2.01	4.80/3.88/2.53	5.90/4.60/3.30
	Capacity (H/M/L)	kW	1.70/1.44/0.95	2.70/1.94/1.10	3.80/3.18/2.32	4.60/3.75/2.83	6.05/5.00/3.43	7.65/6.19/4.54
	Water flow rate	m³/h	0.29/0.25/0.16	0.46/0.33/0.19	0.65/0.55/0.40	0.79/0.64/0.49	1.04/0.86/0.59	1.31/1.06/0.78
	Water pressure drop	kPa	18.16/13.74/7.50	16.97/9.73/3.51	39.17/28.35/16.91	56.18/39.04/23.84	53.66/36.96/19.07	48.07/32.56/18.32
Heating	Capacity (H/M/L)	kW	1.40/1.23/0.95	2.30/1.78/1.22	2.88/2.49/2.00	3.35/2.88/2.36	4.60/3.95/3.02	7.50/6.44/5.22
	Water flow rate	m³/h	0.12/0.11/0.08	0.20/0.15/0.10	0.25/0.21/0.17	0.29/0.25/0.20	0.39/0.34/0.26	0.64/0.55/0.45
	Water pressure drop	kPa	10.74/8.50/5.49	28.16/18.45/10.08	55.37/43.00/29.20	69.57/54.65/38.21	132.32/104.19/63.73	71.63/56.17/37.44
Power input (H/M/L)	W	20/14/9	20/11/8	29/17/11	52/28/15	92/46/19	102/49/22	
Rated current	A	0.21	0.22	0.28	0.51	0.79	0.87	
Sound power level	(H/M/L) dB(A)	52/46/38	46/37/29	52/45/36	59/52/43	63/58/46	64/57/47	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
	Diameter	mm	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94	Ø7.94
Body	Net dimensions (WxHxD)	mm	790x495x200	1020x495x200	1240x495x200	1240x495x200	1360x495x200	1360x591x200
	Packing size (WxHxD)	mm	895x595x300	1125x595x300	1345x595x300	1345x595x300	1465x595x300	1465x695x300
	Net weight	kg	19.0	22.5	27.0	27.0	30.0	35.0
	Gross weight	kg	24.5	28.5	34.0	34.0	37.5	43.0
Water inlet/outlet pipe	inch	Cold water: G3/4; Hot water: G1/2						
Drain pipe	mm	ODØ18.5						

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
3. Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB/15°C WB.
4. H3 series test with concealed tooling.

Dimensions

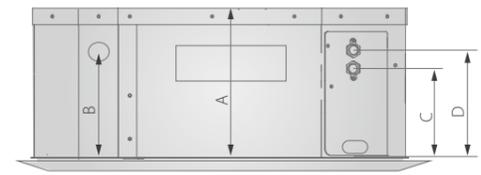
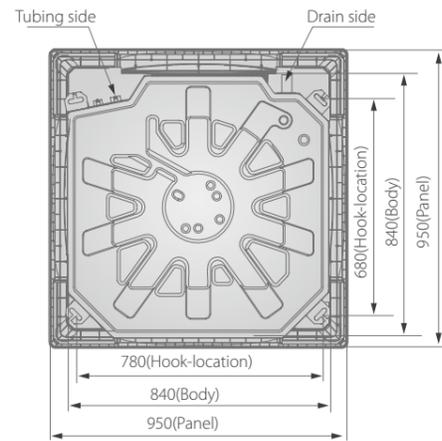
Model		MKH3-V150F-R4	MKH3-V250F-R4	MKH3-V350F-R4	MKH3-V500F-R4	MKH3-V700F-R4	MKH3-V800F-R4	
Power supply	V/Ph/Hz	220-240/1/50						
Air flow (H/M/L)	m ³ /h	255/206/134	425/280/158	595/461/324	800/595/417	1190/887/564	1300/969/661	
	CFM	150/121/79	250/165/93	350/271/191	471/350/245	700/522/332	765/570/389	
External static pressure	Pa	12						
Cooling	Sensible Capacity(H/M/L)	kW	1.30/1.07/0.64	1.90/1.30/0.70	2.80/2.30/1.61	3.50/2.75/2.01	4.80/3.88/2.53	5.90/4.60/3.30
	Capacity (H/M/L)	kW	1.70/1.44/0.95	2.70/1.94/1.10	3.80/3.18/2.32	4.60/3.75/2.83	6.05/5.00/3.43	7.65/6.19/4.54
	Water flow rate	m ³ /h	0.29/0.25/0.16	0.46/0.33/0.19	0.65/0.55/0.40	0.79/0.64/0.49	1.04/0.86/0.59	1.31/1.06/0.78
	Water pressure drop	kPa	18.16/13.74/7.50	16.97/9.73/3.51	39.17/28.35/16.91	56.18/39.04/23.84	53.66/36.96/19.07	48.07/32.56/18.32
Heating	Capacity (H/M/L)	kW	1.40/1.23/0.95	2.30/1.78/1.22	2.88/2.49/2.00	3.35/2.88/2.36	4.60/3.95/3.02	7.50/6.44/5.22
	Water flow rate	m ³ /h	0.12/0.11/0.08	0.20/0.15/0.10	0.25/0.21/0.17	0.29/0.25/0.20	0.39/0.34/0.26	0.64/0.55/0.45
	Water pressure drop	kPa	10.74/8.50/5.49	28.16/18.45/10.08	55.37/43.00/29.20	69.57/54.65/38.21	132.32/104.19/63.73	71.63/56.17/37.44
Power input (H/M/L)	W	20/14/9	20/11/8	29/17/11	52/28/15	92/46/19	102/49/22	
Rated current	A	0.21	0.22	0.28	0.51	0.79	0.87	
Sound power level	(H/M/L) dB(A)	52/46/38	46/37/29	52/45/36	59/51/43	62/56/46	63/57/47	
Fan motor	Type	Low noise DC fan motor						
	Quantity	1	1	1	1	1	1	
Fan	Type	Centrifugal, forward-curved Blades						
	Quantity	1	2	2	2	3	3	
Coil	Row	4	4	4	4	4	4	
	Max. working pressure	MPa	1.6	1.6	1.6	1.6	1.6	
	Diameter	mm	Φ7.94	Φ7.94	Φ7.94	Φ7.94	Φ7.94	
Body	Net dimensions (WxHxD)	mm	637x455x200	867x455x200	1087x455x200	1087x455x200	1207x455x200	1207x550x200
	Packing size (WxHxD)	mm	895x595x300	1125x595x300	1345x595x300	1345x595x300	1465x595x300	1465x695x300
	Net weight	kg	12.6	15.3	18.7	18.7	21.3	24.8
	Gross weight	kg	16.9	20.8	25.4	25.4	28.1	31.9
Water inlet/outlet pipe	inch	Cold water: G3/4; Hot water: G1/2						
Drain pipe	mm	ODΦ18.5						

Notes:

1. H: High fan speed; M: Medium fan speed; L: Low fan speed.
2. Cooling conditions: Entering water 7°C, leaving water 12°C, Entering air temperature 27°C DB/19°C WB.
Heating conditions: Entering water 65°C, leaving water 55°C, Entering air temperature 20°C DB/15°C WB.
3. Noise is tested in a reverberation chamber.
4. H3 series test with concealed tooling.

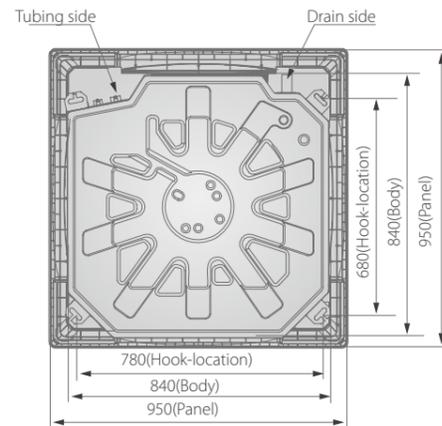
4-way cassette

2-pipe 4-way cassette
Dimensions (unit:mm)

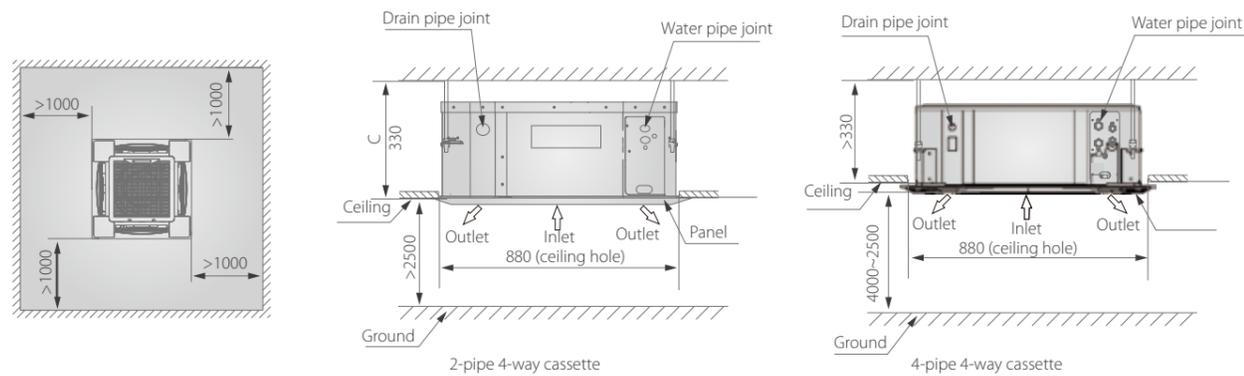


Model	A	B	C	D
MKA-600RA	230	170	135	185
MKA-750RA				
MKA-950RA				
MKA-1200RA	300	190	145	195
MAK-1500RA				

4-Pipe 4-way cassette
Dimensions (unit:mm)

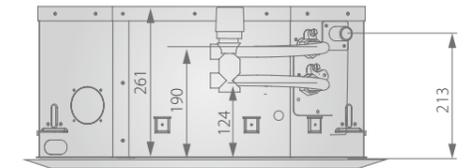
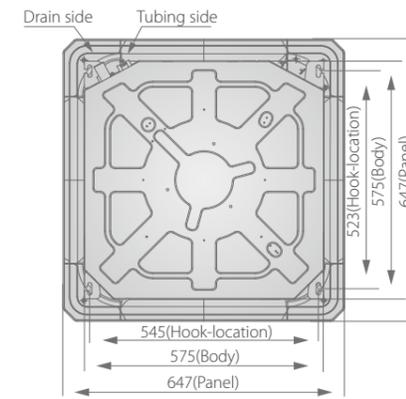


Service Spaces (unit:mm)

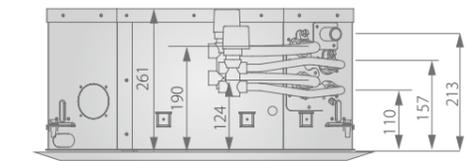
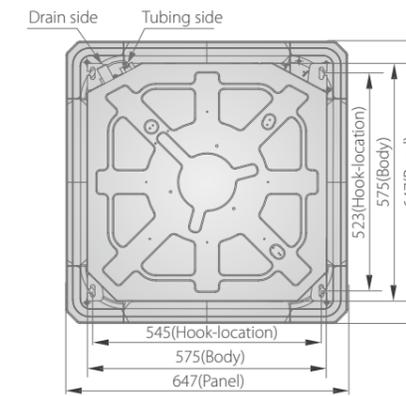


Compact 4-way cassette

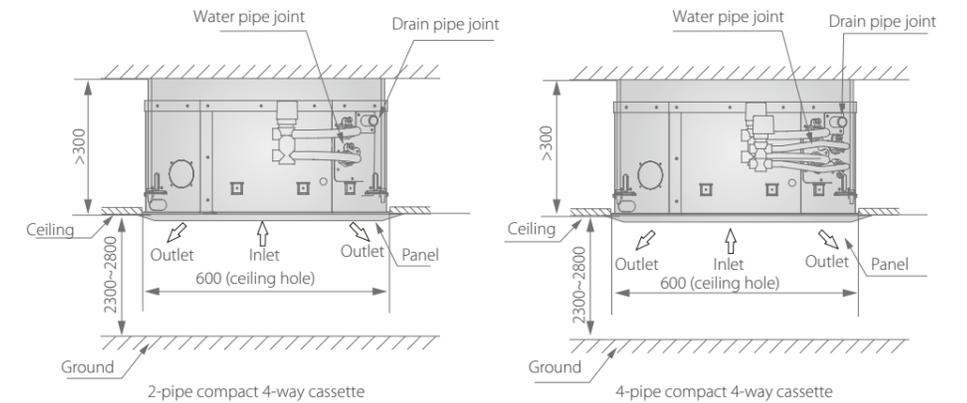
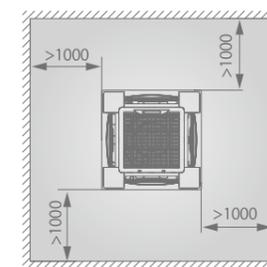
2-pipe compact 4-way cassette
Dimensions (unit: mm)



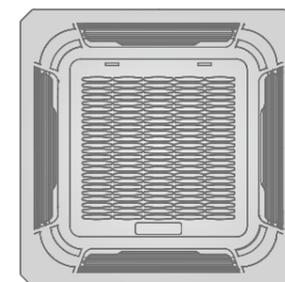
4-pipe compact 4-way cassette
Dimensions (unit: mm)



Service Space (unit: mm)



Thickness of the front panel

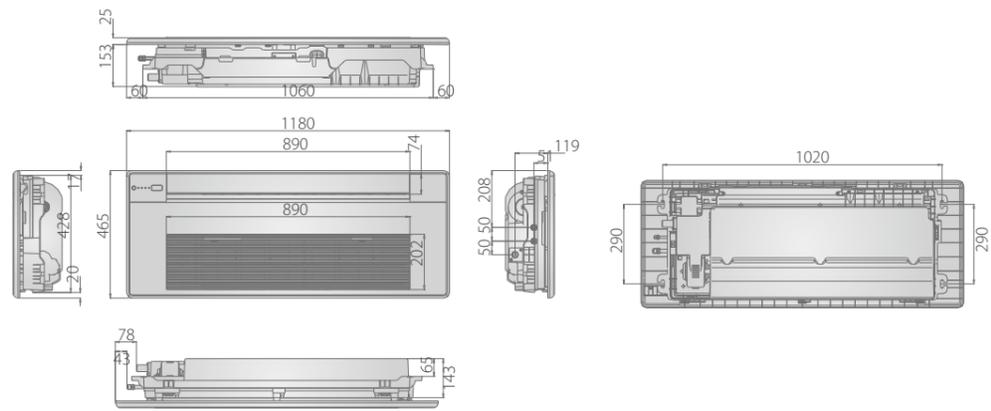


Type	H (mm)
4-way cassette	45
Compact 4-way cassette	50

1-way cassette

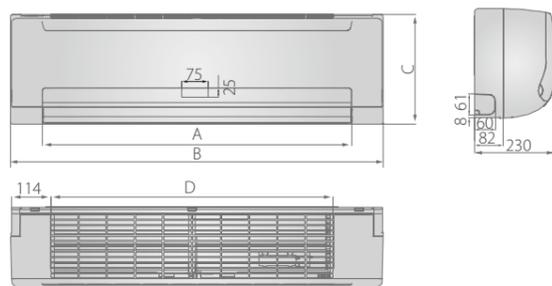
Dimensions (unit: mm)

MKC-300R-BA



Wall mounted - S type

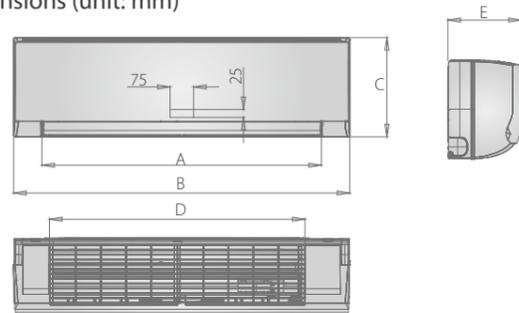
Dimensions (unit: mm)



Model	MKG-250-BA MKG-300-BA MKG-400-BA	MKG-500-BA MKG-600-BA
A	732	892
B	915	1072
C	290	315
D	663	813

Wall mounted - A type

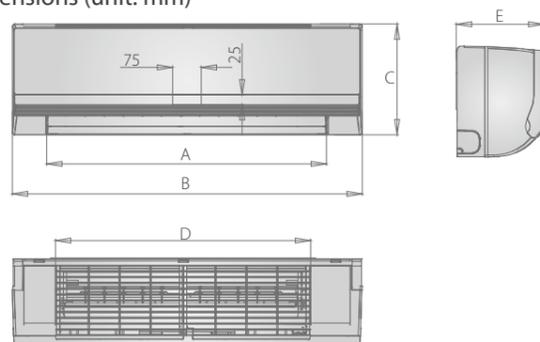
Dimensions (unit: mm)



Model	MKG-250-CA MKG-300-CA MKG-400-CA	MKG-500-CA MKG-600-CA
A	732	892
B	915	1072
C	290	315
D	663	813
E	233	237

Wall mounted - P type

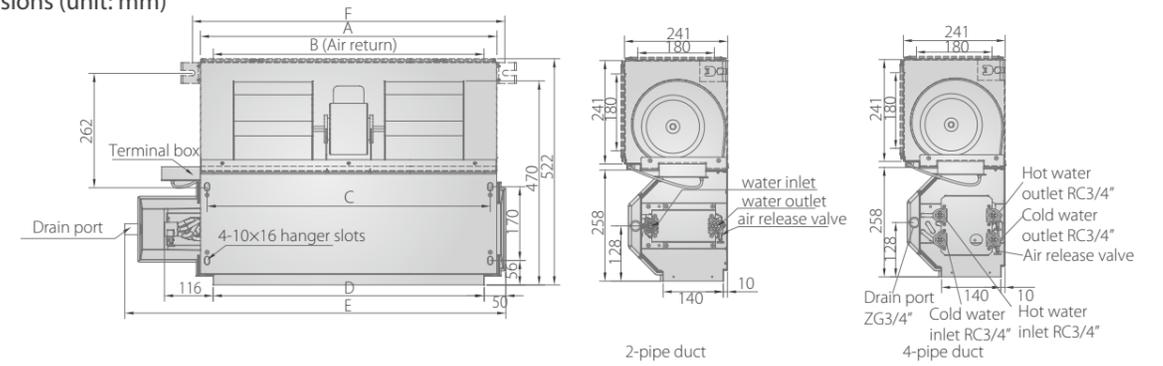
Dimensions (unit: mm)



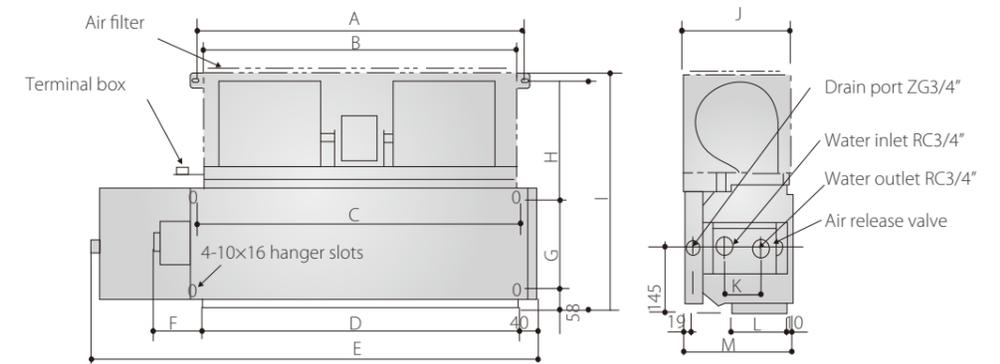
Model	MKG-250-DA MKG-300-DA MKG-400-DA	MKG-500-DA MKG-600-DA
A	732	892
B	915	1072
C	290	315
D	663	813
E	229	232

Duct

Dimensions (unit: mm)



Size	A	B	C	D	E	F
200CFM	545	485	513	485	741	583
300CFM	645	585	613	585	841	683
400CFM	745	685	713	685	941	783
500CFM	745	685	713	685	941	783
600CFM	965	905	933	905	1161	1003
800CFM	1265	1205	1233	1205	1461	1303
1000CFM	1370	1310	1338	1310	1566	1408
1200CFM	1660	1600	1628	1600	1856	1698
1400CFM	1826	1766	1794	1766	2022	1864



Notes:

This figure is for reference only, actual product may differ.

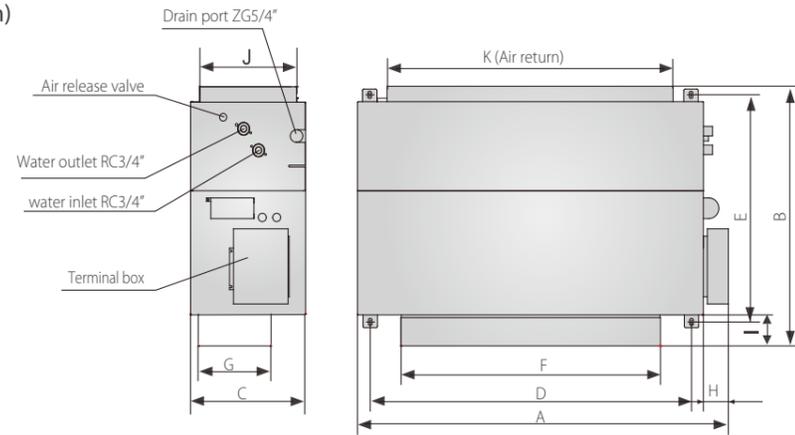
The dotted line in the figure is the dimension for air return plenum.

Units with air return plenum is standard, units without air return plenum can be customized.

Model	MKT3-800/1000G50-A4A MKT4-800/1000G50-A4A	MKT4-1200/1400/ 1500/1600G50-A4A	MKT4-1800/ 2000G50-A4A
A	960	1085	1277
B	900	1135	1327
C	910	1112	1308
D	885	1085	1277
E	1180	1369	1500
F	150	160	160
G	195	195	195
H	335	335	335
I	612	612	612
J	342	342	342
K	231	231	231
L	230	230	230
M	340	340	340

High static pressure duct

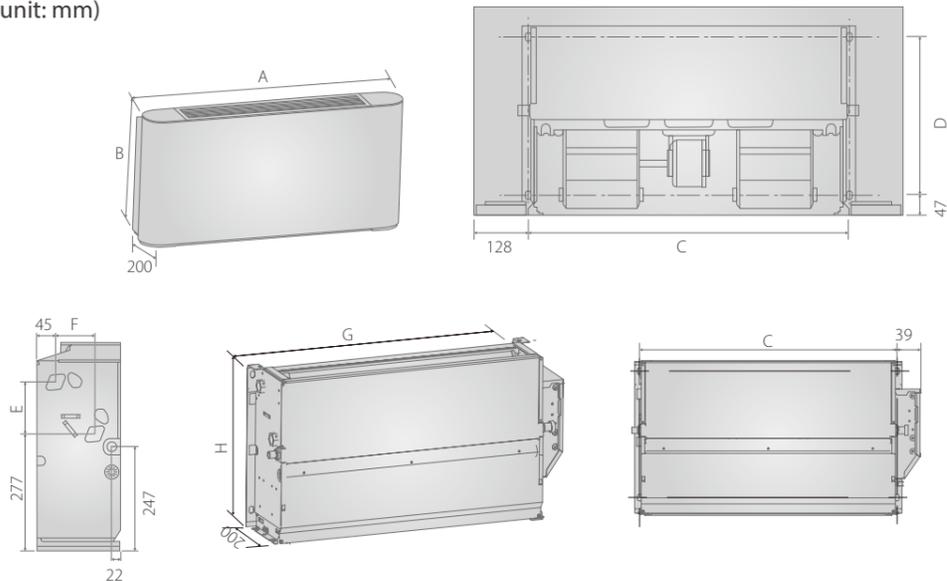
Dimensions (unit:mm)



Model	MKT3H-800G70A	MKT3H-800EG70A	MKT3H-1600G100A	MKT3H-1600EG100A
	MKT3H-1000G70A	MKT3H-1000EG70A	MKT3H-1800G100A	MKT3H-1800EG100A
Size	MKT3H-1200G70A	MKT3H-1200EG70A	MKT3H-2200G100A	MKT3H-2200EG100A
A	946	946	1290	1290
B	816	876	809	874
C	400	400	400	400
D	778	778	1118	1118
E	767	767	765	765
F	306	306	900	900
G	219	219	249	249
H	88	88	88	88
I	37	97	39	104
J	338	338	320	320
K	512	512	995	995

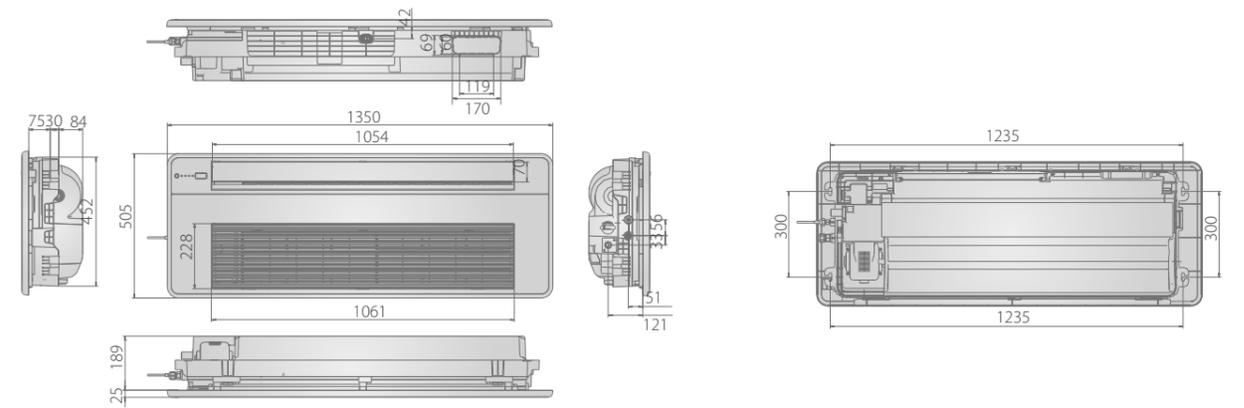
2nd generation Ceiling&Floor

Dimensions (unit: mm)

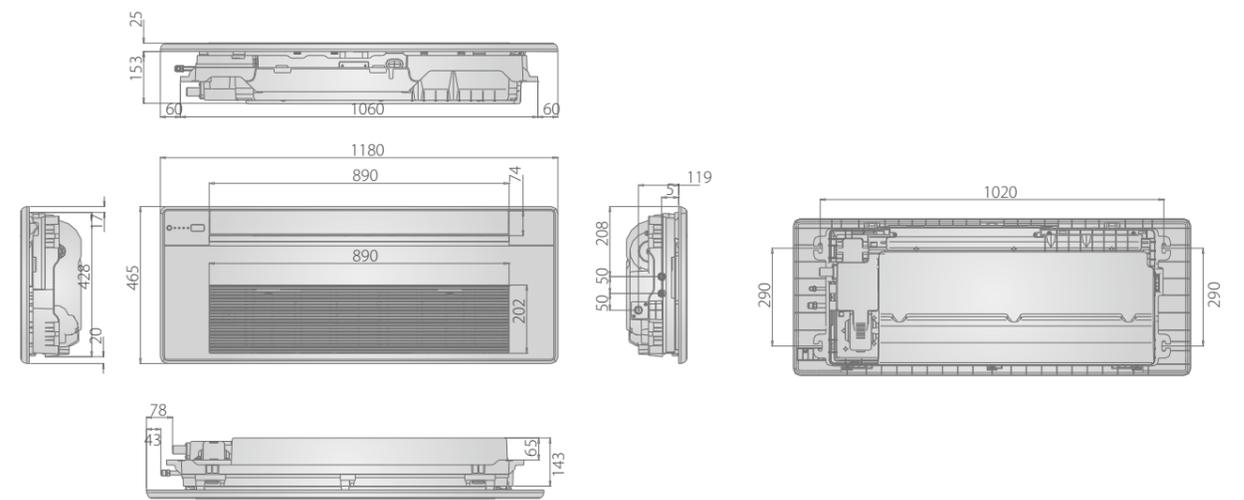


Model	150	250	300	500	700	800
A(mm)	790	1020	1240	1240	1360	1360
B(mm)	495	495	495	495	495	591
C(mm)	534	764	984	984	1104	1104
D(mm)	375	375	375	375	375	319
E(mm)	123	123	123	123	123	219
F(mm)	93	93	93	93	93	102
G(mm)	628	858	1078	1078	1198	1198
H(mm)	455	455	455	455	455	551

1-way cassette



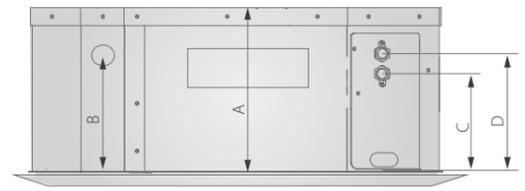
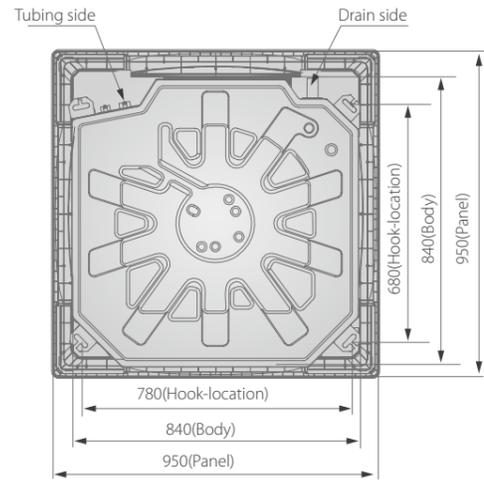
MKC-V400R-B
MKC-V600R-B



MKC-V300R-B

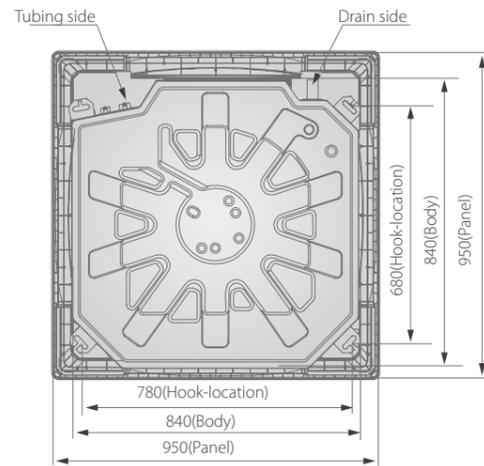
4-way cassette

2-pipe 4-way cassette
Dimensions (unit:mm)

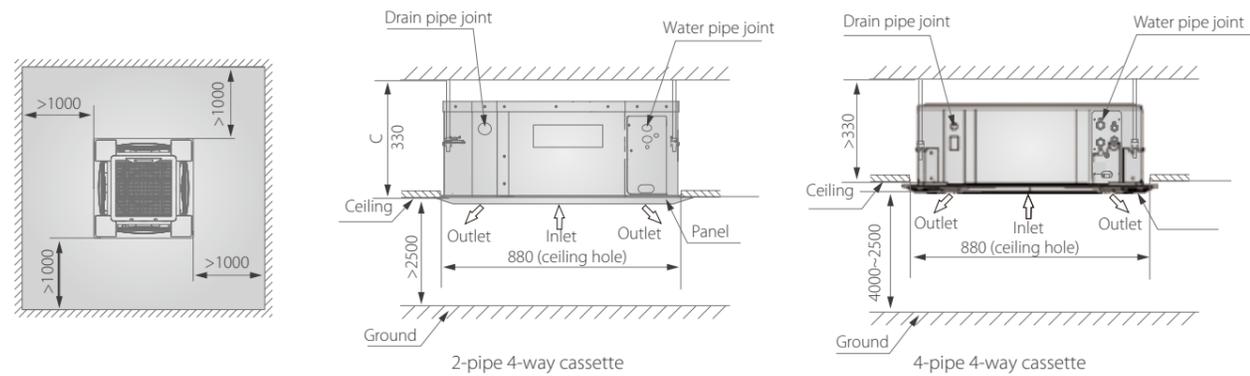


Model	Size	A	B	C	D
MKA-V600R		230	170	135	185
MKA-V750R					
MKA-V850R	300	190	145	195	
MKA-V950R					
MKA-V1200R					
MAK-V1500R					

4-Pipe 4-way cassette
Dimensions (unit:mm)

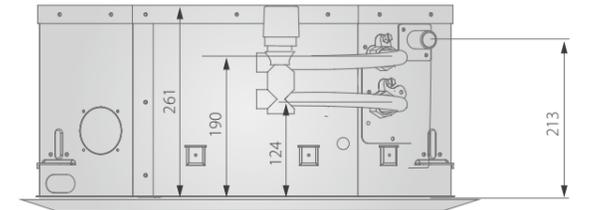
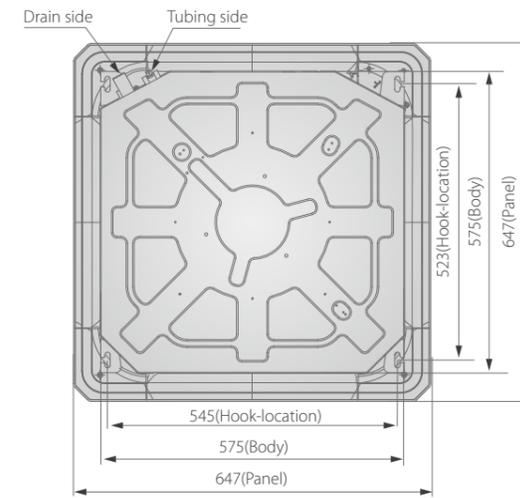


Service Spaces (unit:mm)

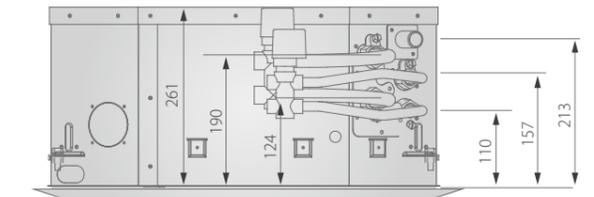
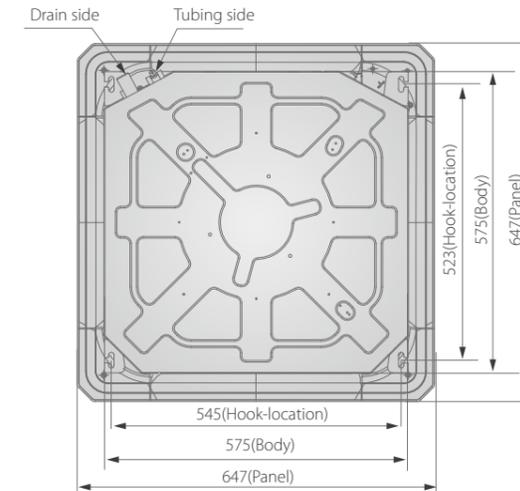


Compact 4-way cassette

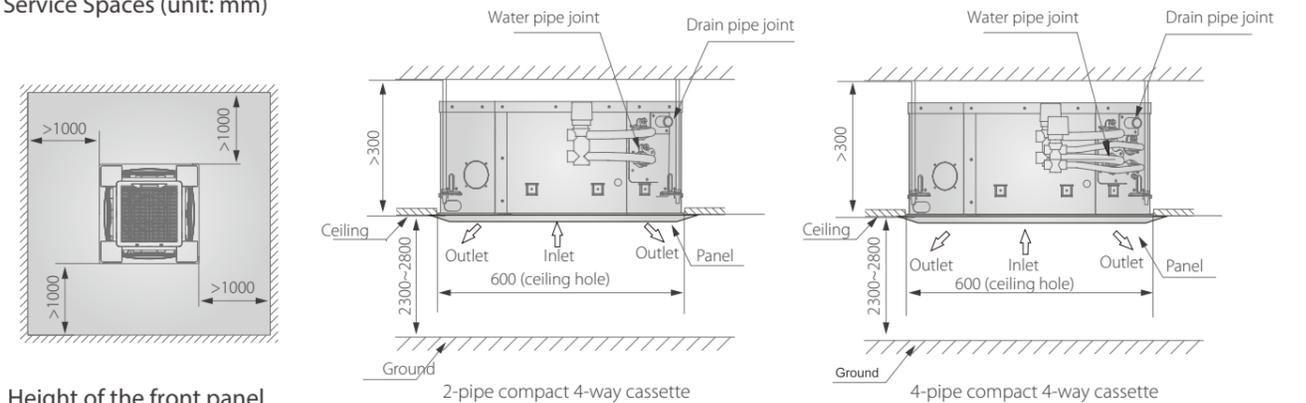
2-pipe compact 4-way cassette
Dimensions (unit: mm)



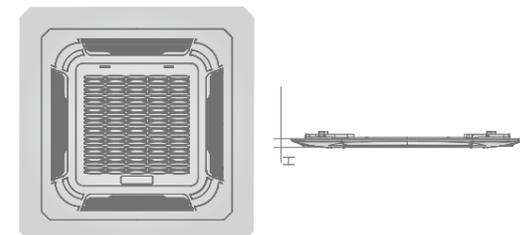
4-pipe compact 4-way cassette
Dimensions (unit: mm)



Service Spaces (unit: mm)



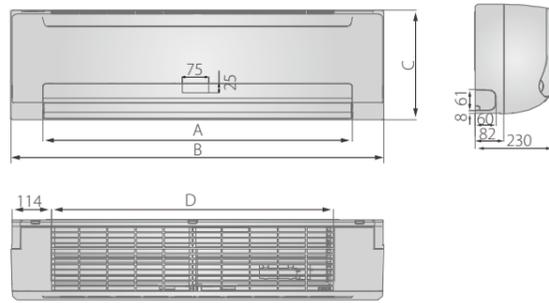
Height of the front panel



Type	H (mm)
4-way cassette	45
Compact 4-way cassette	50

Wall mounted - S type

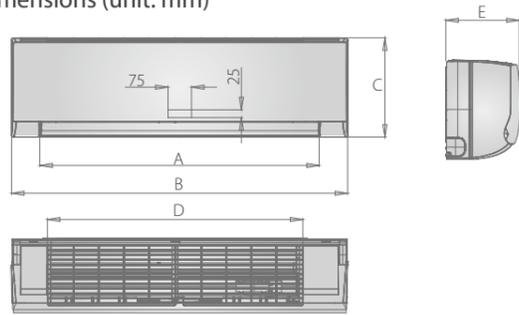
Dimensions (unit: mm)



Model	MKG-V250-B MKG-V300-B MKG-V400-B	MKG-V500-B MKG-V600-B
Size		
A	732	892
B	915	1072
C	290	315
D	663	813

Wall mounted - A type

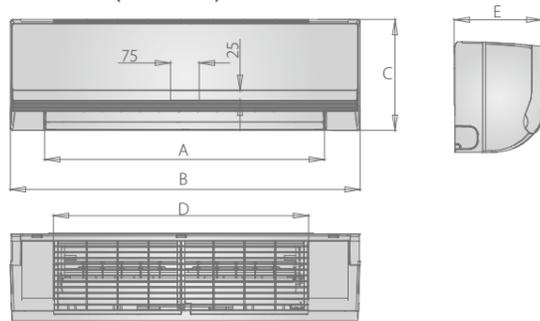
Dimensions (unit: mm)



Model	MKG-V250C MKG-V300C MKG-V400C	MKG-V500C MKG-V600C
Size		
A	732	892
B	915	1072
C	290	315
D	663	813
E	233	237

Wall mounted - P type

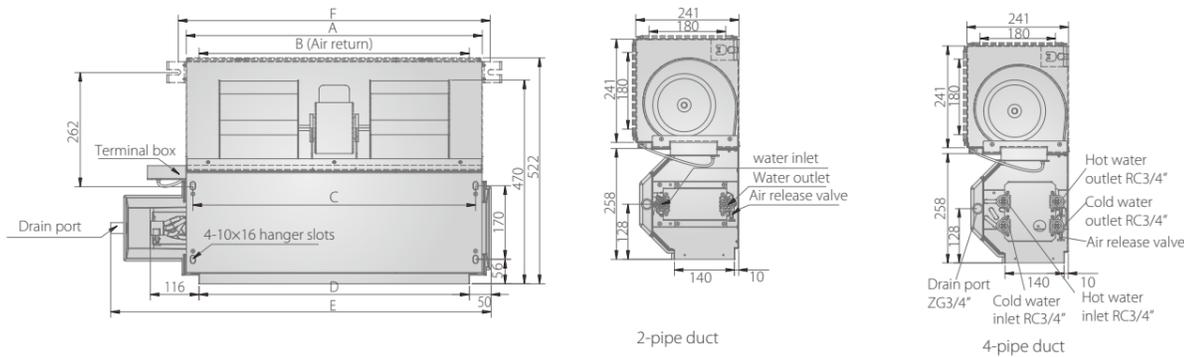
Dimensions (unit: mm)



Model	MKG-V250D MKG-V300D MKG-V400D	MKG-V500D MKG-V600D
Size		
A	732	892
B	915	1072
C	290	315
D	663	813
E	229	232

Duct

Dimensions (unit: mm)



2-pipe duct

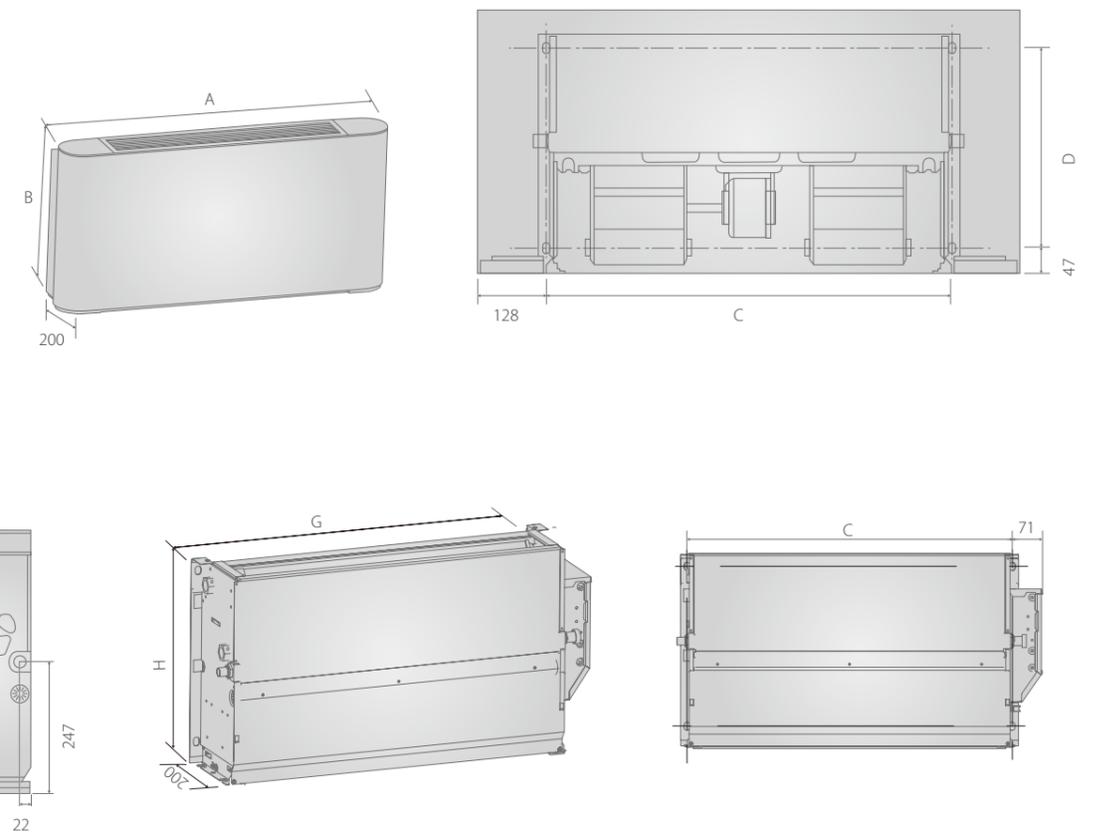
4-pipe duct

(continued: duct units dimensions)

Size	A	B	C	D	E	F
200CFM	545	485	513	485	741	583
300CFM	645	585	613	585	841	683
400CFM	745	685	713	685	941	783
500CFM	745	685	713	685	941	783
600CFM	965	905	933	905	1161	1003
800CFM	1265	1205	1233	1205	1461	1303
1000CFM	1370	1310	1338	1310	1566	1408
1200CFM	1660	1600	1628	1600	1856	1698

2nd generation Ceiling&Floor

Dimensions (unit: mm)



Model	150	250	300	500	700	800
A(mm)	790	1020	1240	1240	1360	1360
B(mm)	495	495	495	495	495	591
C(mm)	534	764	984	984	1104	1104
D(mm)	375	375	375	375	375	319
E(mm)	123	123	123	123	123	219
F(mm)	93	93	93	93	93	102
G(mm)	628	858	1078	1078	1198	1198
H(mm)	455	455	455	455	455	551

CONTROL SOLUTIONS

Midea HBT provides a variety of control schemes:

Embedded wall-mounted comes with standard remote controller. Similarly the other models have their respective series of controllers. The units can also be made to connect with BMS systems by undergoing some customizations.

- ▶ Control Devices
- ▶ Accessories
- ▶ Application of Central Control & BMS Control
- ▶ AC Selection Software
- ▶ DC Selection Software



Functions			FCUKZ-01	FCUKZ-02	FCUKZ-03	FCUKZ-04
Control Customization	Follow me	With the follow me function, the indoor unit responds to the temperature measured by the temperature sensor built-in the wireless remote controller.	×	×	×	×
	Anti cold air	Prevent the unit from cold supply air when starting in winter.	●	●	●	●
	Auto-restart	The unit restarts automatically with the previous settings after power failure	●	●	●	●
	Forced fan running	After reaching the set temperature, the valve body closes and the fan operates according to the setting.	√	√	○	○
	Heat	Only electric auxiliary heating.	√	√	○	○
	Temperature compensation	Heating mode: $T_2 = T_1 + \Delta T$; Cooling mode: $T_2 = T_1 - \Delta T$ T2: Indoor Temperature, T1: Setting Temperature, ΔT : Temperature Compensation	√	√	○	○
	XYE Port	Communicate with central controllers or BMS.	●	●	●	●
	PQE Port	Communicate with Modbus.	○	○	●	●
	CCM18/CCM08/ CCM15/BMS/IMM	Central controllers and BMS.	●	●	●	●
	0-10V output control	By outputting a 0-10 V level, the opening of the valve body is controlled to meet different energy requirements.	×	×	×	×
	0-10V input control	By inputting a 0-10 V level to PCB, the fan motor speed is controlled to meet different energy requirements.	×	×	×	×
Display board	-	●	●	×	×	

Note:

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

Control Devices

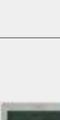
Wireless Remote Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
R05/BGE		<ul style="list-style-type: none"> ● LCD display screen ● Mode control ● Fan speeds control ● Time setting / Temp. setting / Swing setting 	4-way Cassette (standard) 1-way Cassette (standard)
R51/E			Compact 4-way cassette (standard) Wall-mounted (standard)
RM12F		● Display panel (Digital Tube) off	Wall-mounted (New)
		● Individual louver control	4-way Cassette(New)

Wired Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
KJR-18B/E		<ul style="list-style-type: none"> ● Mechanical thermostat ● Mode control ● Fan speeds control ● Temp. setting 	AC Ceiling& Floor and Duct without electric heater (optional)
KJR-29B		<ul style="list-style-type: none"> ● Receiving remote signal ● Mode control ● Fan speeds control ● Temp. setting 	AC Cassette / Wall-mounted (optional) DC Cassette / Wall-mounted (optional)
KJR-75A/BK		<ul style="list-style-type: none"> ● LED display screen ● Mode control ● Seven speed fan control ● Temp. setting 	DC 2nd generation Ceiling&Floor(optional) DC one-way cassette (optional)
KJRP-86I/MFK-E		<ul style="list-style-type: none"> ● LCD display screen ● Mode control ● Fan speeds control ● Timer / Temp. setting ● ECO setting/reminder 	AC Ceiling& Floor and AC&DC Duct without electric heater (optional)
KJRP-86A/BMFNKD-E		<ul style="list-style-type: none"> ● LCD display screen ● Mode/Electric heater control ● Fan speeds control ● Timer / Temp. setting ● ECO setting/reminder ● Compatible with Modbus 	AC Ceiling& Floor and AC&DC Duct (optional)

Centralized Controllers

Model	Appearance	Function Descriptions	Applicable FCUs
CCM09		<ul style="list-style-type: none"> ● Weekly schedule function ● Large LCD display screen ● Max. of 64 FCUs can be controlled by a CCM09 ● Mode control / fan speed control ● Time setting / temp. setting / swing setting 	All FCUs (AC 1-way cassette FCUs need adding NIM01 module, non-PCB FCUs need adding PC board control kit)
CCM30		<ul style="list-style-type: none"> ● Touch-style keys ● Large LCD display screen ● Max. of 64 FCUs can be controlled by a CCM30 ● Mode control / fan speed control ● Time setting / temp. setting / swing setting 	

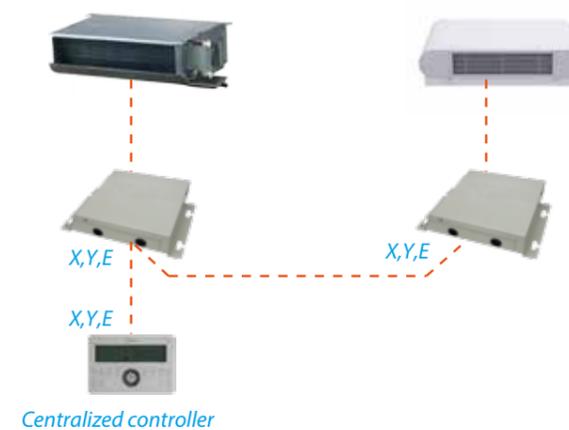
Accessories

PC Board Control Kit for FCU



- Available for all non-PCB FCUs.
- Flexibility installation: can be attached to the unit, mounted on a wall or hung under a ceiling.
- External installation making maintenance more convenient.
- Functions: three fan speeds control, Water pump control, Long-distance ON/OFF control, ALARM function, electric heater control.
- Operating status can be displayed by wired controller lamp indicator.
- Centralized control function.
- BMS control function through Modbus protocol.

Centralized control



Note: The ceiling&floor of AC and duct series of AC and DC need PCB kit to connect Centralized controller.

Model	CE-FCUKZ-01		CE-FCUKZ-02
Applicable appliance	2-pipe FCUs		4-pipe FCUs
Power supply	V-Ph-Hz		220~240-1-50/60
Operation range	Room temp.	℃	17-30
	Inlet water temp.	℃	3-75
Temp. controlling precision	℃		±1
Net dimension	WxHxD	mm	310x76x290
Packing size	WxHxD	mm	384x174x359
Net weight	kg		2.5
Gross weight	kg		4.6

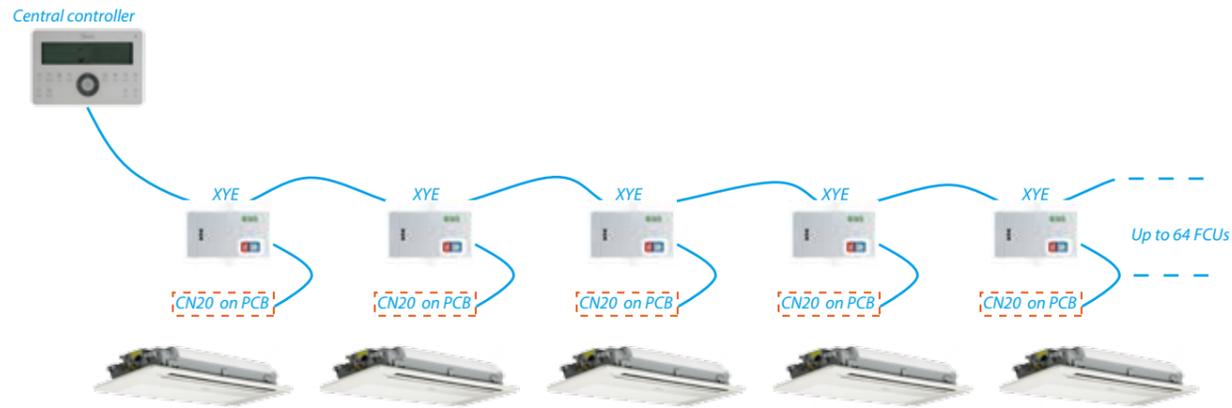
Model	CE-FCUKZ-03		CE-FCUKZ-04
Applicable appliance	2-pipe FCUs		4-pipe FCUs
Power supply	V-Ph-Hz		220~240-1-50/60
Operation range	Room temp.	℃	17-30
	Inlet water temp.	℃	3-75
Temp. controlling precision	℃		±1
Net dimension	WxHxD	mm	296x66x212
Packing size	WxHxD	mm	410x115x262
Net weight	kg		1.4
Gross weight	kg		2.5

Network Module

- Achieve centralized control through XYE connection.
- Only available for one way Cassette of AC.
- Address setting should be same as connecting FCU.
- There LEDs display: operation indicator lamp, communication indicator lamp and malfunction indicator lamp.



Central wiring



Valve kit

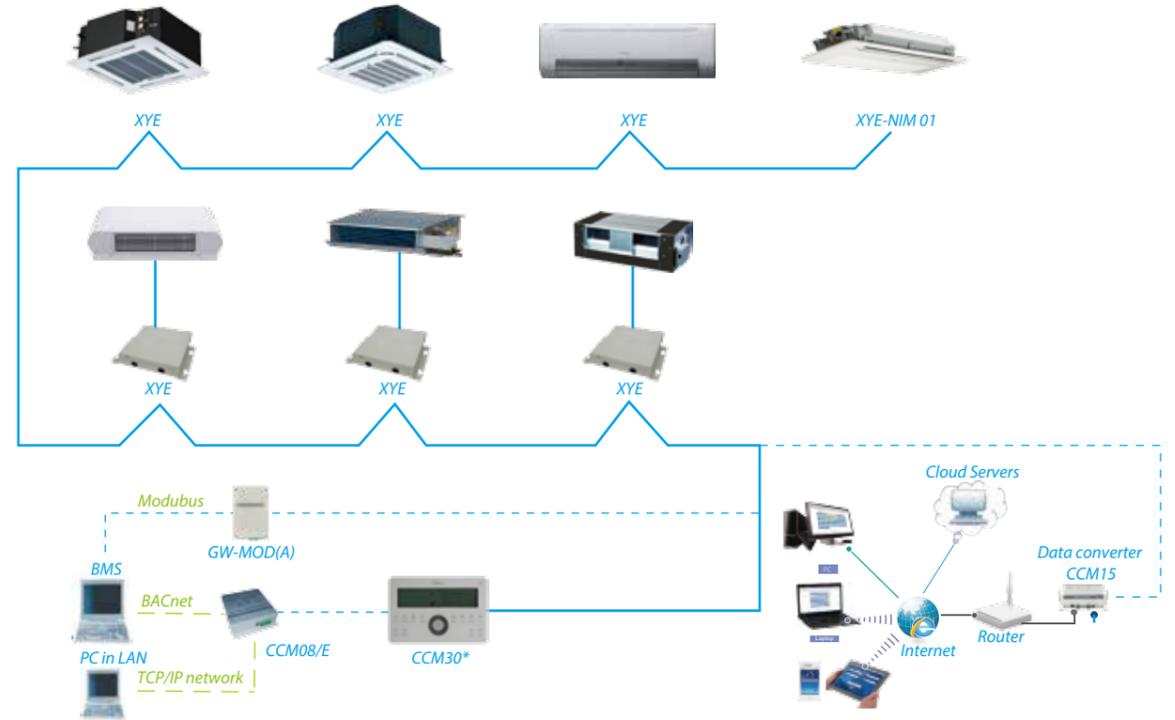
DN(mm)	Inner Screw Thread	Applicable Appliance
15	1/2"	For 4-pipe cassette and ceiling&floor (for cold water),
20	3/4"	For 2-pipe FCU,4-pipe duct, 4-pipe cassette and ceiling&floor (for cold water).



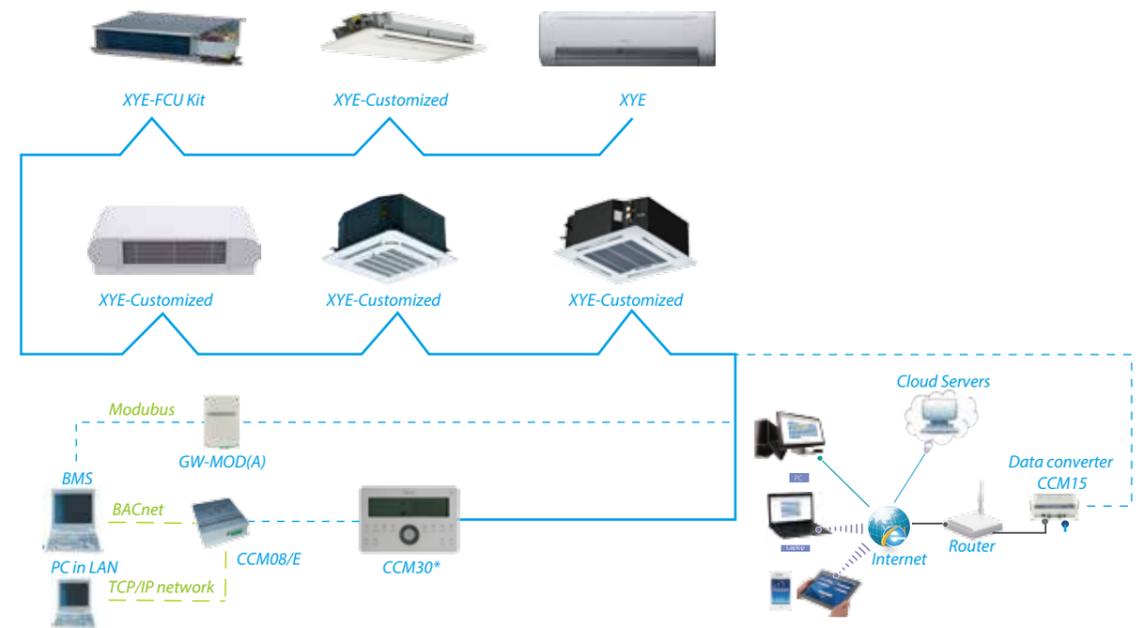
Note:
The valve kit includes valve, actuator and connecting pipe. For different model of units, the models of valve kit are difference.

Application of Central Control & BMS Control

AC Series

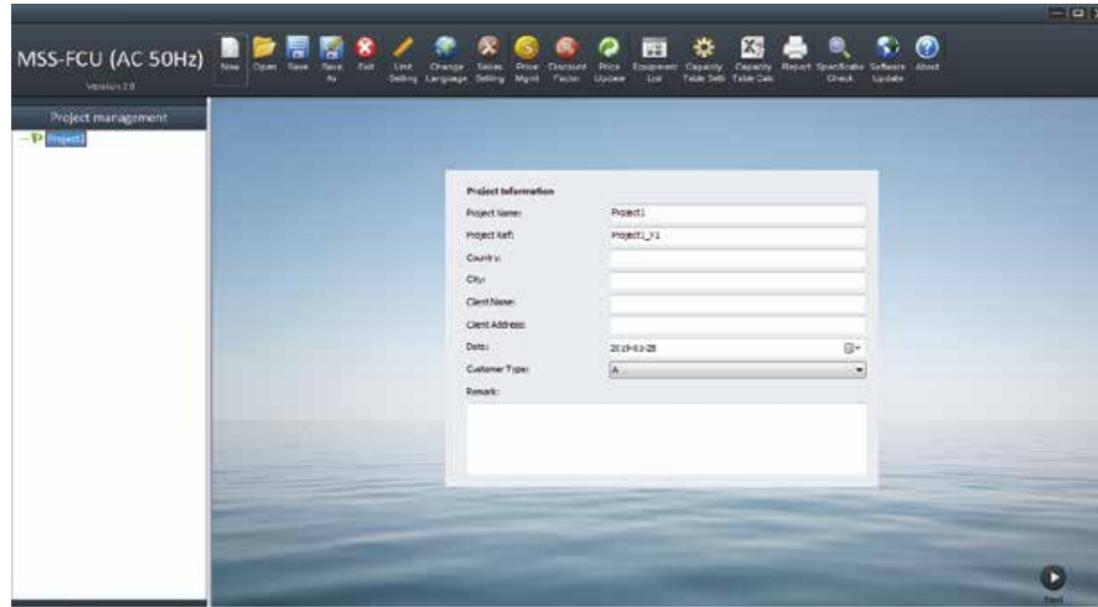


DC Series



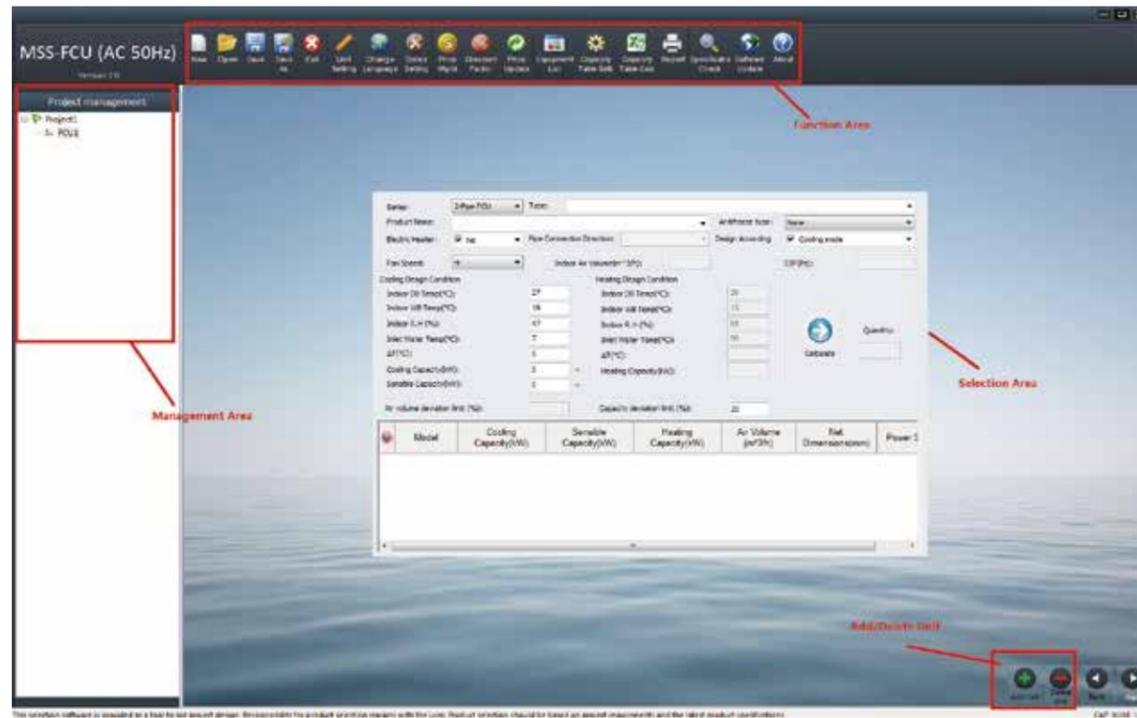
*Note: When connecting to BMS through the BACnet protocol gateway, a customized version of CCM30 is required.

Features

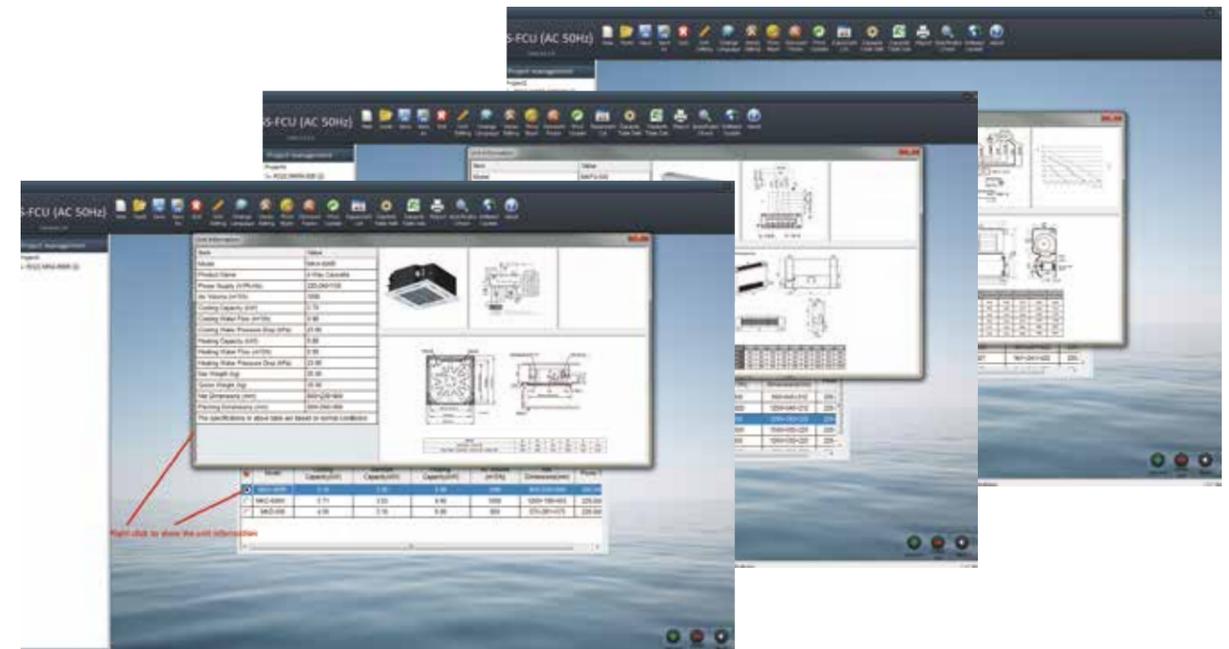


- Select by entering air and water conditions as well as fan speed.
- Easy to operate interface and visual display.
- Powerful project management function.

Main Interface



Selection Interface



Report Data Interface

The screenshot shows the 'Report Data Interface' displaying a detailed data table for 'MSS-FCU (AC 50Hz)'. The table is organized by indoor temperature (21.0, 23.0, 25.0, 27.0, 29.0) and outdoor temperature (15.0, 17.0, 19.0, 20.0, 21.0, 22.0, 23.0, 24.0, 25.0, 26.0, 27.0, 28.0, 29.0, 30.0). The columns represent various performance metrics such as Cooling Capacity (kW), Sensible Capacity (kW), Heating Capacity (kW), and Air Volume (m³/s).