1403-8C1310

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

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

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

Dealer information

Commercial Air Conditioner Business Units
Midea Group

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http://global.midea.com.cn

http://www.midea.com

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

Ver.2013.10

COMMERCIAL AIR CONDITIONERS

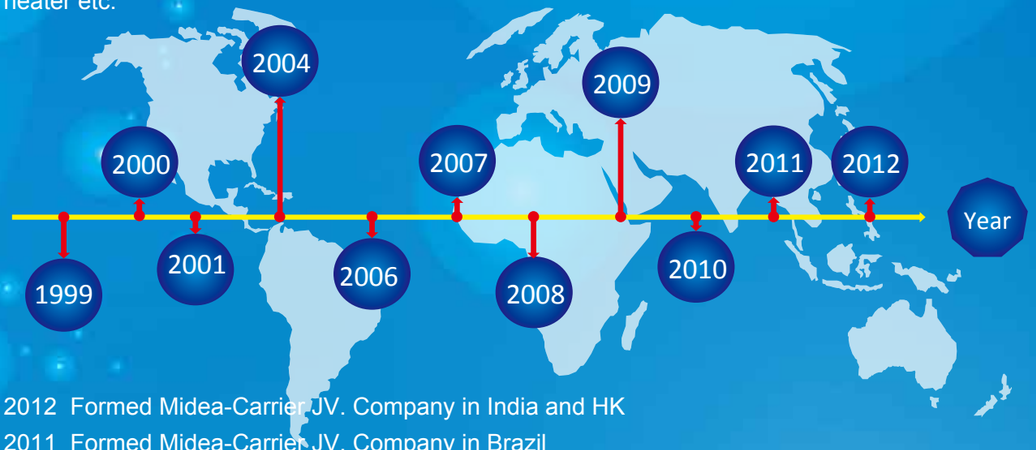
Fan Coil Units 50/60Hz

Midea CAC (MCAC)

As a key part of Midea Group, the Midea Central Air Conditioner (MCAC) Business Unit is a professional CAC products supplier and commercial products solution expert. Since 1999 Midea central air-conditioner contributes to the commercial product R&D and technology innovation. By cooperating with the international enterprises plus the independent R&D, Midea CAC achieves big success in the commercial air-conditioner market and has established thousands of sample projects all over the world.

Right now Midea CAC is one of the most professional CAC products supplier as well as the professional project solution provider in marketing, sales, project design and after service etc.

There are three production bases in Shunde, Chongqing and Hefei.
MCAC Shunde factory with 38 product lines concentrates on the VRF (DC inverter product/ Digital scroll product), split product, heat pump water heater, AHU/FCU etc.
MCAC Chongqing factory with 14 product lines concentrates on the water cooled centrifugal / screw/ scroll chillers, Air cooled screw/ scroll chillers, AHU/FCU etc.
MCAC Hefei factory with 11 product lines concentrates on the VRF, chillers, heat pump water heater etc.



2012 Formed Midea-Carrier JV. Company in India and HK
2011 Formed Midea-Carrier JV. Company in Brazil
2010 Built the 3rd manufacturing base in Hefei
2009 Launched the DC inverter V4 system to the world
2008 JV with Toshiba Carrier for the DC inverter technology
2007 Won the first Midea centrifugal chiller project oversea
2006 Launched the first VSD centrifugal chiller
2004 Acquired MGRE entered the chiller industry
2001 Allied with Copeland for the Digital scroll VRF system
2000 Developed the first inverter VRF with Toshiba
1999 Started CAC business

Product Line Up

2-pipe Fan Coil Units

Cassette (300–1500CFM)

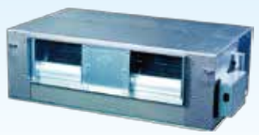
4-way Cassette

Compact 4-way cassette

1-way Cassette

Duct (200-2200CFM)

Standard Static Pressure Duct



High Static Pressure Duct

Wall-mounted (250-600CFM)

Wall-mounted

Floor-standing and Ceiling & Floor (150-900CFM)

Floor-standing with curved diffuser

Floor-standing with flat diffuser

Ceiling & Floor

Concealed Type

4-pipe Fan Coil Units

Cassette (300-1500CFM)

4-way Cassette

Compact 4-way Cassette

Duct (200-1400CFM)

Introduction

Dedicated to creat a comfortable,queit and high quality life for you

The Midea Chilled Water Fan Coil Unit is designed and manufactured on the base of advanced technology, and utilize qualified galvanized iron as structure material. Due to its supper-thin design, it has such advantages: beautiful outlook, space saving, easy installation, etc. And the most obvious advantage is that it can decrease the outlet air temperature difference as low as possible to make room more comfortable, as well as don't decrease cooling capacity output. For the large air flow volume design, it can increase room ventilation frequency, supply more flesh air, and balance room temperature distribution. Benefiting from adoption of advanced material and technology, it can effectively reduce the running noise and keep running smoothly. With the advantages above, it can be widely applied in market, hospital, office building, hotel, airport, etc..

The Midea Chilled Water Fan Coil Unit contains ceiling exposed type, ceiling concealed type, wall-mounted type and floor-standing type. The air volume varies from 150CFM~2,200CFM (255m^3/h~3740m^3/h). The standard power supply is 220-240V/1 phase/50Hz.

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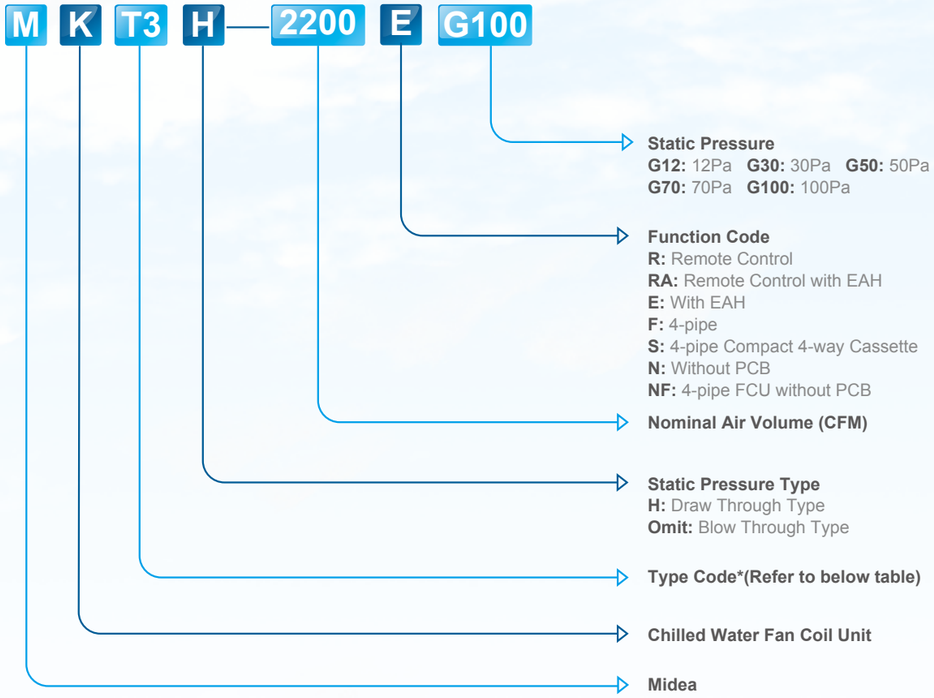
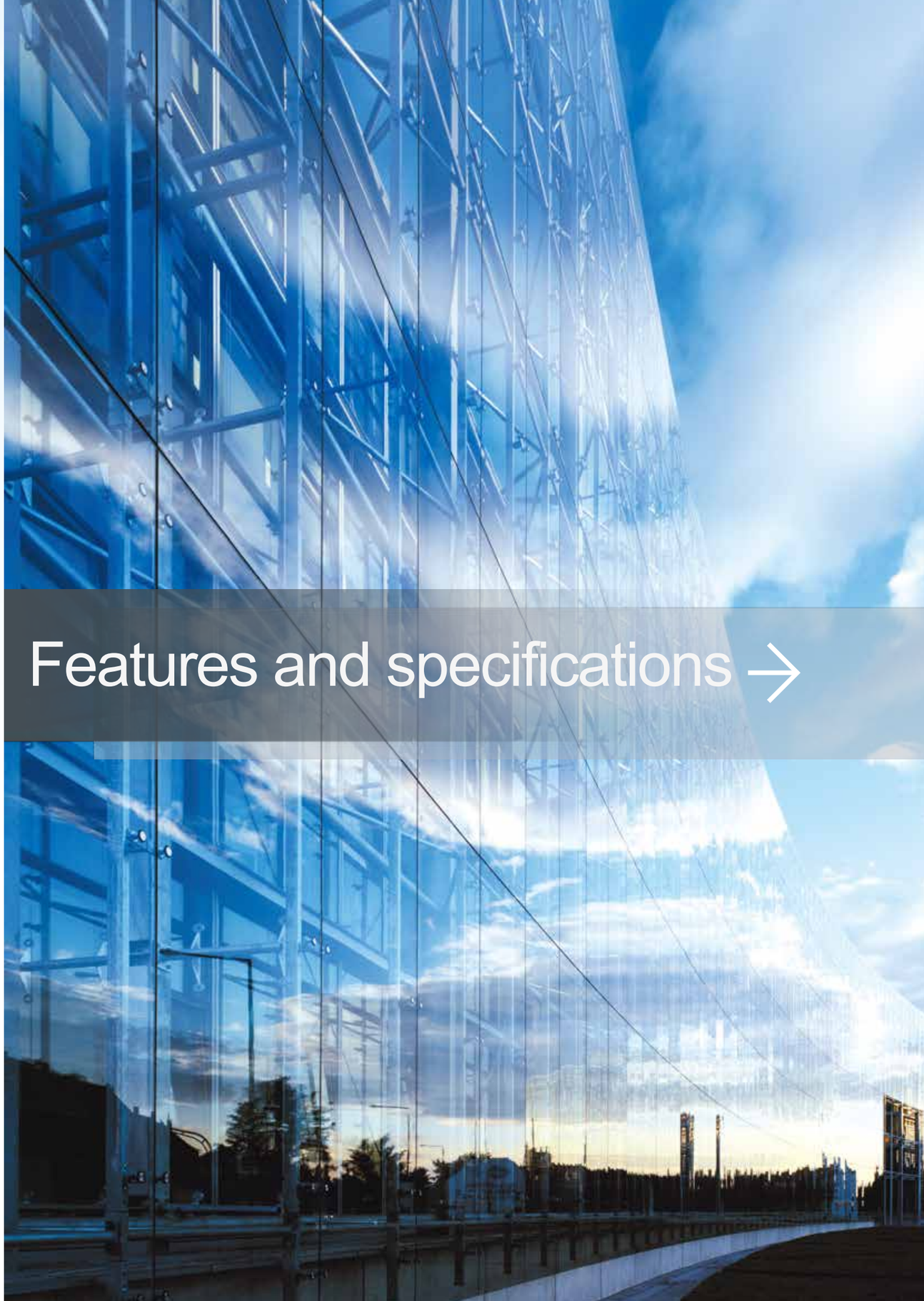
Nomenclature
Features and specifications
Dimensions
Fan performance
Controllers
Accessories
Application of network & BMS control
Selection software

Nomenclature



*Meaning of the code

Type Code	Meanings
A	4-way cassette
C	1-way cassette
D	Compact 4-way cassette
F1	Exposed floor-standing (air return from side) with curved diffuser
F2	Exposed floor-standing (air return from bottom) with curved diffuser
F3	Concealed floor-standing
F4	Exposed floor-standing (air return from side) with flat diffuser
F5	Exposed floor-standing (air return from bottom) with flat diffuser
G	Wall-mounted
H1	Exposed ceiling & floor (air return from side)
H2	Exposed ceiling & floor (air return from bottom)
H3	Concealed ceiling & floor
T2	2-row duct
T3	3-row duct
T4	4-row duct
T3***F	4-pipe duct
T3H***G***	High static pressure duct
Q	District cooling (High temp. difference)



Cassette

2–Pipe 4–way cassette

2–Pipe compact 4–way cassette

4–Pipe 4–way cassette

4–Pipe compact 4–way cassette

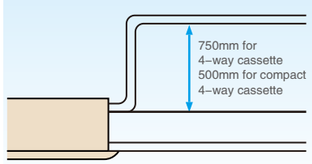
Features

- Capacity range: 300CFM to 1500CFM, available in 2-pipe and 4-pipe.
- 220-240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customized.
- Units with PCB or without PCB are optional.
- 4-way air supply panel is standard for 4-way cassette,360° airsupply panel is standard for compact 4-way cassette.
- Unique design of the centrifugal fan ensures extra-quiet operation and high efficiency.
- Wireless remote control with LED display is standard, wired control is optional.
- Safety grill for safety maintenance.
- Built-in drain pump with high pumping head.
- Optional extended drainage pan for protecting your ceiling better.
- Four-speed motor with one reserved for more choice.
- Fresh air supply makes life healthier and more comfortable.

4-way panel

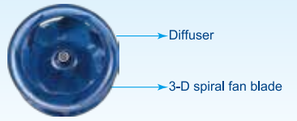
Fresh air supply

High water pump head



360°panel

Quiet operation,soft air supply



Safety grill

2-Pipe 4-Way Cassette

Model MKA-				600R 600RA	750R 750RA	850R 850RA	950R 950RA	1200R 1200RA	1500R 1500RA
Air flow		H/M/L	m^3/h	1000/850/720	1250/1060/900	1400/1190/1010	1600/1360/1150	2000/1700/1440	2550/2170/1840
		H/M/L	CFM	590/500/420	740/620/530	820/700/590	940/800/680	1180/1000/850	1500/1280/1080
Cooling	Capacity	H/M/L	kW	5.7/4.73/3.96	7/5.62/4.72	7.27/6.46/5.71	8.22/7.39/6.54	10.39/9.25/8.2	12.9/11.51/10.21
	Water flow rate	H	l/h	980	1204	1250	1414	1787	2219
	Water pressure drop	H	kPa	23.8	25.2	27	31.2	44	40
Heating	Capacity	H/M/L	kW	9.66/7.72/6.27	11.55/9.24/7.51	12.42/9.93/8.07	12.85/11.08/9	17.58/14.06/11.42	17.6/14.08/11.44
	Water pressure drop	H	kPa	16.4	11.8	14.6	14.8	34.7	36.7
Power supply			V/ph/Hz	220-240/1/50					
Power input		H	W	125	130	150	155	190	190
Electric heater capacity (A)			W	2100	2100	2850	2850	2850	2850
Sound pressure level		H/M/L	dB(A)	45/41/36	46/42/37	47/43/38	48/44/39	49/45/40	50/46/41
Fan motor	Type			Low noise 4-speed fan motor					
	Quantity			1					
Fan	Type			Centrifugal, forward-curved Blades					
	Quantity			1					
Coil	Row			2	2	2	2	2	3
	Max. Working pressure		MPa	1.6					
	Diameter		mm	Φ7					
Panel	Dimensions	W×H×D	mm	950×45×950					
	Packing	W×H×D	mm	1035×90×1035					
	Net weight		kg	6					
	Gross weight		kg	9					
Body	Dimensions	W×H×D	mm	840×230×840	840×230×840	840×300×840	840×300×840	840×300×840	840×300×840
	Packing	W×H×D	mm	900×260×900	900×260×900	900×330×900	900×330×900	900×330×900	900×330×900
	Net weight	*/A	kg	25/27	25/27	30.5/33	30.5/33	30.5/33	35/37.5
	Gross weight	*/A	kg	30/32	30/32	36.2/39	36.2/39	36.2/39	41/43.8
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4					
	Drain pipe		mm	ODΦ32					

2-Pipe 4-Way Cassette without PCB

Model MKA-				750N	950N	1200N	1500N
Air flow		H/M/L	m^3/h	1250/1060/900	1600/1360/1150	1920/1630/1380	1900/1620/1370
		H/M/L	CFM	740/620/530	940/800/680	1130/960/810	1120/950/800
Cooling	Capacity	H/M/L	kW	6.1/5.27/4.68	6.65/5.74/5.11	9.9/8.55/7.61	11.4/9.85/8.76
	Water flow rate	H	l/h	1049	1144	1703	1961
	Water pressure drop	H	kPa	25.2	31.2	44	40
Heating	Capacity	H/M/L	kW	8.1/6.64/5.83	8.6/7.05/6.19	16.5/13.53/11.88	19/15.58/13.68
	Water pressure drop	H	kPa	11.8	14.8	34.7	36.7
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	130	190	180	228
Sound pressure level		H/M/L	dB(A)	46/42/37	48/44/39	49/45/40	50/46/41
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			1			
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			1			
Coil	Row			2	2	2	3
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ7			
Panel	Dimensions	W×H×D	mm	950× 45 × 950			
	Packing	W×H×D	mm	1035 × 90 × 1035			
	Net weight		kg	6			
	Gross weight		kg	9			
Body	Dimensions	W×H×D	mm	840×230×840	840×300×840	840×300×840	840×300×840
	Packing	W×H×D	mm	900×260×900	900×330×900	900×330×900	900×330×900
	Net weight		kg	29	35	35	35
	Gross weight		kg	35	41	41	41
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	ODΦ32			

Note:

1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.
4. * for models without electric heater, A for models with electric heater.

Features and specifications

2-Pipe Compact 4-Way Cassette

Model MKD-				300	400	500
Air flow		H/M/L	m^3/h	510/440/360	680/580/480	850/730/600
		H/M/L	CFM	300/260/210	400/340/280	500/430/350
Cooling	Capacity	H/M/L	kW	3/2.58/2.16	3.7/3.18/2.66	4.5/3.6/3.06
	Water flow rate	H	l/h	516	636	774
	Water pressure drop	H	kPa	14	15	16
Heating	Capacity	H/M/L	kW	4/3.5/3.08	5.1/4.3/3.83	6/4.76/4.07
	Water pressure drop	H	kPa	12	13	15
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	50	70	95
Sound pressure level		H/M/L	dB(A)	36/33/28	42/39/32	45/42/34
Fan motor	Type			Low noise 4-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		
Panel	Dimensions	W×H×D	mm	647×50×647		
	Packing	W×H×D	mm	715×123×715		
	Net weight		kg	2.5		
	Gross weight		kg	4.5		
Body	Dimensions	W×H×D	mm	575×261×575		
	Packing	W×H×D	mm	670×290×670		
	Net weight		kg	17.5		
	Gross weight		kg	21.5		
Pipe connection	Water inlet/outlet pipe		Inch	G3/4		
	Drain pipe		mm	ODΦ25		

2-Pipe Compact 4-Way Cassette without PCB

Model MKD-				300N	400N	500N
Air flow		H/M/L	m^3/h	510/440/360	680/580/480	850/730/600
		H/M/L	CFM	300/260/210	400/340/280	500/430/350
Cooling	Capacity	H/M/L	kW	2.93/2.58/2.16	3.7/3.18/2.66	4.5/3.6/3.06
	Water flow rate	H	l/h	504	636	774
	Water pressure drop	H	kPa	14	15	16
Heating	Capacity	H/M/L	kW	4/3.5/3.08	5.1/4.3/3.83	6/4.76/4.07
	Water pressure drop	H	kPa	12	13	15
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	50	70	87
Sound pressure level		H/M/L	dB(A)	36/33/28	42/39/32	45/42/34
Fan motor	Type			Low noise 4-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		
Panel	Dimensions	W×H×D	mm	647×50×647		
	Packing	W×H×D	mm	715×123×715		
	Net weight		kg	2.5		
	Gross weight		kg	4.5		
Body	Dimensions	W×H×D	mm	575×261×575		
	Packing	W×H×D	mm	670×290×670		
	Net weight		kg	17.5		
	Gross weight		kg	21.5		
Pipe connection	Water inlet/outlet pipe		Inch	G3/4		
	Drain pipe		mm	ODΦ25		

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.

4-Pipe 4-Way Cassette

Model MKA-				600F	750F	850F	950F	1200F	1500F
Air flow		H/M/L	m^3/h	1150/800/690	1460/1020/880	1480/1040/890	1720/1200/1030	1860/1300/1110	2100/1470/1260
		H/M/L	CFM	680/470/410	860/600/510	870/610/520	1010/700/610	1090/760/650	1230/860/740
Cooling	Capacity	H/M/L	kW	5.1/4.08/3.76	5.93/4.41/3.94	6.17/5.13/4.59	6.7/5.48/4.85	9.28/7.45/6.5	10.58/7.45/6.5
	Water flow rate	H	l/h	877	1020	1061	1152	1596	1820
	Water pressure drop	H	kPa	15	17	20	22	32	38
Heating	Capacity	H/M/L	kW	6.67/5.87/5.07	7.87/6.85/5.9	8.06/6.93/6.05	8.67/7.63/6.59	11.65/10.49/8.85	12.62/11.36/9.47
	Water flow rate	H	l/h	574	677	693	746	1002	1085
	Water pressure drop	H	kPa	37	41	39	42	57	61
Power supply			V/ph/Hz	220-240/1/50					
Power input		H	W	170	188	198	205	197	234
Sound pressure level		H/M/L	dB(A)	42/32/26	44/34/28	46/36/30	47/38/32	48/40/34	50/42/36
Fan motor	Type			Low noise 4-speed fan motor					
	Quantity			1					
Fan	Type			Centrifugal, forward-curved Blades					
	Quantity			1					
Coil	Row			2	2	2	2	3	3
	Max. Working pressure		MPa	1.6					
	Diameter		mm	Φ7					
Panel	Dimensions	W×H×D	mm	950×45×950					
	Packing	W×H×D	mm	1035×90×1035					
	Net weight		kg	6					
	Gross weight		kg	9					
Body	Dimensions	W×H×D	mm	840×300×840					
	Packing	W×H×D	mm	900×330×900					
	Net weight		kg	35	35	35	35	38	38
	Gross weight		kg	41	41	41	41	44	44
Pipe connection	Water inlet/outlet pipe		Inch	Cold water: RC3/4; Hot water: RC1/2					
	Drain pipe		mm	ODΦ32					

4-Pipe 4-Way Cassette without PCB

Model MKA-				750NF	950NF	1200NF	1500NF
Air flow		H/M/L	m^3/h	1460/1020/880	1720/1200/1030	1860/1300/1110	2050/1470/1260
		H/M/L	CFM	860/600/520	1010/700/610	1090/760/650	1210/860/740
Cooling	Capacity	H/M/L	kW	5.93/4.41/3.94	6.65/5.48/4.85	9.1/7.32/6.35	10/7.01/6.05
	Water flow rate	H	l/h	1020	1144	1565	1720
	Water pressure drop	H	kPa	17	22	32	38
Heating	Capacity	H/M/L	kW	7.87/6.85/5.9	8.6/7.63/6.59	11.65/10.49/8.85	12.6/11.36/9.47
	Water flow rate	H	l/h	677	740	1002	1084
	Water pressure drop	H	kPa	41	42	57	61
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	188	190	197	234
Sound pressure level		H/M/L	dB(A)	44/34/28	47/38/32	48/40/34	50/42/36
Fan motor	Type			Low noise 3-speed fan motor			
	Quantity			1			
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			1			
Coil	Row			2	2	3	3
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ7			
Panel	Dimensions	W×H×D	mm	950×45×950			
	Packing	W×H×D	mm	1035×90×1035			
	Net weight		kg	6			
	Gross weight		kg	9			
Body	Dimensions	W×H×D	mm	840×300×840			
	Packing	W×H×D	mm	900×330×900			
	Net weight		kg	35	35	38	38
	Gross weight		kg	41	41	44	44
Pipe connection	Water inlet/outlet pipe		Inch	Cold water: RC3/4; Hot water: RC1/2			
	Drain pipe		mm	OD Φ32			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 70℃,entering/leaving temperature difference is 10℃, entering air temperature 20℃DB.
3. The noise is tested in the semi-anechoic test room.

4-Pipe Compact 4-Way Cassette

Model MKD-				300S	400S	500S
Air flow		H/M/L	m^3/h	510/440/360	680/580/480	850/730/600
		H/M/L	CFM	300/260/210	400/340/280	500/430/350
Cooling	Capacity	H/M/L	kW	2.5/2.2/1.76	2.9/2.55/2.04	3.5/2.87/2.15
	Water flow rate	H	l/h	430	499	602
	Water pressure drop	H	kPa	22	16	24
Heating	Capacity	H/M/L	kW	3.7/3.29/2.92	4.6/3.82/3.4	5.1/4.03/3.52
	Water flow rate	H	l/h	318	396	439
	Water pressure drop	H	kPa	17	23	27
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	50	70	95
Sound pressure level		H/M/L	dB(A)	36/33/28	42/39/32	45/42/34
Fan motor	Type			Low noise 4-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		
Panel	Dimensions	W×H×D	mm	647×50×647		
	Packing	W×H×D	mm	715×123×715		
	Net weight		kg	2.5		
	Gross weight		kg	4.5		
Body	Dimensions	W×H×D	mm	575×261×575		
	Packing	W×H×D	mm	670×290×670		
	Net weight		kg	17.5		
	Gross weight		kg	21.5		
Pipe connection	Water inlet/outlet pipe		Inch	Cold water: G3/4; Hot water: G1/2		
	Drain pipe		mm	OD Φ 25		

4-Pipe Compact 4-Way Cassette without PCB

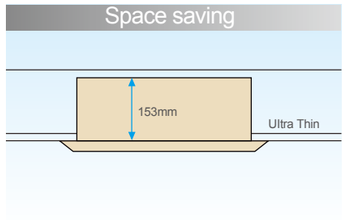
Model MKD-				300NF	400NF	500NF
Air flow		H/M/L	m^3/h	510/440/360	680/580/480	850/730/600
		H/M/L	CFM	300/260/210	400/340/280	500/430/350
Cooling	Capacity	H/M/L	kW	2.36/2.1/1.67	2.9/2.55/2.04	3.5/2.87/2.15
	Water flow rate	H	l/h	406	499	602
	Water pressure drop	H	kPa	22	16	24
Heating	Capacity	H/M/L	kW	3.7/3.29/2.92	4.6/3.82/3.4	4.83/3.88/3.36
	Water flow rate	H	l/h	318	396	415
	Water pressure drop	H	kPa	17	23	27
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	50	70	87
Sound pressure level		H/M/L	dB(A)	36/33/28	42/39/32	45/42/34
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		
Panel	Dimensions	W×H×D	mm	647×50×647		
	Packing	W×H×D	mm	715×123×715		
	Net weight		kg	2.5		
	Gross weight		kg	4.5		
Body	Dimensions	W×H×D	mm	575×261×575		
	Packing	W×H×D	mm	670×290×670		
	Net weight		kg	17.5		
	Gross weight		kg	21.5		
Pipe connection	Water inlet/outlet pipe		Inch	Cold water: G3/4; Hot water: G1/2		
	Drain pipe		mm	ODΦ25		

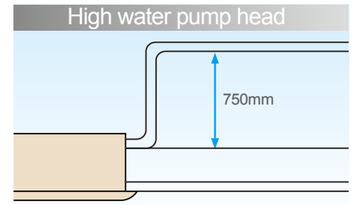
Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 70℃,entering/leaving temperature difference is 10℃, entering air temperature 20℃DB.
3. The noise is tested in the semi-anechoic test room.

1-way cassette

Features

- Capacity range: 300CFM to 600CFM.
- 220-240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customized.
- Smoother air flow with less turbulence.
- One direction air flow guarantees quick cooling, flexible installation position.
- Space saving, only 153mm in height.
- Built-in drain pump with 750mm pumping head.
- Four-speed motor with one reserved for more choice.





Model MKC-				300R-B 300RA-B	400R-B 400RA-B	600HRN4
Air flow		H/M/L	m^3/h	510/450/400	630/560/500	1000/880/800
		H/M/L	CFM	300/270/240	370/330/300	590/520/470
Cooling	Capacity	H/M/L	kW	3.04/2.79/2.56	3.79/3.58/3.38	5.709/4.85/4.36
	Water flow rate	H	l/h	520	650	982
	Water pressure drop	H	kPa	14	20	20.2
Heating	Capacity	H/M/L	kW	5.13/4.69/4.04	6.41/5.86/5.11	9.6/8.36/7.48
	Water pressure drop	H	kPa	9	16	18.1
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	32	40	125
Electric heater capacity (A)			W	750	750	/
Sound pressure level		H/M/L	dB(A)	36/34/32	37/35/34	42/39/37
Fan motor	Type			Low noise 4-speed fan motor		
	Quantity			1		
Fan	Type			Cross blow fan		Centrifugal,forward-curved Blades
	Quantity			1		4
Coil	Row			2		3
	Max. Working pressure		MPa	1.6		
	Diameter		mm	Φ7		Φ7
Panel	Dimensions	W×H×D	mm	1180x25x465		1420×10×755
	Packing	W×H×D	mm	1232x107x517		1500×110×870
	Net weight		kg	3.5		9
	Gross weight		kg	5.2		12
Body	Dimensions	W×H×D	mm	1054x169x425		1200×198×655
	Packing	W×H×D	mm	1155x245x490		1380×265×720
	Net weight	*/A	kg	12.8/13.1		32.6
	Gross weight	*/A	kg	16.6/17.1		36.3
Pipe connection	Water inlet/outlet pipe		Inch	RC1/2		
	Drain pipe		mm	ODΦ25		

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.
4. * for models without electric heater, A for models with electric heater.

Duct

2–Pipe duct

4–pipe duct

Features

- Capacity range: 200~2000CFM, available in 2-pipe and 4-pipe.
- 220-240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customized.
- Wide external static pressure supplying. Three external static pressure (12Pa/30Pa/50Pa) settings for added flexibility.
- A patent design is able to prevent abnormal noise caused by blowing flins.
- Higher efficient heat exchange for complete contranatant flow.
- Safe factory-installed electric heater is optional.
- Standard extended drainage pan for protecting your celling better.
- Return air plenum and filter are standard.
- Left or right hand piping connections, field convertible.
- Fresh air supply makes life healthier and more comfortable.

2-Row Duct									
12Pa ESP	MKT2-200(E)G12	MKT2-300(E)G12	MKT2-400(E)G12	MKT2-500(E)G12	MKT2-600(E)G12	MKT2-800(E)G12	MKT2-1000(E)G12	MKT2-1200(E)G12	MKT2-1400(E)G12
30Pa ESP	MKT2-200(E)G30	MKT2-300(E)G30	MKT2-400(E)G30	MKT2-500(E)G30	MKT2-600(E)G30	MKT2-800(E)G30	MKT2-1000(E)G30	MKT2-1200(E)G30	MKT2-1400(E)G30

3-Row Duct									
12Pa ESP	MKT3-200(E)G12	MKT3-300(E)G12	MKT3-400(E)G12	MKT3-500(E)G12	MKT3-600(E)G12	MKT3-800(E)G12	MKT3-1000(E)G12	MKT3-1200(E)G12	MKT3-1400(E)G12
30Pa ESP	MKT3-200(E)G30	MKT3-300(E)G30	MKT3-400(E)G30	MKT3-500(E)G30	MKT3-600(E)G30	MKT3-800(E)G30	MKT3-1000(E)G30	MKT3-1200(E)G30	MKT3-1400(E)G30
50Pa ESP	50Pa can be customized								

4-Row Duct									
12Pa ESP	12Pa can be customized								
30Pa ESP	MKT4-200(E)G30	MKT4-300(E)G30	MKT4-400(E)G30	MKT4-500(E)G30	MKT4-600(E)G30	MKT4-800(E)G30	MKT4-1000(E)G30	MKT4-1200(E)G30	MKT4-1400(E)G30
50Pa ESP	50Pa can be customized								

4-Pipe Duct									
12Pa ESP	MKT3-200FG12	MKT3-300FG12	MKT3-400FG12	MKT3-500FG12	MKT3-600FG12	MKT3-800FG12	MKT3-1000FG12	MKT3-1200FG12	MKT3-1400FG12
30Pa ESP	MKT3-200FG30	MKT3-300FG30	MKT3-400FG30	MKT3-500FG30	MKT3-600FG30	MKT3-800FG30	MKT3-1000FG30	MKT3-1200FG30	MKT3-1400FG30
50Pa ESP	50Pa can be customized								

2-Row Duct

Model MKT2-				200G12 200G30 200EG30	300G12 300G30 300EG30	400G12 400G30 400EG30	500G12 500G30 500EG30	600G12 600G30 600EG30
Air flow		H/M/L	m^3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
		H/M/L	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
External Static pressure			Pa	G12 models: 12; G30 models: 30				
Cooling	Capacity	H/M/L	kW	2/1.74/1.52	2.7/2.31/2.03	3.6/3.11/2.66	4.4/3.74/3.25	5.5/4.58/4.09
	Water flow rate	H	l/h	344	464	619	757	946
	Water pressure drop	H	kPa	5	11	19	22	14
Heating	Capacity	H/M/L	kW	3.2/2.75/2.37	4.3/3.74/3.23	5.4/4.64/4.05	6.8/5.78/5.07	8.1/6.77/5.92
	Water pressure drop	H	kPa	4.2	9.5	15.5	18.3	11.8
Power supply			V/ph/Hz	220-240/1/50				
Power input	12Pa	H	W	31	50	60	80	97
	30Pa	H	W	45	60	67	89	110
Electric heater capacity		E	W	550	650	1100	1100	1600
Sound pressure level	12Pa	H/M/L	dB(A)	36/34/29	38/33/29	38/35/31	39/36/32	40/36/33
	30Pa	H/M/L	dB(A)	41/37/31	41/37/32	42/39/33	45/41/34	46/41/35
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			1	2	2	2	2
Coil	Row			2				
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550
	Net weight	*/E	kg	13.9/15.4	16.5/18	19.2/20.7	19.2/20.7	22/24
	Gross weight	*/E	kg	16.2/17.7	19/20.5	21.6/23.1	21.6/23.1	25/27
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4				
	Drain pipe		mm	ODΦ24				

Model MKT2-				800G12 800G30 800EG30	1000G12 1000G30 1000EG30	1200G12 1200G30 1200EG30	1400G12 1400G30 1400EG30
Air flow		H/M/L	m^3/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
		H/M/L	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
External Static pressure			Pa	G12 models: 12; G30 models: 30			
Cooling	Capacity	H/M/L	kW	7.5/6.33/5.68	8.9/7.61/6.41	10.8/9.13/7.93	12.3/10.46/9.27
	Water flow rate	H	l/h	1290	1531	1858	2116
	Water pressure drop	H	kPa	14	22	39	46
Heating	Capacity	H/M/L	kW	11/9.48/8.25	13.5/11.72/10.03	16.5/14.05/12.24	19.5/16.85/14.63
	Water pressure drop	H	kPa	12.5	19	32.6	40.1
Power supply			V/ph/Hz	220-240/1/50			
Power input	12Pa	H	W	140	172	205	216
	30Pa	H	W	130	171	212	249
Electric heater capacity		E	W	2200	2200	3200	3200
Sound pressure level	12Pa	H/M/L	dB(A)	42/37/33	44/39/34	46/40/35	48/42/37
	30Pa	H/M/L	dB(A)	46/41/36	47/43/37	48/44/38	49/44/39
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			2	2	2	2
Fan	Type			Centrifugal,forward-curved Blades			
	Quantity			4	4	4	4
Coil	Row			2			
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1461×241×522	1566×241×522	1856×241×522	2022×241×522
	Packing	W×H×D	mm	1510×260×550	1615×260×550	1905×260×550	2070×260×550
	Net weight	*/E	kg	30.9/33.4	33.4/36.4	38.5/42	42.1/46.1
	Gross weight	*/E	kg	34.5/37	37/40	42/45.5	47.5/51.5
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	ODΦ24			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.
5. * for models without electric heater, E for models with electric heater.

3-Row Duct

Model MKT3-				200G12 200G30 200EG30	300G12 300G30 300EG30	400G12 400G30 400EG30	500G12 500G30 500EG30	600G12 600G30 600EG30
Air flow		H/M/L	m^3/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
		H/M/L	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
External Static pressure			Pa	G12 models: 12; G30 models: 30				
Cooling	Capacity	H/M/L	kW	2.2/1.9/1.68	3.1/2.7/2.3	4/3.4/2.95	4.6/3.96/3.45	5.8/4.88/4.45
	Water flow rate	H	l/h	378	533	688	791	998
	Water pressure drop	H	kPa	14	26	18	24	36
Heating	Capacity	H/M/L	kW	3.5/3.08/2.59	5.3/4.61/3.98	6.8/5.85/5.1	7.9/6.95/6	9.8/8.6/7.4
	Water pressure drop	H	kPa	10.5	21.8	16.9	22.3	31.6
Power supply			V/ph/Hz	220-240/1/50				
Power input	12Pa	H	W	33	53	66	87	100
	30Pa	H	W	49	64	75	93	114
Electric heater capacity		E	W	550	650	1100	1100	1600
Sound pressure level	12Pa	H/M/L	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32
	30Pa	H/M/L	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			1	2	2	2	2
Coil	Row			3				
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550
	Net weight	*/E	kg	14.6/16.1	17/18.5	20.2/21.7	20.2/21.7	23/25
	Gross weight	*/E	kg	16.9/18.4	19.5/21	22.6/24.1	22.6/24.1	26/28
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4				
	Drain pipe		mm	ODΦ24				

Model MKT3-				800G12 800G30 800EG30	1000G12 1000G30 1000EG30	1200G12 1200G30 1200EG30	1400G12 1400G30 1400EG30
Air flow		H/M/L	m^3/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
		H/M/L	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
External Static pressure			Pa	G12 models: 12; G30 models: 30			
Cooling	Capacity	H/M/L	kW	8.2/6.88/6.25	9/7.8/6.57	11/9.8/8.35	12.5/10.8/9.44
	Water flow rate	H	l/h	1410	1548	1892	2150
	Water pressure drop	H	kPa	39	32	39	45
Heating	Capacity	H/M/L	kW	13.6/11.97/10.2	16/14.24/12	20.1/18.27/15.43	21/18.7/15.75
	Water pressure drop	H	kPa	33.8	30.7	34.6	40.1
Power supply			V/ph/Hz	220-240/1/50			
Power input	12Pa	H	W	145	180	210	222
	30Pa	H	W	154	180	220	278
Electric heater capacity		E	W	2200	2200	3200	3200
Sound pressure level	12Pa	H/M/L	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38
	30Pa	H/M/L	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			2	2	2	2
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			4	4	4	4
Coil	Row			3			
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1461×241×522	1566×241×522	1856×241×522	2022×241×522
	Packing	W×H×D	mm	1510×260×550	1615×260×550	1905×260×550	2070×260×550
	Net weight	*/E	kg	31.9/34.4	34.4/37.4	39.5/43	43.1/47.1
	Gross weight	*/E	kg	35.5/38	38.1/41.1	43/46.5	48.4/52.4
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	ODΦ24			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.
5. * for models without electric heater, E for models with electric heater.

4-Row Duct

Model MKT4-				200G30	300G30	400G30	500G30	600G30	800G30	1000G30
Air flow		H/M/L	m³/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510	1360/1020/680	1700/1275/850
		H/M/L	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300	800/600/400	1000/750/500
External Static pressure			Pa	30	30	30	30	30	30	30
Cooling	Capacity	H/M/L	kW	2.5/2.16/1.87	3.3/2.85/2.47	4.4/3.72/3.22	4.8/4.18/3.64	6.2/5.38/4.65	8.8/7.43/6.57	9.5/8.18/7.06
	Water flow rate	H	l/h	430	568	757	826	1066	1514	1634
	Water pressure drop		kPa	2.6	5	8.1	9.8	15.4	12.3	18
Heating	Capacity	H/M/L	kW	4.1/3.51/3.03	5.8/5.05/4.35	7.1/6.11/5.33	8.5/7.04/6.28	10.5/9.03/7.77	14.5/12.38/10.88	16.3/13.45/12.05
	Water pressure drop	H	kPa	2.2	4.2	6.9	8.1	12.7	10	15.4
Power supply			V/ph/Hz	220-240/1/50						
Power input		H	W	50	65	80	98	110	155	180
Sound pressure level		H/M/L	dB(A)	37/33/27	38/34/28	38/35/29	40/35/30	41/36/31	42/37/32	44/39/33
Fan motor	Type			Low noise 4-speed fan motor						
	Quantity			1	1	1	1	1	2	2
Fan	Type			Centrifugal, forward-curved Blades						
	Quantity			1	2	2	2	2	4	4
Coil	Row			4						
	Max. Working pressure		MPa	1.6						
	Diameter		mm	Φ9.52						
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522	1461×241×522	1566×241×522
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550	1510×260×550	1615×260×550
	Net weight		kg	15.3	17.5	20.7	20.7	23.5	32.9	35.4
	Gross weight		kg	17.6	20	23.1	23.1	26.5	36.5	39.1
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4						
	Drain pipe		mm	OD Φ24						

Model MKT4-				1200G30	1400G30	1500	1500G50	2000	2000G50
Air flow		H/M/L	m³/h	2040/1530/1020	2380/1785/1190	2550/2100/1300	2550/2100/1300	3400/2550/1700	3400/2550/1700
		H/M/L	CFM	1200/900/600	1400/1050/700	1500/1240/760	1500/1240/760	2000/1500/1000	2000/1500/1000
External Static pressure			Pa	30	30	30	50	30	50
Cooling	Capacity	H/M/L	kW	11.8/9.82/8.74	13/11.23/9.83	13.5/11.5/10.1	13.5/11.5/10.1	18/15.3/13.5	18/15.3/13.5
	Water flow rate	H	l/h	2030	2236	2322	2322	3096	3096
	Water pressure drop	H	kPa	21.2	24.7	11.5	11.5	26.2	26.2
Heating	Capacity	H/M/L	kW	16.5/14.05/12.23	17/14.31/12.69	17.5/14.9/13.2	17.5/14.9/13.2	23.4/19.8/17.5	23.4/19.8/17.5
	Water pressure drop	H	kPa	17.6	20.8	10	10	24.3	24.3
Power supply			V/ph/Hz	220-240/1/50					
Power input		H	W	220	275	236	474	360	665
Sound pressure level		H/M/L	dB(A)	45/40/34	47/42/36	48/44/39	51/47/42	50/46/41	53/49/44
Fan motor	Type			Low noise 4-speed fan motor					
	Quantity			2	2	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades					
	Quantity			4	4	2	2	3	3
Coil	Row			4					
	Max. Working pressure		MPa	1.6					
	Diameter		mm	Φ9.52					
Body	Dimensions	W×H×D	mm	1856×241×522	2022×241×522	1369×342×612	1369×342×612	1500×342×612	1500×342×612
	Packing	W×H×D	mm	1905×260×550	2070×260×550	1421×381×619	1421×381×619	1552×381×619	1552×381×619
	Net weight		kg	40.5	44.1	46	46	57	53.7
	Gross weight		kg	44	49.4	49.8	50	61	58.6
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4					
	Drain pipe		mm	OD Φ24					

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.

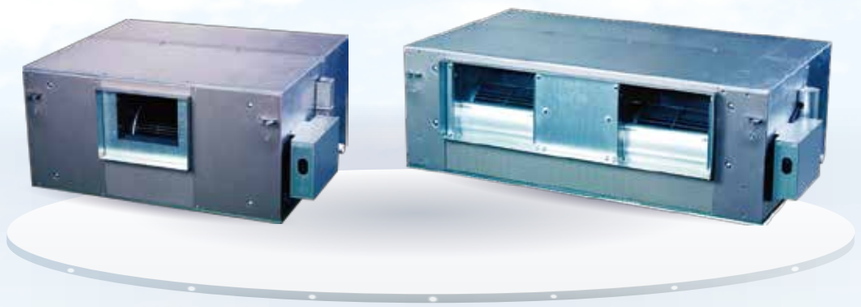
4-Pipe Duct

Model MKT3-				200FG12 200FG30	300FG12 300FG30	400FG12 400FG30	500FG12 500FG30	600FG12 600FG30
Air flow		H/M/L	m³/h	340/255/170	510/385/255	680/510/340	850/640/425	1020/765/510
		H/M/L	CFM	200/150/100	300/225/150	400/300/200	500/375/250	600/450/300
External Static pressure			Pa	G12 models: 12; G30 models: 30				
Cooling	Capacity	H/M/L	kW	2/1.76/1.52	2.7/2.35/2.13	3.6/3.15/2.76	4.3/3.74/3.32	5/4.32/3.84
	Water flow rate	H	l/h	344	464	619	740	860
	Water pressure drop	H	kPa	7.6	14.4	8.2	9.5	17.2
Heating	Capacity	H/M/L	kW	3/2.64/2.22	4/3.48/3	5.2/4.47/3.9	5.7/5.02/4.33	7.2/6.19/5.33
	Water flow rate	H	l/h	258	344	447	490	619
	Water pressure drop	H	kPa	6.8	12.5	23.5	24.0	40.7
Power supply			V/ph/Hz	220-240/1/50				
Power input	12Pa	H	W	33	53	66	87	100
	30Pa	H	W	49	64	75	96	114
Sound pressure level	12Pa	H/M/L	dB(A)	35/32/26	36/33/27	37/34/28	40/36/30	42/38/32
	30Pa	H/M/L	dB(A)	41/37/31	42/38/32	43/39/33	44/40/34	45/41/35
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			1	2	2	2	2
Coil	Row			3				
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550
	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
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4				
	Drain pipe		mm	OD Φ24				

Model MKT3-				800FG12 800FG30	1000FG12 1000FG30	1200FG12 1200FG30	1400FG12 1400FG30
Air flow		H/M/L	m³/h	1360/1020/680	1700/1275/850	2040/1530/1020	2380/1785/1190
		H/M/L	CFM	800/600/400	1000/750/500	1200/900/600	1400/1050/700
External Static pressure			Pa	G12 models: 12; G30 models: 30			
Cooling	Capacity	H/M/L	kW	6.8/5.78/5.11	7.8/6.74/5.88	10.2/8.89/7.85	11.5/9.9/8.86
	Water flow rate	H	l/h	1170	1342	1754	1978
	Water pressure drop	H	kPa	18.8	30.0	40.3	51.9
Heating	Capacity	H/M/L	kW	9.6/8.45/7.2	10.8/9.61/8.1	13.5/12.15/10.26	15.5/13.48/11.78
	Water flow rate	H	l/h	826	929	1161	1333
	Water pressure drop	H	kPa	20.7	34.7	28.6	55.2
Power supply			V/ph/Hz	220-240/1/50			
Power input	12Pa	H	W	145	180	210	222
	30Pa	H	W	154	193	230	278
Sound pressure level	12Pa	H/M/L	dB(A)	43/39/33	45/41/35	46/42/36	48/44/38
	30Pa	H/M/L	dB(A)	46/42/36	47/43/37	48/44/38	49/45/39
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			2	2	2	2
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			4	4	4	4
Coil	Row			3			
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1461 ×241 ×522	1566 ×241 ×522	1856 ×241 ×522	2022 ×241 ×522
	Packing	W×H×D	mm	1510 ×260 ×550	1615 ×260 ×550	1905 ×260 ×550	2070 ×260 ×550
	Net weight		kg	32.4	34.9	40	43.6
	Gross weight		kg	36	38.6	43.5	48.9
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	OD Φ24			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 70℃,entering/leaving temperature difference is 10℃, entering air temperature 20℃DB.
4. The noise is tested in the semi-anechoic test room.

High static pressure duct



Features

- 220--240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customized.
- High air volume, high static pressure, high capacity.
- High-pressure centrifugal fans.
- Easy to clean and change the air filter.
- Safe factory-installed electric heater is optional.
- Flexible control, remote controller and wired controller are optional.
- Standard extended drainage pan for protecting your ceiling better.
- Return air plenum and filter are standard.
- Four-speed motor with one reserved for more choice .
- Pipe connection from left or right can be selected (in factory).

Model MKT3H-				800G70 800EG70	1000G70 1000EG70	1200G70 1200EG70	1400G70 1400EG70
Air flow		H/M/L	m^3/h	1360/1220/1090	1700/1530/1380	2040/1880/1610	2380/2120/1860
		H/M/L	CFM	800/720/640	1000/900/810	1200/1105/950	1400/1250/1095
External Static pressure			Pa	70	70	70	70
Cooling	Capacity	H/M/L	kW	6.6/6.37/6.12	8.8/8.19/7.57	10/9.44/8.53	12/11.47/10.24
	Water flow rate	H	l/h	1135	1514	1720	2064
	Water pressure drop	H	kPa	8	24	24	36
Heating	Capacity	H/M/L	kW	9.7/8.54/7.18	13.2/11.48/9.9	15/12.9/11.25	17.9/15.75/13.6
	Water pressure drop	H	kPa	8.4	25	23.4	34.2
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	350	350	350	350
Electric heater capacity ('E)			W	5000	5000	5000	5000
Sound pressure level		H/M/L	dB(A)	49/42/35	50/43/36	51/44/37	52/45/38
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			1			
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			1	1	1	1
Coil	Row			2	3	3	4
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions (*/E)	W×H×D	mm	946×400×816 / 946×400×876			
	Packing (*/E)	W×H×D	mm	1015×480×857 / 1015×480×925			
	Net weight	*/E	kg	50/53	52/55	52/55	54/57
	Gross weight	*/E	kg	55/58	57/60	57/60	59/62
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4			
	Drain pipe		mm	ODΦ32			

Model MKT3H-				1600G100 1600EG100	1800G100 1800EG100	2200G100 2200EG100
Air flow		H/M/L	m^3/h	2720/2450/2170	3060/2750/2450	3740/3360/2990
		H/M/L	CFM	1600/1440/1280	1800/1620/1440	2200/1980/1760
External Static pressure			Pa	100	100	100
Cooling	Capacity	H/M/L	kW	14.1/13.03/11.87	15.8/14.6/13.46	19.9/18.58/17.24
	Water flow rate	H	l/h	2425	2718	3423
	Water pressure drop	H	kPa	52	90	130
Heating	Capacity	H/M/L	kW	21.2/18.23/15.69	23.8/20.94/17.85	30/26.7/22.5
	Water pressure drop	H	kPa	51	85	121
Power supply			V/ph/Hz	220-240/1/50		
Power input		H	W	550	800	950
Electric heater capacity ('E)			W	9500	9500	9500
Sound pressure level		H/M/L	dB(A)	54/47/40	60/53/46	61/54/47
Fan motor	Type			Low noise 4-speed fan motor		
	Quantity			1		
Fan	Type			Centrifugal, forward-curved Blades		
	Quantity			2	2	2
Coil	Row			3	3	3
	Max. Working pressure		MPa	1.6		
	Diameter		mm	Φ9.52		
Body	Dimensions (*/E)	W×H×D	mm	1290×400×809 / 1290×400×874		
	Packing (*/E)	W×H×D	mm	1368×460×877 / 1368×460×950		
	Net weight	*/E	kg	76/82		
	Gross weight	*/E	kg	83/89		
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4		
	Drain pipe		mm	ODΦ32		

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.
5. * for models without electric heater, E for models with electric heater.

District cooling FCU

Features

- 220-240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customized.
- Capacity range: 200CFM to 2000CFM.
- Space saving, only 242mm in height.
- Need less water, little power of water pumps, save power cost for the high temp difference.
- Standard extended drainage pan for protecting your ceiling better.
- Return air plenum and filter are standard.
- Left or right hand piping connections, field convertible.
- Four-Speed motor with one reserved for more choice.

Model MKQT3H-				200	300	400	500	600	800
Air flow		H/M/L	m^3/h	340/290/200	510/430/310	680/580/410	850/720/510	1020/870/610	1360/1160/820
		H/M/L	CFM	200/170/120	300/250/180	400/340/240	500/420/300	600/510/360	800/680/480
External Static pressure			Pa	30	30	30	30	30	30
Cooling	Capacity	H/M/L	kW	2/1.78/1.17	2.9/2.39/1.71	3.2/2.84/1.89	3.7/3.01/2.08	5.1/4.1/2.99	7.1/5.7/4.33
	Water flow rate	H	l/h	205	297	328	379	522	727
	Water pressure drop	H	kPa	3.9	5.6	6.2	7.2	9.9	13.8
Heating	Capacity	H/M/L	kW	3/2.64/2.22	4.35/3.78/3.26	4.8/4.13/3.6	5.55/4.88/4.22	7.65/6.58/5.66	10.65/9.37/7.99
	Water pressure drop	H	kPa	2	3.9	4.8	6	8.1	10.5
Power supply			V/ph/Hz	220-240/1/50					
Power input		H	W	45	62	72	92	112	145
Sound pressure level		H/M/L	dB(A)	36/33/27	38/32/28	40/34/30	42/36/31	44/39/32	45/41/32
Fan motor	Type			Low noise 4-speed fan motor					
	Quantity			1	1	1	1	1	2
Fan	Type			Centrifugal, forward-curved Blades					
	Quantity			1	2	2	2	2	4
Coil	Row			3					
	Max. Working pressure		MPa	1.6					
	Diameter		mm	Φ9.52					
Body	Dimensions	W×H×D	mm	741×241×522	841×241×522	941×241×522	941×241×522	1161×241×522	1461×241×522
	Packing	W×H×D	mm	790×260×550	890×260×550	990×260×550	990×260×550	1210×260×550	1510×260×550
	Net weight		kg	14.6	17	20.2	20.2	23	31.9
	Gross weight		kg	16.9	19.5	22.6	22.6	26	35.5
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4					
	Drain pipe		mm	ODΦ24					

Model MKQT3H-				1000	1200	1400*	1500*	2000*
Air flow		H/M/L	m^3/h	1700/1440/1020	2040/1730/1220	2380/1785/1190	2550/2100/1300	3400/2550/1700
		H/M/L	CFM	1000/850/600	1200/1020/720	1400/1050/700	1500/1240/760	2000/1500/1000
External Static pressure			Pa	30	30	30	30	30
Cooling	Capacity	H/M/L	kW	7.5/6.38/4.5	9.6/8.42/4.8	10.8/9.1/8.2	11.25/9.6/8.4	15/12.3/11.3
	Water flow rate	H	l/h	768	983	1106	1152	1536
	Water pressure drop	H	kPa	14.6	18.7	20.3	23.5	28.7
Heating	Capacity	H/M/L	kW	11.25/10.01/8.44	14.4/12.96/10.94	15/12.7/11.25	16.3/13.8/12.2	20.2/17.2/15.1
	Water pressure drop	H	kPa	12.4	16.2	18.6	21.1	26.5
Power supply			V/ph/Hz	220-240/1/50				
Power input		H	W	170	220	225	236	360
Sound pressure level		H/M/L	dB(A)	46/40/32	47/41/32	47/42/33	48/43/35	50/46/40
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			2	2	2	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			4	4	4	2	3
Coil	Row			3	3	3	4	3
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body	Dimensions	W×H×D	mm	1566×241×522	1856×241×522	2022×241×522	1369×342×612	1500×342×612
	Packing	W×H×D	mm	1615×260×550	1905×260×550	2070×260×550	1421×381×619	1552×381×619
	Net weight		kg	34.4	39.5	43.1	46	57
	Gross weight		kg	38.1	43	48.4	49.8	61
Pipe connection	Water inlet/outlet pipe		Inch	RC3/4				
	Drain pipe		mm	ODΦ24				

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. The data is the performance in relevant external static pressure.
3. Cooling conditions: entering water 7.2℃, temperature rise 8.4℃, entering air temperature 26.7℃DB/19.4℃WB.
   Heating conditions: entering water 60℃,entering air temperature 21.1℃DB/15.6℃WB, the same water flow as the cooling conditions.
4. The noise is tested in the semi-anechoic test room.
5. *MKQT3H-1400,MKQT3H-1500,MKQT3H-2000 units need to customize.

Wall-mounted

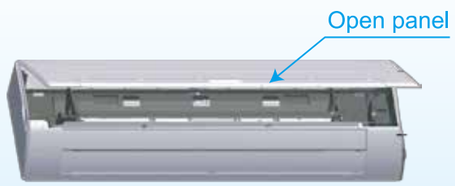
C type panel

S type panel

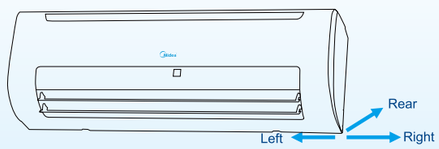
Features

- 220-240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customized.
- Alternative panel supplies more choice for customs.
- Cross flow fan creates quiet and comfortable environment.
- Wireless remote controller with LED display is standard, wired controller is optional.
- Multi-connection outlet pipe method: left\right\rear, satisfy the need of different rooms.
- Built-in the 3-way electromagnetic valve.
- Easy maintenance has been realized as the front panel can be removed for easy access.
- Four-speed motor with one reserved for more choice.

Easy maintenance



Multi-connection outlet pipe



C Type Panel Wall-mounted

Model MKG-				250	300	400	500	600
Air flow		H/M/L	m^3/h	425/360/320	510/430/380	680/580/510	850/720/640	1020/870/770
		H/M/L	CFM	250/210/190	300/250/220	400/340/300	500/420/380	600/510/450
Cooling	Capacity	H/M/L	kW	2.2/1.84/1.65	2.64/2.24/2.05	3.08/2.62/2.27	4.07/3.73/3.24	4.45/4.18/3.74
	Water flow rate	H	l/h	378	454	530	700	765
	Water pressure drop	H	kPa	12	18	22	26	29
Heating	Capacity	H/M/L	kW	3.02/2.6/2.23	3.69/3.25/2.77	4.34/3.86/3.25	5.69/5.12/4.32	6.3/5.67/4.73
	Water pressure drop	H	kPa	10	16.4	20.8	25.1	27.9
Power supply			V/ph/Hz	220-240/1/50				
Power input		H	W	28	40	44	50	60
Sound pressure level		H/M/L	dB(A)	30/24/20	35/29/24	37/31/26	39/33/28	40/34/29
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			1				
Fan	Type			Tangential fan				
	Quantity			1				
Coil	Row			2				
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ7				
Body	Dimensions	W×H×D	mm	915×210×290	915×210×290	915×210×290	1070×210×316	1070×210×316
	Packing	W×H×D	mm	1020×300×385	1020×300×385	1020×300×385	1180×300×410	1180×300×410
	Net weight		kg	12	12	12	15	15
	Gross weight		kg	16	16	16	19	19
Pipe connection	Water inlet/outlet pipe		Inch	G3/4				
	Drain pipe		mm	ODΦ20				

S Type Panel Wall-mounted

Model MKG-				250-B	300-B	400-B	500-B	600-B
Air flow		H/M/L	m^3/h	425/390/350	510/470/390	680/550/460	850/745/620	1020/915/780
		H/M/L	CFM	250/230/205	300/275/230	400/325/270	500/440/365	600/540/460
Cooling	Capacity	H/M/L	kW	2.63/2.41/2.16	2.97/2.47/2.12	3.28/2.83/2.41	4.25/3.85/3.32	5/4.47/3.97
	Water flow rate	H	l/h	452	511	564	731	860
	Water pressure drop	H	kPa	29.4	35.6	43.5	31.8	42.5
Heating	Capacity	H/M/L	kW	3.36/3.1/2.79	3.91/3.26/2.77	4.37/3.73/3.17	5.81/5.17/4.43	6.7/6/5.28
	Water pressure drop	H	kPa	27.3	32.9	40.8	30.2	39.7
Power supply			V/ph/Hz	220-240/1/50				
Power input		H	W	24	37	40	50	66
Sound pressure level		H/M/L	dB(A)	30/24/20	35/29/24	37/31/26	39/33/28	40/34/29
Fan motor	Type			Low noise 4-speed fan motor				
	Quantity			1				
Fan	Type			Tangential fan				
	Quantity			1				
Coil	Row			2				
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ7				
Body	Dimensions	W×H×D	mm	915×230×290	915×230×290	915×230×290	1072×230×315	1072×230×315
	Packing	W×H×D	mm	1020×315×390	1020×315×390	1020×315×390	1180×315×415	1180×315×415
	Net weight		kg	13	13	13.3	15.8	15.8
	Gross weight		kg	16.3	16.3	16.7	19.4	19.4
Pipe connection	Water inlet/outlet pipe		Inch	G3/4				
	Drain pipe		mm	ODΦ20				

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.

Floor-standing and Ceiling & Floor

MKF1(2)

MKF4(5)

MKH1(2)

MKF3/MKH3 (Concealed type)

Features

- 220-240V/1Ph/50Hz power supply is standard, 208-230V/1Ph/60Hz can be customize for floor-standing type.
- Flexible for installation, designed for horizontal/vertical, concealed/cabinet application.
- Ultra-thin body, streamlined appearance.
- Air return from the side or below for increased choice flexibility.
- 3-way electromagnetic valve can be built inside.
- Movable louver makes wide angle air flow.
- Pipe connection from left or right can be selected (in factory).

Alternative air return type

Movable louver

Floor-standing

Model MKF1(2,3)-				150	250	300	400	450
Air flow		H/M/L	m^3/h	255/215/190	425/360/320	510/430/380	680/580/510	765/650/570
		H/M/L	CFM	150/125/110	250/210/190	300/250/220	400/340/300	450/380/335
Cooling	Capacity	H/M/L	kW	1.15/0.93/0.89	1.87/1.74/1.59	2.53/2.25/1.88	3.27/2.84/2.54	3.97/3.58/3.15
	Water flow rate	H	l/h	198	322	435	562	683
	Water pressure drop	H	kPa	18.3	10.1	14.2	26.3	23.1
Heating	Capacity	H/M/L	kW	2.54/2.24/1.88	4.17/3.36/3.13	5.64/4.85/4.23	7.22/6.35/5.49	8.85/7.61/6.55
	Water pressure drop	H	kPa	16	8.8	13.7	24	22
Power supply			V/ph/Hz	220-240/1/50				
Power input		H	W	27	29	40	46	39
Sound pressure level	F1	H/M/L	dB(A)	32/29/26	35/32/30	37/34/32	39/36/34	41/38/36
	F2/F3	H/M/L	dB(A)	30/27/24	33/30/28	35/32/30	37/34/32	39/36/34
Fan motor	Type			Low noise 3-speed fan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			1	1	2	2	2
Coil	Row			3	3	2	2	3
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body MKF1(2)	Dimensions	W×H×D	mm	800×626×220	800×626×220	1000×626×220	1000×626×220	1200×626×220
	Packing	W×H×D	mm	889×722×312	889×722×312	1089×722×312	1089×722×312	1289×722×312
	Net weight	F1/F2	kg	22.8/22.5	22.6/24.5	23.4/29	26	32.5
	Gross weight	F1/F2	kg	26.8/26.5	27/29	28/33.4	31	38
Body MKF3	Dimensions	W×H×D	mm	550×545×212	550×545×212	750×545×212	750×545×212	950×545×212
	Packing	W×H×D	mm	639×639×305	639×639×305	839×639×305	839×639×305	1039×639×305
	Net/Gross weight	F3	kg	17/19	17/19	20/23.5	20/23.5	25/29
Pipe connection	Water inlet/outlet pipe		Inch	G3/4				
	Drain pipe		mm	ODΦ16				

Model MKF1(2,3)-				500	600	800	900
Air flow		H/M/L	m^3/h	850/720/640	1020/870/765	1360/1160/1020	1530/1300/1150
		H/M/L	CFM	500/420/375	600/510/450	800/680/600	900/760/675
Cooling	Capacity	H/M/L	kW	4.85/4.52/3.72	5.64/4.51/3.9	6.52/5.75/4.36	7.85/7.19/6.55
	Water flow rate	H	l/h	834	970	1121	1350
	Water pressure drop	H	kPa	20	11.4	21	24.3
Heating	Capacity	H/M/L	kW	10.28/9.05/7.71	12.24/10.89/9.18	15.35/13.82/11.67	18.2/16.38/13.65
	Water pressure drop	H	kPa	17.4	10	20.2	21.5
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	49	63	88	137
Sound pressure level	F1	H/M/L	dB(A)	43/40/38	44/41/39	46/43/40	48/45/42
	F2/F3	H/M/L	dB(A)	41/38/36	42/39/37	44/41/38	46/43/40
Fan motor	Type			Low noise 3-speed fan motor			
	Quantity			1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			2	3	3	3
Coil	Row			3	2	2	2
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body MKF1(2)	Dimensions	W×H×D	mm	1200×626×220	1500×626×220	1500×626×220	1500×626×220
	Packing	W×H×D	mm	1289×722×312	1589×722×312	1589×722×312	1589×722×312
	Net weight	F1/F2	kg	32.5/31.5	38/39	38/39	39
	Gross weight	F1/F2	kg	38/37	43.4/45	43.4/45	45
Body MKF3	Dimensions	W×H×D	mm	950×545×212	1250×545×212	1250×545×212	1250×545×212
	Packing	W×H×D	mm	1039×639×305	1339×639×305	1339×639×305	1339×639×305
	Net/Gross weight	F3	kg	25/29	32/36	32/36	32/36
Pipe connection	Water inlet/outlet pipe		Inch	G3/4			
	Drain pipe		mm	ODΦ16			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.

Floor-Standing

Model MKF4(5)-				150	250	300	400	450
Air flow		H/M/L	m^3/h	255/215/190	425/360/320	510/430/380	680/580/510	765/650/570
		H/M/L	CFM	150/125/110	250/210/190	300/250/220	400/340/300	450/380/335
Cooling	Capacity	H/M/L	kW	1.15/0.93/0.89	1.87/1.74/1.59	2.53/2.25/1.88	3.27/2.84/2.54	3.97/3.58/3.15
	Water flow rate	H	l/h	198	322	435	562	683
	Water pressure drop	H	kPa	18.3	10.1	14.2	26.3	23.1
Heating	Capacity	H/M/L	kW	2.54/2.24/1.88	4.17/3.36/3.13	5.64/4.85/4.23	7.22/6.35/5.49	8.85/7.61/6.55
	Water pressure drop	H	kPa	16	8.8	13.7	24	22
Power supply			V/ph/Hz	220-240/1/50				
Power input		H	W	27	29	40	46	39
Sound pressure level	F4	H/M/L	dB(A)	32/29/26	35/32/30	37/34/32	39/36/34	41/38/36
	F5	H/M/L	dB(A)	30/27/24	33/30/28	35/32/30	37/34/32	39/36/34
Fan motor	Type			Low noise 3-speed fan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades				
	Quantity			1	1	2	2	2
Coil	Row			3	3	2	2	3
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body	Dimensions	W×H×D	mm	800×592×225	800×592×225	1000×592×225	1000×592×225	1200×592×225
	Packing	W×H×D	mm	889×683×312	889×683×312	1089×683×312	1089×683×312	1289×683×312
	Net weight	F4/F5	kg	22.5	22.5	26	26	32.5
	Gross weight	F4/F5	kg	26.5	26.5	31	31	38
Pipe connection	Water inlet/outlet pipe		Inch	G3/4				
	Drain pipe		mm	ODΦ16				

Model MKF4(5)-				500	600	800	900
Air flow		H/M/L	m^3/h	850/720/640	1020/870/765	1360/1160/1020	1530/1300/1150
		H/M/L	CFM	500/420/375	600/510/450	800/680/600	900/760/675
Cooling	Capacity	H/M/L	kW	4.85/4.52/3.72	5.64/4.51/3.9	6.52/5.75/4.36	7.85/7.19/6.55
	Water flow rate	H	l/h	834	970	1121	1350
	Water pressure drop	H	kPa	20	11.4	21	24.3
Heating	Capacity	H/M/L	kW	10.28/9.05/7.71	12.24/10.89/9.18	15.35/13.82/11.67	18.2/16.38/13.65
	Water pressure drop	H	kPa	17.4	10	20.2	21.5
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	49	63	88	137
Sound pressure level	F4	H/M/L	dB(A)	43/40/38	44/41/39	46/43/40	48/45/42
	F5	H/M/L	dB(A)	41/38/36	42/39/37	44/41/38	46/43/40
Fan motor	Type			Low noise 3-speed fan motor			
	Quantity			1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			2	3	3	3
Coil	Row			3	2	2	2
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body	Dimensions	W×H×D	mm	1200×592×225	1500×592×225	1500×592×225	1500×592×225
	Packing	W×H×D	mm	1289×683×312	1589×683×312	1589×683×312	1589×683×312
	Net weight	F4/F5	kg	32.5/35	39/36.6	39	39
	Gross weight	F4/F5	kg	38/40	45/42.6	45	45
Pipe connection	Water inlet/outlet pipe		Inch	G3/4			
	Drain pipe		mm	ODΦ16			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.

Ceiling & Floor

Model MKH1(2,3)-				150	250	300	400	450
Air flow		H/M/L	m^3/h	255/215/190	425/360/320	510/430/380	680/580/510	765/650/570
		H/M/L	CFM	150/125/110	250/210/190	300/250/220	400/340/300	450/380/335
Cooling	Capacity	H/M/L	kW	1.15/0.93/0.89	1.87/1.74/1.59	2.53/2.25/1.88	3.27/2.84/2.54	3.97/3.58/3.15
	Water flow rate	H	l/h	198	322	435	562	683
	Water pressure drop	H	kPa	18.3	10.1	14.2	26.3	23.1
Heating	Capacity	H/M/L	kW	1.52/1.22/1.14	2.53/2.28/2.1	3.49/2.97/2.44	4.58/3.89/3.44	5.64/4.79/4.23
	Water pressure drop	H	kPa	16	8.8	13.7	24	22
Power supply			V/ph/Hz	220-240/1/50				
Power input		H	W	27	45	44	46	40
Sound pressure level	H1	H/M/L	dB(A)	32/29/26	35/32/30	37/34/32	39/36/34	41/38/36
	H2/H3	H/M/L	dB(A)	30/27/24	33/30/28	35/32/30	37/34/32	39/36/34
Fan motor	Type			Low noise4-speedfan motor				
	Quantity			1	1	1	1	1
Fan	Type			Centrifugal,forward-curved Blades				
	Quantity			1	1	2	2	2
Coil	Row			3	3	2	2	3
	Max. Working pressure		MPa	1.6				
	Diameter		mm	Φ9.52				
Body MKH1(2)	Dimensions	W×H×D	mm	800×626×220	800×626×220	1000×626×220	1000×626×220	1200×626×220
	Packing	W×H×D	mm	889×722×312	889×722×312	1089×722×312	1089×722×312	1289×722×312
	Net/Gross weight		kg	22.5/26.5	22.5/26.5	26/31	26/31	32.5/38
Body MKH3	Dimensions	W×H×D	mm	550×545×212	550×545×212	750×545×212	750×545×212	950×545×212
	Packing	W×H×D	mm	795×640×305	795×640×305	995×640×305	995×640×305	1195×640×305
	Net/Gross weight		kg	17/19	17/19	21.5/23	20/23	25/29
Pipe connection	Water inlet/outlet pipe		Inch	G3/4				
	Drain pipe		mm	ODΦ16				

Model MKH1(2,3)-				500	600	800	900
Air flow		H/M/L	m^3/h	850/720/640	1020/870/765	1360/1160/1020	1530/1300/1150
		H/M/L	CFM	500/420/375	600/510/450	800/680/600	900/760/675
Cooling	Capacity	H/M/L	kW	4.85/4.52/3.72	5.64/4.51/3.9	6.52/5.75/4.36	7.85/7.19/6.55
	Water flow rate	H	l/h	834	970	1121	1350
	Water pressure drop	H	kPa	20	11.4	21	24.3
Heating	Capacity	H/M/L	kW	6.98/6.28/5.23	8.23/6.58/5.59	9.58/8.14/6.32	11.69/10.52/9.35
	Water pressure drop	H	kPa	17.4	10	20.2	21.5
Power supply			V/ph/Hz	220-240/1/50			
Power input		H	W	49	77	118	137
Sound pressure level	H1	H/M/L	dB(A)	43/40/38	44/41/39	46/43/40	48/45/42
	H2/H3	H/M/L	dB(A)	41/38/36	42/39/37	44/41/38	46/43/40
Fan motor	Type			Low noise 4-speed fan motor			
	Quantity			1	1	1	1
Fan	Type			Centrifugal, forward-curved Blades			
	Quantity			2	3	3	3
Coil	Row			3	2	2	2
	Max. Working pressure		MPa	1.6			
	Diameter		mm	Φ9.52			
Body MKH1(2)	Dimensions	W×H×D	mm	1200×626×220	1500×626×220	1500×626×220	1500×626×220
	Packing	W×H×D	mm	1289×722×312	1589×722×312	1589×722×312	1589×722×312
	Net/Gross weight		kg	32.5/38	39/45	39/45	39/45
Body MKH3	Dimensions	W×H×D	mm	950×545×212	1250×545×212	1250×545×212	1250×545×212
	Packing	W×H×D	mm	1195×640×305	1495×640×305	1495×640×305	1495×640×305
	Net/Gross weight		kg	25/29	32/36	32/36	32/36
Pipe connection	Water inlet/outlet pipe		Inch	G3/4			
	Drain pipe		mm	ODΦ16			

Note:
1. H: high fan speed; M: medium fan speed; L: low fan speed.
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.
   Heating conditions: entering water 50℃, entering air temperature 20℃DB, the same water flow as the cooling conditions.
3. The noise is tested in the semi-anechoic test room.

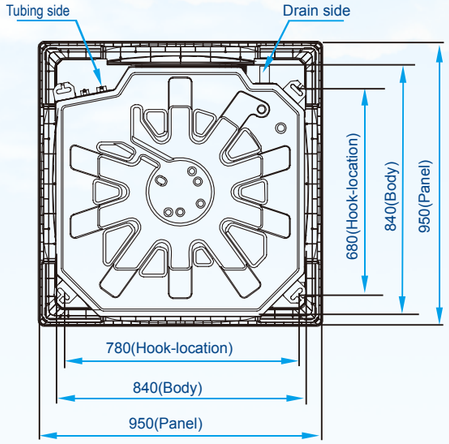
Dimensions→

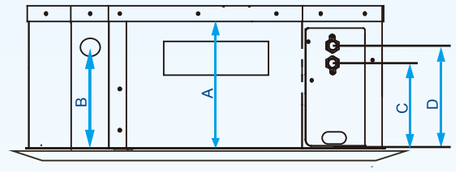
Dimensions

4-way cassette

2-pipe 4-way cassette

Dimensions (unit:mm)

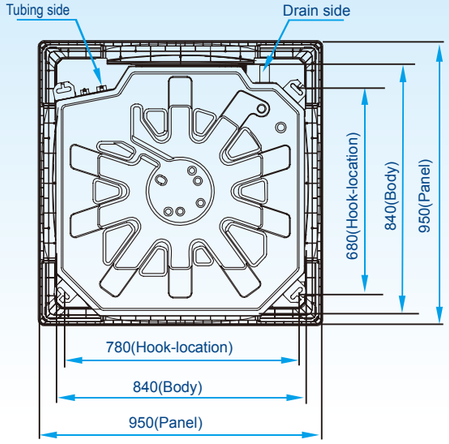


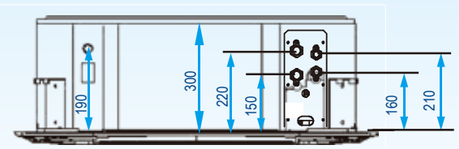


Model \ Size	A	B	C	D
MKA-600R(A) MKA-750R(A)	230	170	135	185
MKA-950R(A) MKA-1200R(A) MAK-1500R(A)	300	190	145	195

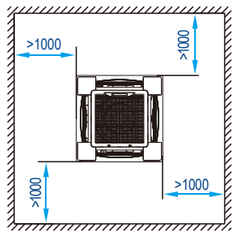
4-Pipe 4-way cassette

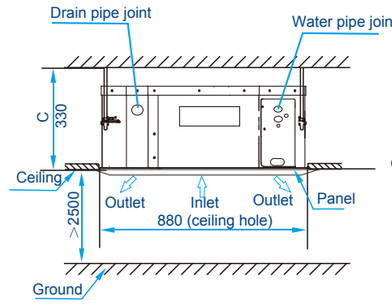
Dimensions (unit:mm)



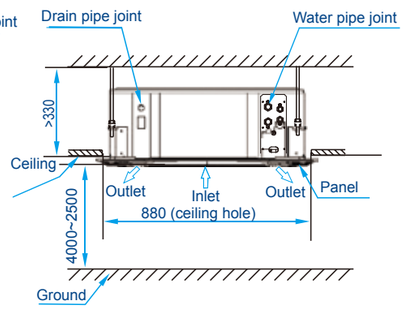


Service Spaces (unit:mm)





2-pipe 4-way cassette

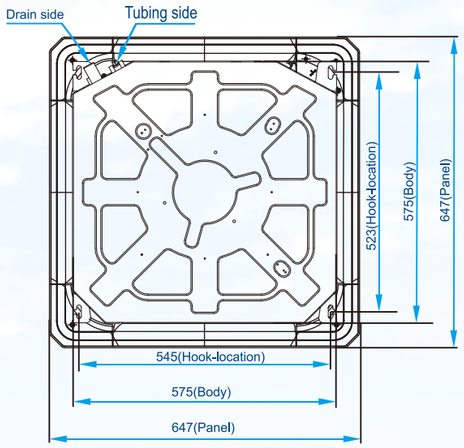


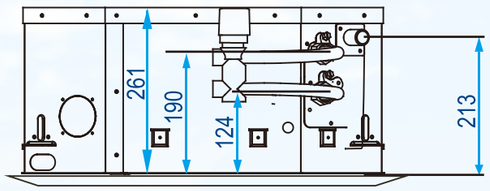
4-pipe 4-way cassette

Compact 4-way cassette

2-pipe compact 4-way cassette

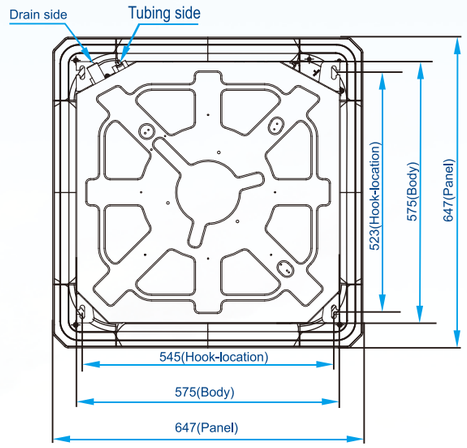
Dimensions (unit:mm)

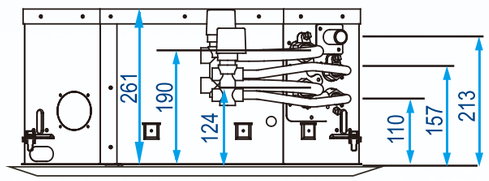




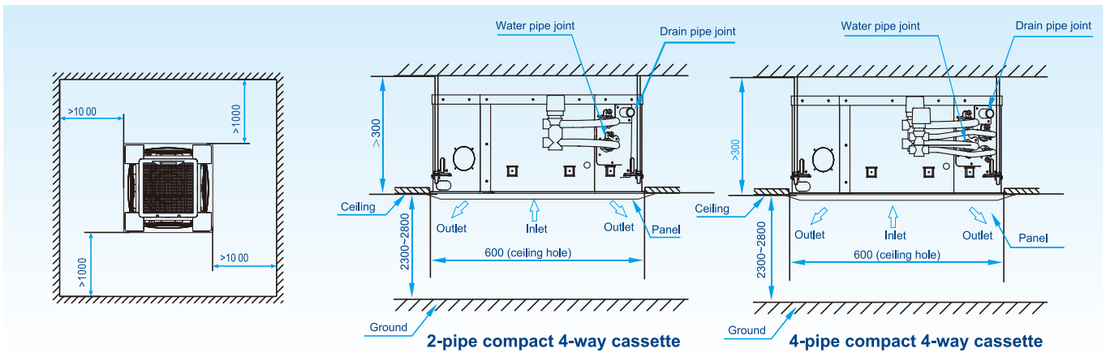
4-pipe compact 4-way cassette

Dimensions (unit:mm)

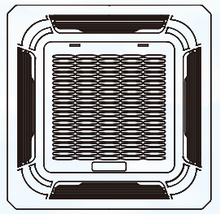




Service Spaces (unit:mm)



Height of the front panel

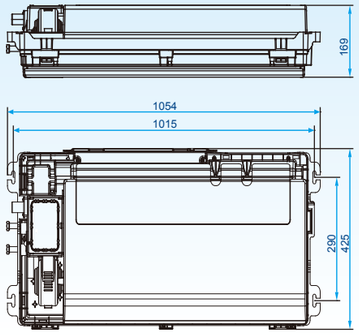


Type	H (mm)
4-way cassette	45
Compact 4-way cassette	50

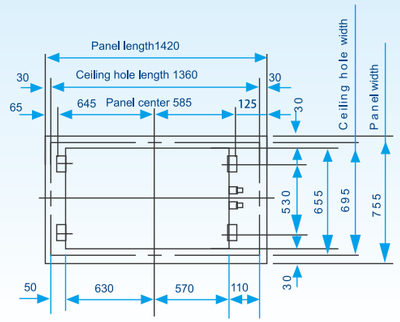
1-way cassette

Dimensions (unit: mm)

MKC-300R(A)-B MKC-400R(A)-B

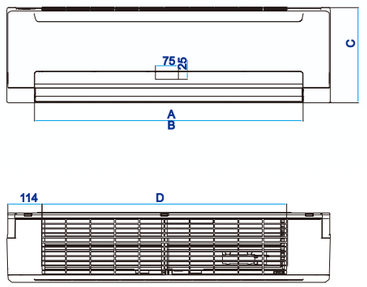


MKC-600HRN4



MKG(S panel)

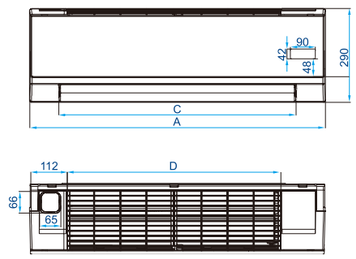
Dimensions (unit: mm)



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

MKG(C panel)

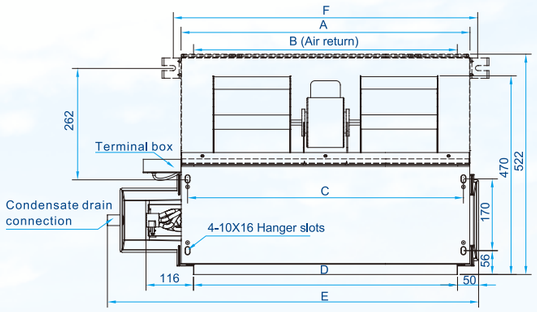
Dimensions (unit: mm)

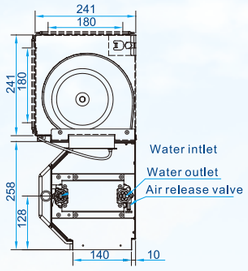


Size \ Model	MKG-250 MKG-300 MKG-400	MKG-500 MKG-600
A	915	1070
B	290	315
C	725	885
D	670	815

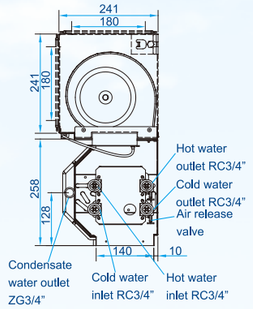
Duct(low external static pressure)

Dimensions (unit: mm)





2-pipe duct



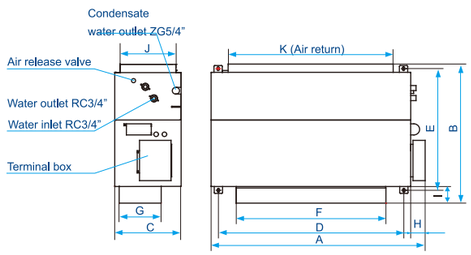
4-pipe duct

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

Note:
The above figure is only an instance, which would be different from the one that you purchase.
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.

Duct(high external static pressure)

Dimensions (unit: mm)

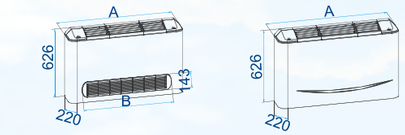


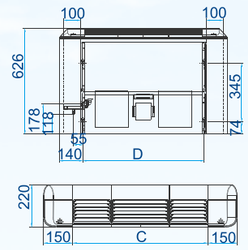
Model / Size	MKT3H-800G70 MKT3H-1000G70 MKT3H-1200G70 MKT3H-1400G70	MKT3H-800EG70 MKT3H-1000EG70 MKT3H-1200EG70 MKT3H-1400EG70	MKT3H-1600G70 MKT3H-1800G70 MKT3H-2200G70	MKT3H-1600EG70 MKT3H-1800EG70 MKT3H-2200EG70
A	946	946	1290	1290
B	816	876	809	874
C	400	400	400	400
D	778	778	1118	1118
E	767	767	765	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

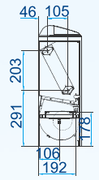
Floor-standing,Ceiling & Floor FCU

Dimensions (unit: mm)

MKF1(2), MKH1(2) type

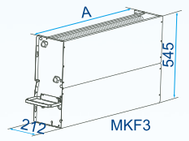


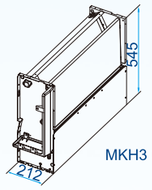


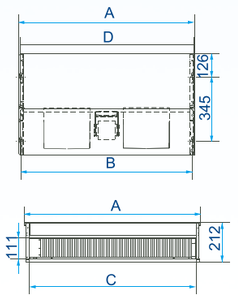


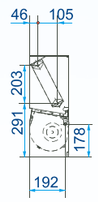
Model / Size	MKF1- 150(250) MKF2-150(250)	MKF1-300 (400) MKF2-300(400)	MKF1-400 (500) MKF2-450(500)	MKF1-600 (800,900) MKF2-600(800,900)
A (mm)	800	1000	1200	1500
B (mm)	584	784	984	1284
C (mm)	500	700	900	1200
D (mm)	526	726	926	1226

MKF3 MKH3 type



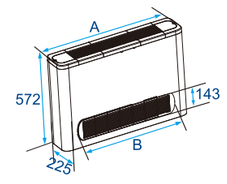


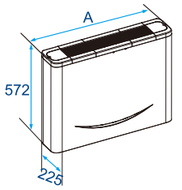


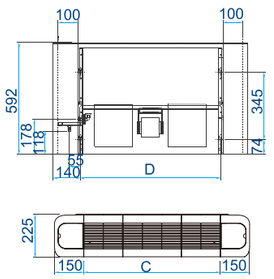


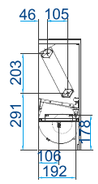
Model / Size	MKF3-150(250)	MKF3-30 0(400)	MKF3-4 50(500)	MKF3-60 0(800,900)
A (mm)	550	750	950	1250
B (mm)	526	726	926	1226
C (mm)	500	700	900	1200
D (mm)	532	732	932	1232

MKF4, MKF5 TYPE

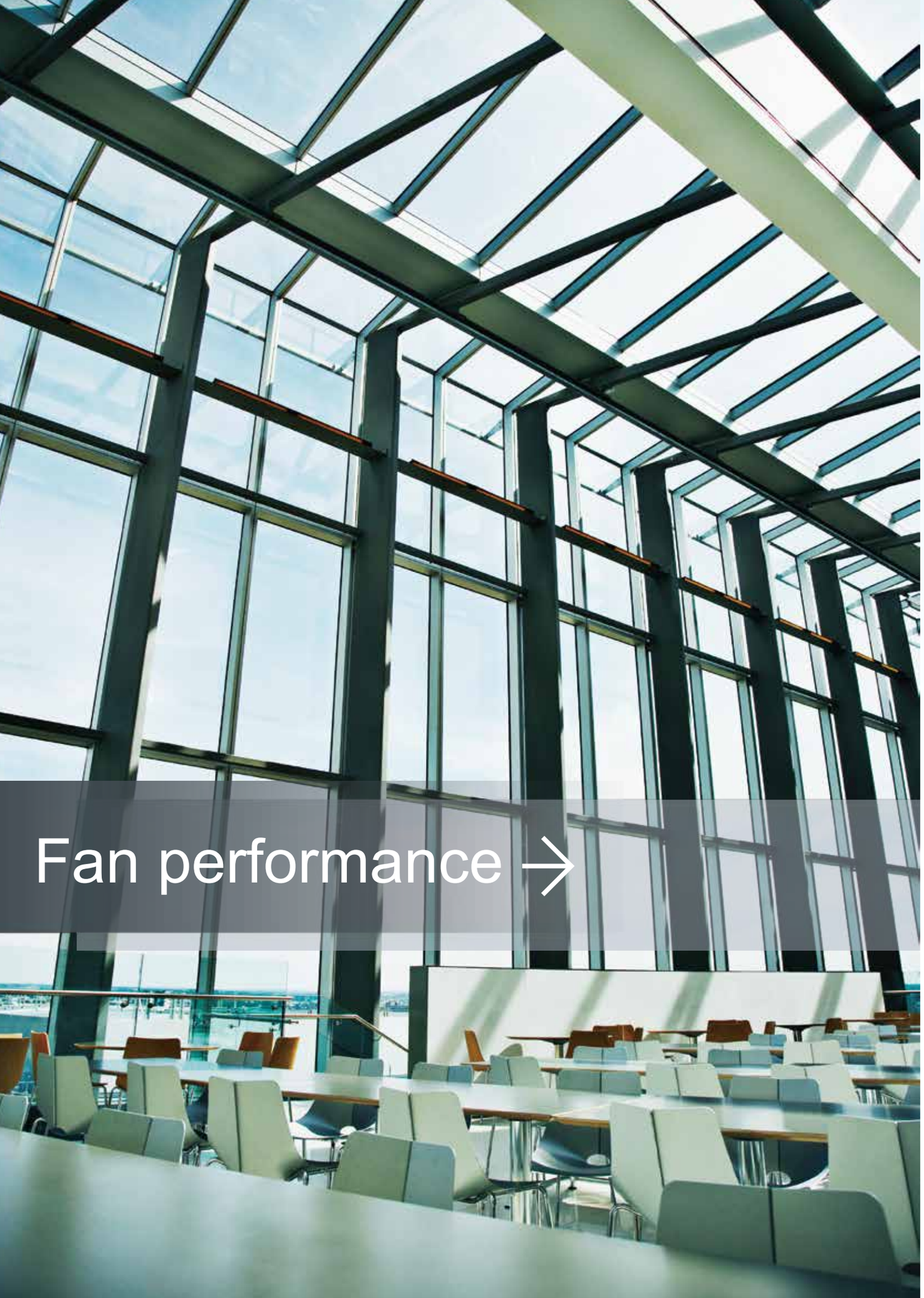








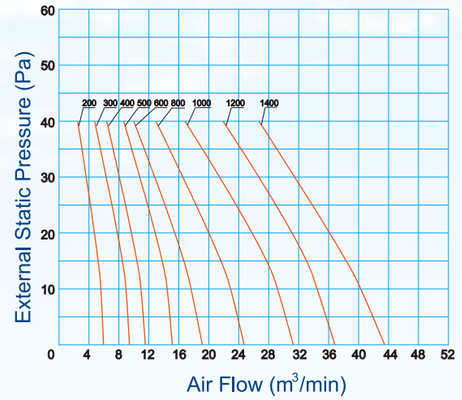
Model / Size	MKF4- 150(250) MKF5-150(250)	MKF4-300 (400) MKF5-300(400)	MKF4-4 50(500) MKF5-450(500)	MKF4-600 (800,900) MKF5-600(800,900)
A (mm)	800	1000	1200	1500
B (mm)	584	784	984	1284
C (mm)	500	700	900	1200
D (mm)	526	726	926	1226



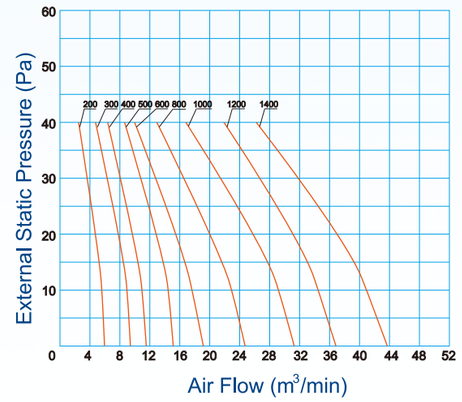
Fan performance

12Pa

MKT2-200~1400G12

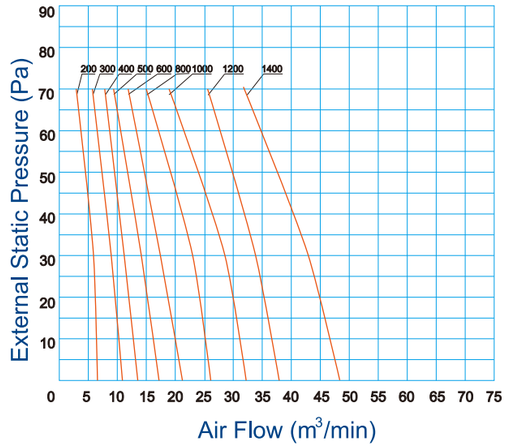


MKT3-200~1400G12



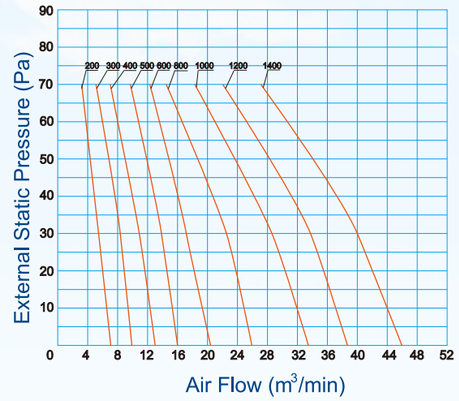
30Pa

MKT4-200~1400G30

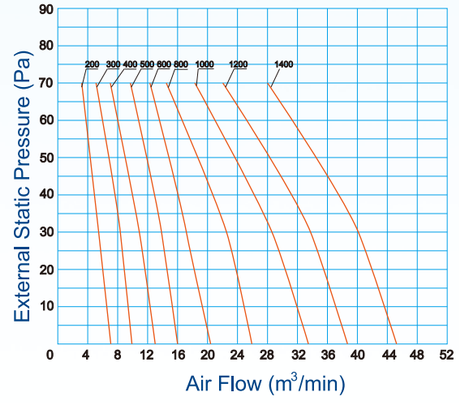


30Pa

MKT2-200~1400G30

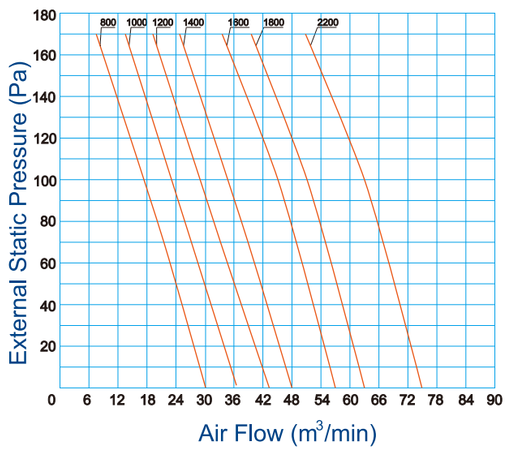


MKT3-200~1400G30



70/100 Pa

MKT3H-800~1400G70
MKT3H-1600~2200G100



Controllers

For cassette and wall-mounted type FCU

Standard wireless remote controllers for cassette and wall-mounted

R05/BGE R51/E

Specification

- Working Rated Voltage: DC3V.
- Min vlotage for sending signal of CPU: DC2.4V.
- Working Environment:Temperature: -5~60°C.
- Effective receiving distance: 8~11m.
- Temperature Controlling Range: 17~30°C.
- Temperature Controlling Precision: ±1°C.

Function

- Applied Equipment: R05/BGE: cassette(standard), R51/E: wall-mounted(standard).
- LCD display screen.
- Mode setting: auto/cool/heat/dry/fan.
- Fan speed selection: auto/high/medium/low.
- Time setting/temp. setting/ swing setting.

Optional wired controller for cassette and wall-mounted

KJR-10B/DP(T)-E
KJR-12B(DP)

Specification

- Working Voltage: DC5V.
- Working Environment:
  Temperature: -15~43°C
  Relative Humidity: 40%~90%.
- Temperature Controlling Range: 17~30°C.
- Temperature Controlling Precision: ±1°C.

Function

- Applied Equipment: cassette and wall-mounted(optional).
- Big LCD display screen.
- Mode setting: auto/cool/heat/dry/fan.
- Fan speed selection: auto/high/medium/low.
- Economic operation mode/time setting/temp. setting.
- ON/OFF mode setting.

Optional central controller for cassette and wall-mounted

CCM03

CCM30

Specification

- Working Voltage: AC220±10%, 50/60Hz.
- Working Environment:
  Temperature: -15~43°C
  Relative Humidity: 40%~90%.
- Temperature Controlling Range: 17~30°C.
- Temperature Controlling Precision: ±1°C.

Function

- Applied Equipment: cassette and wall-mounted(optional).
- Centralized control:
  the max. quality of indoor units is up to 64 by one CCM03/CCM30.
- Big LCD display screen.
- Mode setting: cool/heat/ fan.
- CCM30 is a centralized controller with touch-style keys.
- CCM30 has air filter cleaning reminding function.
- Fan speed selection: auto/high/medium/low.
- Time setting/temp. setting/ swing setting.
  Note:the CCM03/CCM30. should work with NIM01

For floor-standing and ceiling & floor type FCU

Optional wired controller for floor-standing and ceiling & floor

KJR-15B/E(P)

Specification

- Working Voltage: AC220V~230V, 50/60Hz
- Working Environment:
  Temperature: -15~43°C
  Relative Humidity: 40%~90%.
- Temperature Controlling Range:17~30°C /62~86°F.
- Temperature Controlling Precision: ±1°C.

Function

- Applied Equipment:
  floor standing and ceiling & floor standing (optional).
- LCD display screen.
- Mode setting: cool/heat/fan.
- Fan speed selection: high/medium/low.
- Temperature display in °F or °C.
- ON/OFF mode setting.

For Duct type FCU

Optional wired controller for duct units without EAH

KJR-18B

Specification

- Working Voltage: AC220V±10%, 50/60Hz.
- Working Environment:
  Temperature: 0~45°C
  Relative Humidity: 5%~90%.
- Temperature Controlling Range:10~30°C.
- Temperature Controlling Precision: ±1°C.
- External Dimension: 85×130×43mm (W×H×D).
- Installation hole pitch: 60mm (standard).

Function

- Applied Equipment: duct units without EAH(optional).
- Mode setting: cool/heat/off.
- Fan speed selection: high/medium/low.
- Temperature setting.

★Fan speed selection:high/medium/low/Automatic.
★Timer for on/off of units.
★Clock display.

KJRP-86A1-E

★Working Environment:
Temperature:5~45 C
Relative Humidity: ＜92%.
★External Dimension:85×85×15mm(W×H×D).
★Installation method:86 box installationtion(standard).

Note: The item with"★"are available for KJRP-86A1-E.

Model	Applied Equipment	Function
KJB-18B-A	2-pipe duct	when T1=Ts: fan is off, valve is on
KJB-18B-B	2-pipe duct	when T1=Ts: fan is off, valve is off
KJB-18B-C	2-pipe duct	when T1=Ts: fan is on, valve is off
KJB-18B-D	4-pipe duct	when T1=Ts: fan is on, valve is off
KJRP-86A1-E	2-pipe duct	when T1=Ts: fan is off, valve is off

Note: T1-Room temperature; Ts-Setting temperature.

Optional wired controller for duct units with EAH

KJR-21B/D

Specification

- Working Voltage: AC220V±10%, 50/60Hz.
- Power Consumption: <2W.
- Current Load: <2A.
- Temperature Controlling Range: 5~35°C.
- Temperature Controlling Precision: ±1°C.
- External Dimension: 86×86×13mm (W×H×D).
- Installation hole pitch: 60mm (standard).

Function

- Applied Equipment: duct units with EAH(optional).
- Blue backlight.
- Clock display.
- Temp. setting.
- Mode setting: cool/heat/fan/electric heating on/off.
- Fan speed selection: auto/high/medium/low.
- Motorized valve control.
- Electric heating control.
- Remote control (optional).

Accessories

PC board control kit for FCU

Features

- Available for all the FCU which has no PCB.
- Installation flexible, it can be installed attaching on the unit, mounting on the wall or hanging under the ceiling.
- Maintenance convenient for its external installed.
- Three fan speeds adjustment: high/medium/low.
- Operating status can be displayed from lamp indicator.
- Network Interface Module standard, compatible with the CCM control and PC based software control.

Specifications

Model		FCUKZ-01	FCUKZ-02
Applicable appliance		2-pipe ducted FCU	4-pipe ducted FCU
Power supply		220-240V-1Ph-50/60Hz	
Operation range	Room temperature	17°C-30°C	
	Inlet water temperature	3°C-75°C	
Temperature controlling precision		±1°C	
Dimension (W×H×D)		310×76×290	
Packing Size (W×H×D)		384×174×359	
Selection for compatibility		Remote /Wired /Central /PC based network software control	

Valve kit

Specification

- Working Voltage: AC230±10%, 50/60Hz(24V can be customized).
- Power Consumption: 4W
- Nominal Pressure: 1.6MPa.
- Applied Medium: Cold or hot water, 50% glycol water liquor.
- Medium Temperature: 2~75°C(DDSTR-01), -20~70°C(DDSTF-04/05).
- Environment Temperature: -5~50°C(DDSTR-01), 0~50°C(DDSTF-04/05).

DDSTF-01

Model	DN(mm)	Inner Screw Thead	Applicable appliance
DDSTF-01	20	3/4”	2-pipe cassette/duct/floor-standing, 4-pipe duct
DDSTF-04	15	1/2”	4-pipe cassette (for hot water)
DDSTF-05	20	3/4”	2-pipe ceiling & floor, 4-pipe cassette (for cold water)

DDSTF-04
DDSTF-05

Application of Central Control Software & BMS Control

Optional wired controller

KJR-90A-E
- All basic function as the same as KJR-10B.
- Small size and Easy for installation.
- Exquisite appearance and LCD display function.
- Optional for all the indoor units.

KJR-90A1-E
- 1) Only can select ON/OFF, Temp, Swing, and Timer 2) Avoid mode conflict.
- Other functions are the same with KJR-90A-E.

KJR-10B
- Optional for all the indoor units.
- Mode selection: Auto, Cool, Dry, Heat, Fan only.
- Temp. setting range: 17 ℃ to 30 ℃
- Daily Timer setting.
- Fan speed control: H/M/L/Auto .
- Louver swing.

KJR-12B
- Same function with KJR-10B.
- Add the follow me function.

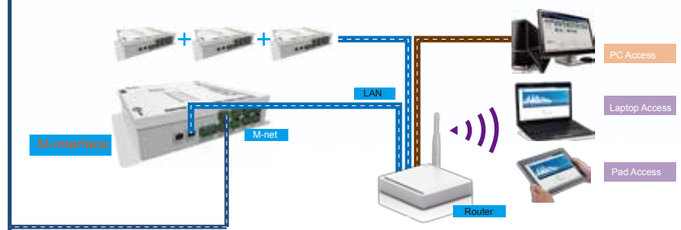
Optional central controller

KJR-90B/M-E
- New design indoor unit central controller, simple on/off function.
- Max. 16 indoor units can be controlled.
- Switch modes between cooling and heating .
- Overall/mono-control the indoor units.

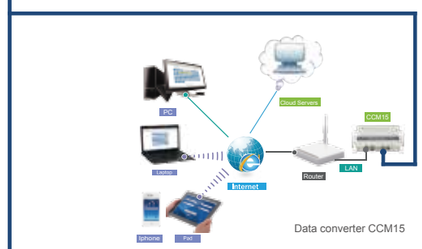
CCM03
- Indoor unit central controller.
- Max. 64 indoor units can be controlled.
- Automatically record all setting information when lose power.
- Clear & bright LCD display screen, background light, more parameters display.
- Emergency ON/OFF control with simple dry contact input

CCM30
- The new indoor unit central controller has a touch-style key.
- The big screen and LCD display can give you a more comfortable visual effect.
- All basic function as the same as CCM03.

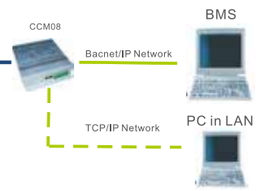
CCM09
- Indoor unit weekly timer central controller.
- 7 -days Weekly schedule setting (Maximum 128 weekly & daily schedules).
- Max. 64 indoor units group control or individual setting.
- Clear and bright screen with LCD backlight.
- Wireless remote control restriction.
- Sleep and Silent mode.
- Mode lock.
- Permanent schedule setting storage.



4th Generation Monitoring System



Data converter CCM15



4th Generation Monitoring System

- Consists of three parts: the IMM PC software and M - interface gateway.
- Up to maximum of 4 M-interfaces, 64 refrigerant systems, 1024 indoor units,and 256 outdoor units can be controlled
- by one PC.
- Web Access.
- No geographical restrictions for PC based IMM software.

Data Converter CCM15

- Can realize data conversion between TCP/IP protocol and 485 protocol.
- Can remotely control the A/C systems through computer, iPhone, iPad or other intelligent terminals.
- Providing the TCP / IP port for A/C system of Midea to achieve WEB/HTTP/TCP/IP access.
- User can monitor and query A/C equipment through LAN and WAN.

BACnet Gateway-CCM08

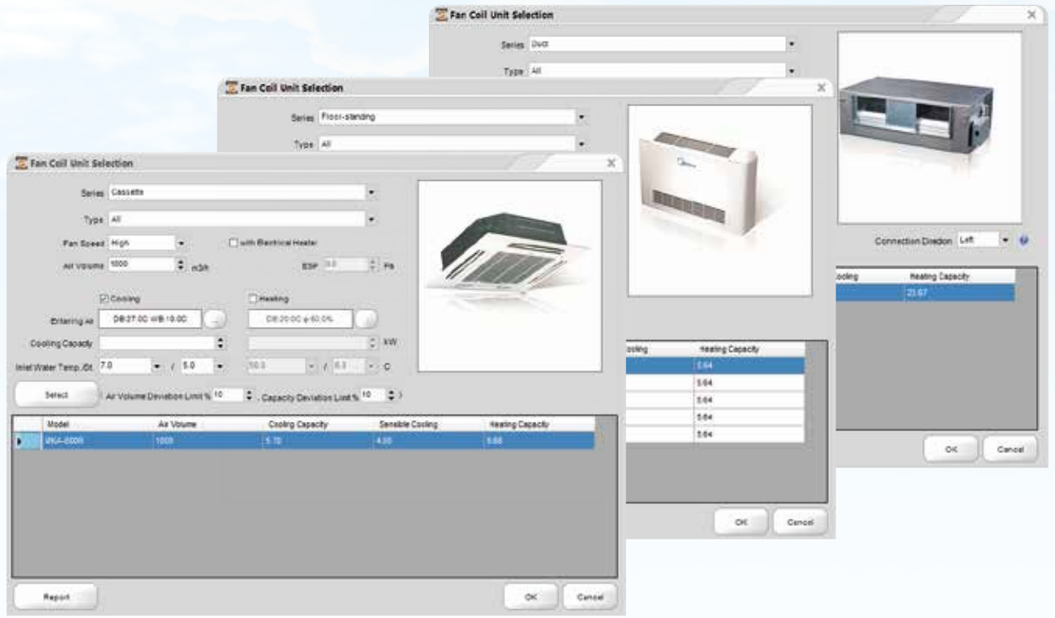
- BACnet/Ethernet optional.
- No need to install the Network Control Software any more. By inputting IP address of CCM08, PC in LAN could access
- CCM08 to realize simple setting and controlling of A/C.

Selection software

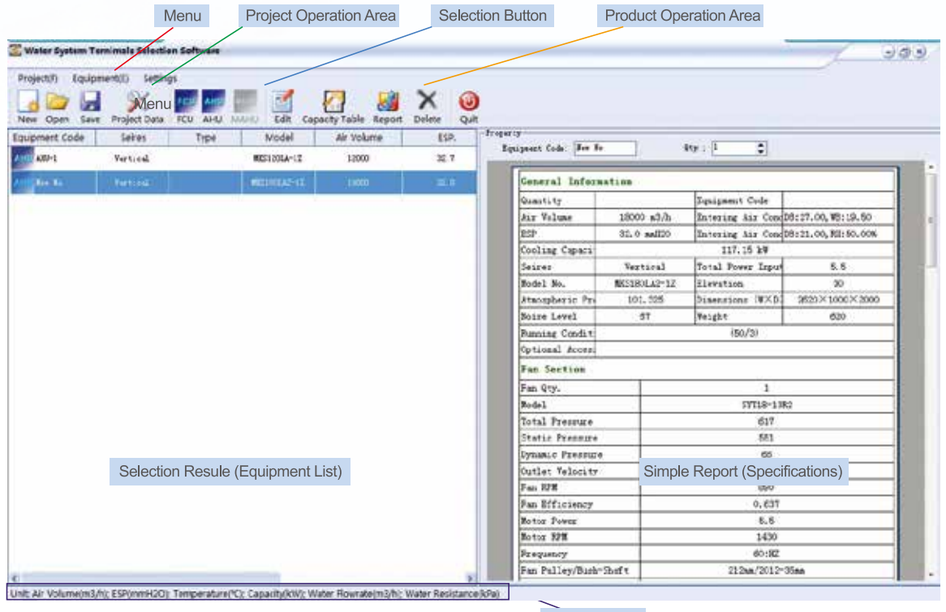
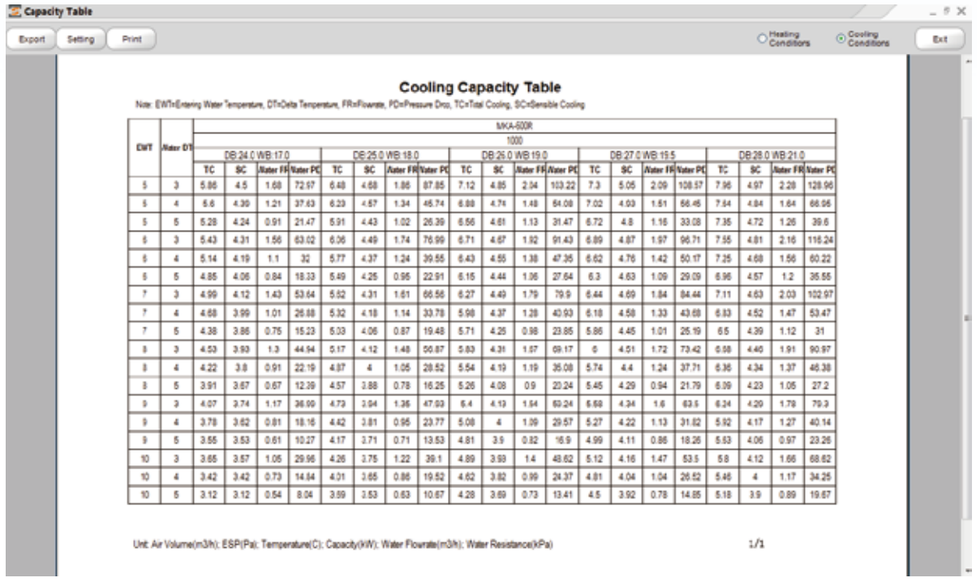
Features

- You can make selections under varies entering air conditions, entering water conditions and different fan speed settings.
- The interface is very visualized, which makes the operation easy.
- Powerful project management function.

Selection interface



Main interface



Report data interface