

1403-8C1310



# COMMERCIAL AIR CONDITIONERS

## Fan Coil Units 50/60Hz



TÜVRheinland  
**CERT**  
ISO 9001

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.  
Is certified under the ISO 14001 International standard  
for environmental management.  
Certificate No.15912E10020R0L

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





Factory

Testing room

Customer training

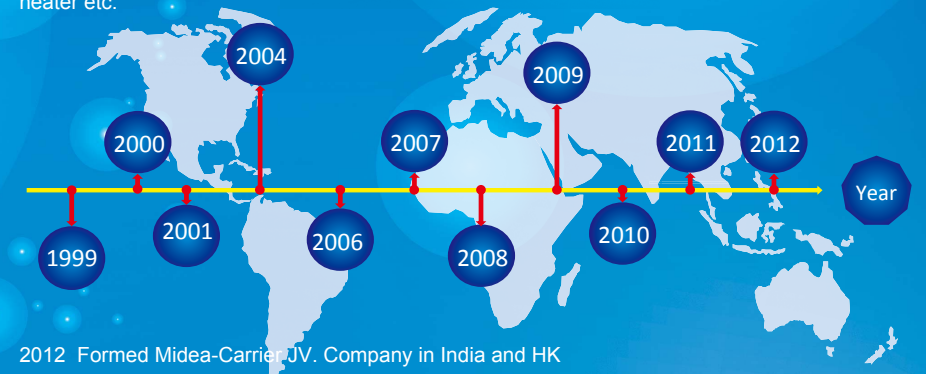
Reference project

Large industrial facility

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.

- 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 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 create a comfortable, quiet and high quality life for you

The Midea Chilled Water Fan Coil Unit is designed and manufactured on the basis of advanced technology, and utilizes qualified galvanized iron as structure material. Due to its super-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 doesn't decrease cooling capacity output. For the large air flow volume design, it can increase room ventilation frequency, supply more fresh 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<sup>3</sup>/h~3740m<sup>3</sup>/h). The standard power supply is 220-240V/1 phase/50Hz.

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# Nomenclature

**M K T3 H 2200 E G100**

## Static Pressure

**G12:** 12Pa **G30:** 30Pa **G50:** 50Pa  
**G70:** 70Pa **G100:** 100Pa

## Function Code

**R:** Remote Control  
**RA:** Remote Control with EAH  
**E:** With EAH  
**F:** 4-pipe  
**S:** 4-pipe Compact 4-way Cassette  
**N:** Without PCB  
**NF:** 4-pipe FCU without PCB

## Nominal Air Volume (CFM)

## Static Pressure Type

**H:** Draw Through Type  
**Omit:** Blow Through Type

## Type Code\*(Refer to below table)

## Chilled Water Fan Coil Unit

## Midea

### \*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)                             |

# Features and specifications →



# Cassette

2-Pipe 4-way cassette



2-Pipe compact 4-way cassette



4-Pipe 4-way cassette



4-Pipe compact 4-way cassette



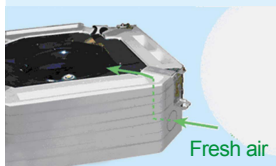
## Features

- 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° air supply 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.

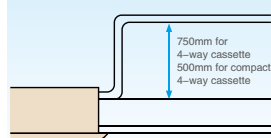
4-way panel



Fresh air supply



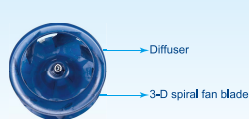
High water pump head



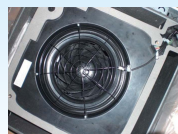
360° panel



Quiet operation, soft air supply



Safety grill



## 2-Pipe 4-Way Cassette

| Model MKA-                   |                         |                                    |         | 600R<br>600RA  | 750R<br>750RA   | 850R<br>850RA   | 950R<br>950RA  | 1200R<br>1200RA   | 1500R<br>1500RA  |              |
|------------------------------|-------------------------|------------------------------------|---------|----------------|-----------------|-----------------|----------------|-------------------|------------------|--------------|
| Air flow                     |                         | H/M/L                              | m³/h    | 1000/850/720   | 1250/1060/900   | 1400/1190/1010  | 1600/1360/1150 | 2000/1700/1440    | 2550/2170/1840   |              |
| Cooling                      | Capacity                | H/M/L                              | CFM     | 590/500/420    | 740/620/530     | 820/700/590     | 940/800/680    | 1180/1000/850     | 1500/1280/1080   |              |
|                              | Water flow rate         | H                                  | l/h     | 980            | 1204            | 1275.6          | 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 <sup>3</sup> /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           |               |                |                  |                |
| 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.



## 2-Pipe Compact 4-Way Cassette

| Model MKD-           |                         |                                    |         | 300          | 400           | 500          |
|----------------------|-------------------------|------------------------------------|---------|--------------|---------------|--------------|
| Air flow             |                         | H/M/L                              | m³/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                                |         |              |               |              |
|                      | Diameter                | mm                                 |         |              |               |              |
| Panel                | Dimensions              | W×H×D                              | mm      | 647×50×647   |               |              |
|                      | Packing                 | W×H×D                              | mm      | 715×123×715  |               |              |
|                      | Net weight              |                                    |         | kg           |               |              |
|                      | Gross weight            |                                    |         | kg           |               |              |
| Body                 | Dimensions              | W×H×D                              | mm      | 575×261×575  |               |              |
|                      | Packing                 | W×H×D                              | mm      | 670×290×670  |               |              |
|                      | Net weight              |                                    |         | kg           |               |              |
|                      | Gross weight            |                                    |         | kg           |               |              |
| Pipe connection      | Water inlet/outlet pipe |                                    |         | Inch         |               |              |
|                      | Drain pipe              |                                    |         | mm           |               |              |

## 2-Pipe Compact 4-Way Cassette without PCB

| Model MKD-           |                         |                                    |         | 300N           | 400N          | 500N         |
|----------------------|-------------------------|------------------------------------|---------|----------------|---------------|--------------|
| Air flow             |                         | H/M/L                              | m³/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                                |         |                |               |              |
|                      | Diameter                | mm                                 |         |                |               |              |
| Panel                | Dimensions              | W×H×D                              | mm      | 647×50×647     |               |              |
|                      | Packing                 | W×H×D                              | mm      | 715×123×715    |               |              |
|                      | Net weight              |                                    |         | kg             |               |              |
|                      | Gross weight            |                                    |         | kg             |               |              |
| Body                 | Dimensions              | W×H×D                              | mm      | 575×261×575    |               |              |
|                      | Packing                 | W×H×D                              | mm      | 670×290×670    |               |              |
|                      | Net weight              |                                    |         | kg             |               |              |
|                      | Gross weight            |                                    |         | kg             |               |              |
| Pipe connection      | Water inlet/outlet pipe |                                    |         | Inch           |               |              |
|                      | Drain pipe              |                                    |         | mm             |               |              |

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                              | m³/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            |                |                |                |                  |                  |
|                      | Diameter                |                                    |         | mm             |                |                |                |                  |                  |
| Panel                | Dimensions              | W×H×D                              | mm      | 950×45×950     |                |                |                |                  |                  |
|                      | Packing                 | W×H×D                              | mm      | 1035×90×1035   |                |                |                |                  |                  |
|                      | Net weight              |                                    |         | kg             |                |                |                |                  |                  |
|                      | Gross weight            |                                    |         | kg             |                |                |                |                  |                  |
| Body                 | Dimensions              | W×H×D                              | mm      | 840×300×840    |                |                |                |                  |                  |
|                      | Packing                 | W×H×D                              | mm      | 900×330×900    |                |                |                |                  |                  |
|                      | Net weight              |                                    |         | 35             | 35             | 35             | 35             | 38               | 38               |
|                      | Gross weight            |                                    |         | 41             | 41             | 41             | 41             | 44               | 44               |
| Pipe connection      | Water inlet/outlet pipe |                                    |         | Inch           |                |                |                |                  |                  |
|                      | Drain pipe              |                                    |         | mm             |                |                |                |                  |                  |

## 4-Pipe 4-Way Cassette without PCB

| Model MKA-           |                         |                                    |         | 750NF          | 950NF          | 1200NF           | 1500NF          |
|----------------------|-------------------------|------------------------------------|---------|----------------|----------------|------------------|-----------------|
| Air flow             |                         | H/M/L                              | m³/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            |                |                  |                 |
|                      | Diameter                |                                    |         | mm             |                |                  |                 |
| Panel                | Dimensions              | W×H×D                              | mm      | 950×45×950     |                |                  |                 |
|                      | Packing                 | W×H×D                              | mm      | 1035×90×1035   |                |                  |                 |
|                      | Net weight              |                                    |         | kg             |                |                  |                 |
|                      | Gross weight            |                                    |         | kg             |                |                  |                 |
| Body                 | Dimensions              | W×H×D                              | mm      | 840×300×840    |                |                  |                 |
|                      | Packing                 | W×H×D                              | mm      | 900×330×900    |                |                  |                 |
|                      | Net weight              |                                    |         | 35             | 35             | 38               | 38              |
|                      | Gross weight            |                                    |         | 41             | 41             | 44               | 44              |
| Pipe connection      | Water inlet/outlet pipe |                                    |         | Inch           |                |                  |                 |
|                      | Drain pipe              |                                    |         | mm             |                |                  |                 |

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

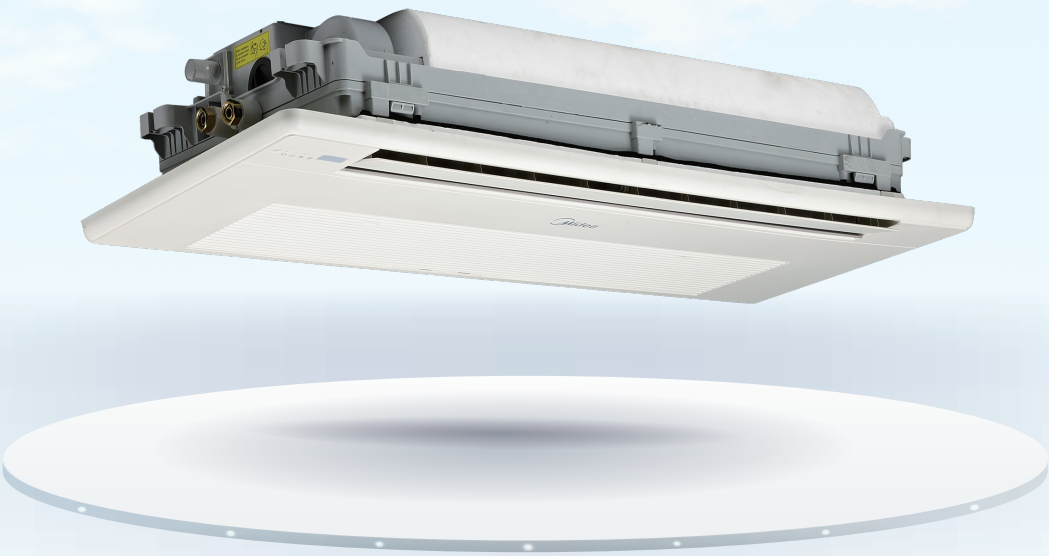
| Model MKD-           |                         |                                    |         | 300S                              | 400S          | 500S          |
|----------------------|-------------------------|------------------------------------|---------|-----------------------------------|---------------|---------------|
| Air flow             |                         | H/M/L                              | m³/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                              | m³/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                             |               |                |

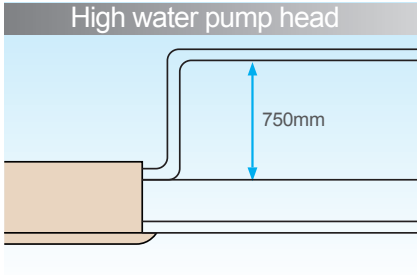
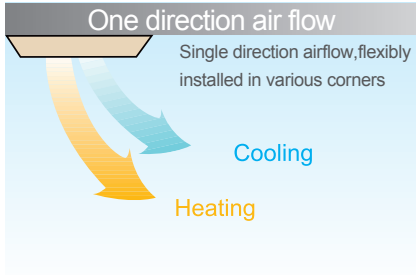
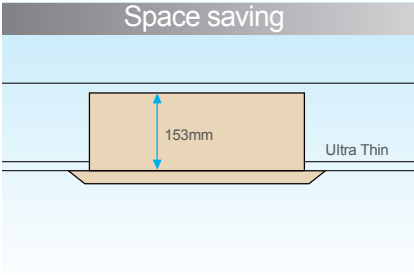
Note:  
1. H: high fan speed; M: medium fan speed; L: low fan speed.  
2. Cooling conditions: entering water 7℃, temperature rise 5℃, entering air temperature 27℃DB/19℃WB.  
Heating conditions: entering water 70℃, entering/leaving temperature difference is 10℃, entering air temperature 20℃DB.  
3. The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

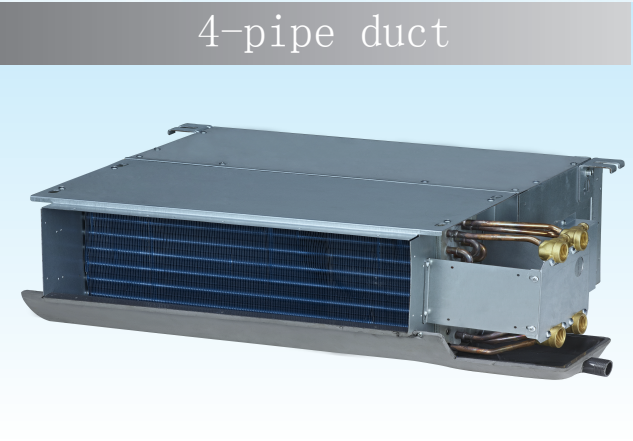
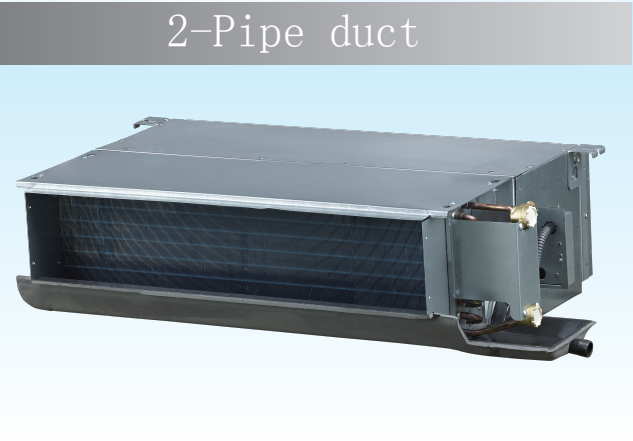




| Model MKC-                   |                         |       |         | 300R-B<br>300RA-B           | 400R-B<br>400RA-B | 600HRN4                            |
|------------------------------|-------------------------|-------|---------|-----------------------------|-------------------|------------------------------------|
| Air flow                     |                         | H/M/L | m³/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                          |                   | Φ8                                 |
| 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



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 ceiling 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<br>200G30<br>200EG30    | 300G12<br>300G30<br>300EG30 | 400G12<br>400G30<br>400EG30 | 500G12<br>500G30<br>500EG30 | 600G12<br>600G30<br>600EG30 |
|--------------------------|-------------------------|------------------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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               |
|                          | Water flow rate         | H                                  | l/h                            | 344                         | 464                         | 619                         | 757                         |
|                          | Water pressure drop     | H                                  | kPa                            | 5                           | 11                          | 19                          | 22                          |
| 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               |
|                          | Water pressure drop     | H                                  | kPa                            | 4.2                         | 9.5                         | 15.5                        | 18.3                        |
| Power supply             |                         |                                    | V/ph/Hz                        | 220-240/1/50                |                             |                             |                             |
| Power input              | 12Pa                    | H                                  | W                              | 31                          | 50                          | 60                          | 97                          |
|                          | 30Pa                    | H                                  | W                              | 45                          | 60                          | 67                          | 110                         |
| Electric heater capacity |                         |                                    | E                              | W                           | 550                         | 650                         | 1100                        |
| Sound pressure level     | 12Pa                    | H/M/L                              | dB(A)                          | 36/34/29                    | 38/33/29                    | 38/35/31                    | 39/36/32                    |
|                          | 30Pa                    | H/M/L                              | dB(A)                          | 41/37/31                    | 41/37/32                    | 42/39/33                    | 45/41/34                    |
| 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                                 | Φ9.52                          |                             |                             |                             |                             |
| Body                     | Dimensions              | W×H×D                              | mm                             | 741×241×522                 | 841×241×522                 | 941×241×522                 | 1161×241×522                |
|                          | Packing                 | W×H×D                              | mm                             | 790×260×550                 | 890×260×550                 | 990×260×550                 | 1210×260×550                |
|                          | Net weight              | *E                                 | kg                             | 13.9/15.4                   | 16.5/18                     | 19.2/20.7                   | 22/24                       |
|                          | Gross weight            | *E                                 | kg                             | 16.2/17.7                   | 19/20.5                     | 21.6/23.1                   | 25/27                       |
| Pipe connection          | Water inlet/outlet pipe | Inch                               | RC3/4                          |                             |                             |                             |                             |
|                          | Drain pipe              | mm                                 | ODΦ24                          |                             |                             |                             |                             |

| Model MKT2-              |                         |                                    | 800G12<br>800G30<br>800EG30    | 1000G12<br>1000G30<br>1000EG30 | 1200G12<br>1200G30<br>1200EG30 | 1400G12<br>1400G30<br>1400EG30 |
|--------------------------|-------------------------|------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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                 |
|                          | Water flow rate         | H                                  | l/h                            | 1290                           | 1531                           | 1858                           |
|                          | Water pressure drop     | H                                  | kPa                            | 14                             | 22                             | 39                             |
| Heating                  | Capacity                | H/M/L                              | kW                             | 11/9.48/8.25                   | 13.5/11.72/10.03               | 16.5/14.05/12.24               |
|                          | Water pressure drop     | H                                  | kPa                            | 12.5                           | 19                             | 32.6                           |
| Power supply             |                         |                                    | V/ph/Hz                        | 220-240/1/50                   |                                |                                |
| Power input              | 12Pa                    | H                                  | W                              | 140                            | 172                            | 205                            |
|                          | 30Pa                    | H                                  | W                              | 130                            | 171                            | 212                            |
| Electric heater capacity |                         |                                    | E                              | W                              | 2200                           | 3200                           |
| Sound pressure level     | 12Pa                    | H/M/L                              | dB(A)                          | 42/37/33                       | 44/39/34                       | 46/40/35                       |
|                          | 30Pa                    | H/M/L                              | dB(A)                          | 46/41/36                       | 47/43/37                       | 48/44/38                       |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |                                |                                |                                |                                |
|                          | Quantity                | 2                                  |                                |                                |                                |                                |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |                                |                                |                                |                                |
|                          | Quantity                | 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                   |
|                          | Packing                 | W×H×D                              | mm                             | 1510×260×550                   | 1615×260×550                   | 1905×260×550                   |
|                          | Net weight              | *E                                 | kg                             | 30.9/33.4                      | 33.4/36.4                      | 38.5/42                        |
|                          | Gross weight            | *E                                 | kg                             | 34.5/37                        | 37/40                          | 42/45.5                        |
| 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<br>200G30<br>200EG30    | 300G12<br>300G30<br>300EG30 | 400G12<br>400G30<br>400EG30 | 500G12<br>500G30<br>500EG30 | 600G12<br>600G30<br>600EG30 |
|--------------------------|-------------------------|------------------------------------|--------------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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               |
|                          | Water flow rate         | H                                  | l/h                            | 378                         | 533                         | 688                         | 791                         |
|                          | Water pressure drop     | H                                  | kPa                            | 14                          | 26                          | 18                          | 24                          |
| 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                  |
|                          | Water pressure drop     | H                                  | kPa                            | 10.5                        | 21.8                        | 16.9                        | 22.3                        |
| Power supply             |                         |                                    | V/ph/Hz                        | 220-240/1/50                |                             |                             |                             |
| Power input              | 12Pa                    | H                                  | W                              | 33                          | 53                          | 66                          | 100                         |
|                          | 30Pa                    | H                                  | W                              | 49                          | 64                          | 75                          | 114                         |
| Electric heater capacity |                         |                                    | E                              | W                           | 550                         | 650                         | 1100                        |
| Sound pressure level     | 12Pa                    | H/M/L                              | dB(A)                          | 35/32/26                    | 36/33/27                    | 37/34/28                    | 40/36/30                    |
|                          | 30Pa                    | H/M/L                              | dB(A)                          | 41/37/31                    | 42/38/32                    | 43/39/33                    | 44/40/34                    |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |                                |                             |                             |                             |                             |
|                          | Quantity                | 1                                  |                                |                             |                             |                             |                             |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |                                |                             |                             |                             |                             |
|                          | Quantity                | 1                                  |                                |                             |                             |                             |                             |
| 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                 | 1161×241×522                |
|                          | Packing                 | W×H×D                              | mm                             | 790×260×550                 | 890×260×550                 | 990×260×550                 | 1210×260×550                |
|                          | Net weight              | *E                                 | kg                             | 14.6/16.1                   | 17/18.5                     | 20.2/21.7                   | 23/25                       |
|                          | Gross weight            | *E                                 | kg                             | 16.9/18.4                   | 19.5/21                     | 22.6/24.1                   | 26/28                       |
| Pipe connection          | Water inlet/outlet pipe | Inch                               | RC3/4                          |                             |                             |                             |                             |
|                          | Drain pipe              | mm                                 | ODΦ24                          |                             |                             |                             |                             |

| Model MKT3-              |                         |                                    | 800G12<br>800G30<br>800EG30    | 1000G12<br>1000G30<br>1000EG30 | 1200G12<br>1200G30<br>1200EG30 | 1400G12<br>1400G30<br>1400EG30 |
|--------------------------|-------------------------|------------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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                    |
|                          | Water flow rate         | H                                  | l/h                            | 1410                           | 1548                           | 1892                           |
|                          | Water pressure drop     | H                                  | kPa                            | 39                             | 32                             | 39                             |
| Heating                  | Capacity                | H/M/L                              | kW                             | 13.6/11.97/10.2                | 16/14.24/12                    | 20.1/18.27/15.43               |
|                          | Water pressure drop     | H                                  | kPa                            | 33.8                           | 30.7                           | 34.6                           |
| Power supply             |                         |                                    | V/ph/Hz                        | 220-240/1/50                   |                                |                                |
| Power input              | 12Pa                    | H                                  | W                              | 145                            | 180                            | 210                            |
|                          | 30Pa                    | H                                  | W                              | 154                            | 180                            | 220                            |
| Electric heater capacity |                         |                                    | E                              | W                              | 2200                           | 3200                           |
| Sound pressure level     | 12Pa                    | H/M/L                              | dB(A)                          | 43/39/33                       | 45/41/35                       | 46/42/36                       |
|                          | 30Pa                    | H/M/L                              | dB(A)                          | 46/42/36                       | 47/43/37                       | 48/44/38                       |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |                                |                                |                                |                                |
|                          | Quantity                | 2                                  |                                |                                |                                |                                |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |                                |                                |                                |                                |
|                          | Quantity                | 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                   |
|                          | Packing                 | W×H×D                              | mm                             | 1510×260×550                   | 1615×260×550                   | 1905×260×550                   |
|                          | Net weight              | *E                                 | kg                             | 31.9/34.4                      | 34.4/37.4                      | 39.5/43                        |
|                          | Gross weight            | *E                                 | kg                             | 35.5/38                        | 38.1/41.1                      | 43/46.5                        |
| 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.
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                   | m <sup>3</sup> /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               |
| 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    |
|                          | Water flow rate         | H                                  | l/h         | 430           | 568           | 757           | 826           | 1066           | 1514             |
|                          | Water pressure drop     | H                                  | kPa         | 2.6           | 5             | 8.1           | 9.8           | 15.4           | 12.3             |
| 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 |
|                          | Water pressure drop     | H                                  | kPa         | 2.2           | 4.2           | 6.9           | 8.1           | 12.7           | 10               |
| Power supply             |                         |                                    | V/ph/Hz     | 220-240/1/50  |               |               |               |                |                  |
| Power input              |                         |                                    | H           | W             | 50            | 65            | 80            | 98             | 110              |
| Sound pressure level     |                         |                                    | H/M/L       | dB(A)         | 37/33/27      | 38/34/28      | 38/35/29      | 40/35/30       | 41/36/31         |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |             |               |               |               |               |                |                  |
|                          | Quantity                | 1                                  |             |               |               |               |               |                |                  |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |             |               |               |               |               |                |                  |
|                          | Quantity                | 1                                  |             |               |               |               |               |                |                  |
| Coil                     | Row                     | 4                                  |             |               |               |               |               |                |                  |
|                          | Max. Working pressure   | MPa                                | 1.6         |               |               |               |               |                |                  |
| Body                     | Diameter                | mm                                 | Φ9.52       |               |               |               |               |                |                  |
|                          | Dimensions              | W×H×D                              | mm          | 741×241×522   | 841×241×522   | 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   | 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                   | m <sup>3</sup> /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             | 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   |
|                          | Water flow rate         | H                                  | l/h            | 2030             | 2236           | 2322           | 2322           | 3096           |
|                          | Water pressure drop     | H                                  | kPa            | 21.2             | 24.7           | 11.5           | 11.5           | 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 |
|                          | Water pressure drop     | H                                  | kPa            | 17.6             | 20.8           | 10             | 10             | 24.3           |
| Power supply             |                         |                                    | V/ph/Hz        | 220-240/1/50     |                |                |                |                |
| Power input              |                         |                                    | H              | W                | 220            | 275            | 236            | 474            |
| Sound pressure level     |                         |                                    | H/M/L          | dB(A)            | 45/40/34       | 47/42/36       | 48/44/39       | 51/47/42       |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |                |                  |                |                |                |                |
|                          | Quantity                | 2                                  |                |                  |                |                |                |                |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |                |                  |                |                |                |                |
|                          | Quantity                | 4                                  |                |                  |                |                |                |                |
| Coil                     | Row                     | 4                                  |                |                  |                |                |                |                |
|                          | Max. Working pressure   | MPa                                | 1.6            |                  |                |                |                |                |
| Body                     | Diameter                | mm                                 | Φ9.52          |                  |                |                |                |                |
|                          | Dimensions              | W×H×D                              | mm             | 1856×241×522     | 2022×241×522   | 1369×342×612   | 1369×342×612   | 1500×342×612   |
|                          | Packing                 | W×H×D                              | mm             | 1905×260×550     | 2070×260×550   | 1421×381×619   | 1421×381×619   | 1552×381×619   |
|                          | 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<br>200FG30 | 300FG12<br>300FG30             | 400FG12<br>400FG30 | 500FG12<br>500FG30 | 600FG12<br>600FG30 |
|--------------------------|-------------------------|------------------------------------|--------------------|--------------------------------|--------------------|--------------------|--------------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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      |
|                          | Water flow rate         | H                                  | l/h                | 344                            | 464                | 619                | 740                |
|                          | Water pressure drop     | H                                  | kPa                | 7.6                            | 14.4               | 8.2                | 9.5                |
| 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      |
|                          | Water flow rate         | H                                  | l/h                | 258                            | 344                | 447                | 490                |
| Power supply             | Water pressure drop     | H                                  | kPa                | 6.8                            | 12.5               | 23.5               | 24.0               |
| Power supply             |                         |                                    | V/ph/Hz            | 220-240/1/50                   |                    |                    |                    |
| Power input              | 12Pa                    | H                                  | W                  | 33                             | 53                 | 66                 | 87                 |
|                          | 30Pa                    | H                                  | W                  | 49                             | 64                 | 75                 | 96                 |
| Sound pressure level     | 12Pa                    | H/M/L                              | dB(A)              | 35/32/26                       | 36/33/27           | 37/34/28           | 40/36/30           |
|                          | 30Pa                    | H/M/L                              | dB(A)              | 41/37/31                       | 42/38/32           | 43/39/33           | 44/40/34           |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |                    |                                |                    |                    |                    |
|                          | Quantity                | 1                                  |                    |                                |                    |                    |                    |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |                    |                                |                    |                    |                    |
|                          | Quantity                | 1                                  |                    |                                |                    |                    |                    |
| Coil                     | Row                     | 3                                  |                    |                                |                    |                    |                    |
|                          | Max. Working pressure   | MPa                                | 1.6                |                                |                    |                    |                    |
| Body                     | Diameter                | mm                                 | Φ9.52              |                                |                    |                    |                    |
|                          | Dimensions              | W×H×D                              | mm                 | 741×241×522                    | 841×241×522        | 941×241×522        | 1161×241×522       |
|                          | Packing                 | W×H×D                              | mm                 | 790×260×550                    | 890×260×550        | 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<br>800FG30 | 1000FG12<br>1000FG30           | 1200FG12<br>1200FG30 | 1400FG12<br>1400FG30 |
|--------------------------|-------------------------|------------------------------------|--------------------|--------------------------------|----------------------|----------------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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       |
|                          | Water flow rate         | H                                  | l/h                | 1170                           | 1342                 | 1754                 |
|                          | Water pressure drop     | H                                  | kPa                | 18.8                           | 30.0                 | 40.3                 |
| Heating                  | Capacity                | H/M/L                              | kW                 | 9.6/8.45/7.2                   | 10.8/9.61/8.1        | 13.5/12.15/10.26     |
|                          | Water flow rate         | H                                  | l/h                | 826                            | 929                  | 1161                 |
| Power supply             | Water pressure drop     | H                                  | kPa                | 20.7                           | 34.7                 | 28.6                 |
| Power supply             |                         |                                    | V/ph/Hz            | 220-240/1/50                   |                      |                      |
| Power input              | 12Pa                    | H                                  | W                  | 145                            | 180                  | 210                  |
|                          | 30Pa                    | H                                  | W                  | 154                            | 193                  | 230                  |
| Sound pressure level     | 12Pa                    | H/M/L                              | dB(A)              | 43/39/33                       | 45/41/35             | 46/42/36             |
|                          | 30Pa                    | H/M/L                              | dB(A)              | 46/42/36                       | 47/43/37             | 48/44/38             |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |                    |                                |                      |                      |
|                          | Quantity                | 2                                  |                    |                                |                      |                      |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |                    |                                |                      |                      |
|                          | Quantity                | 4                                  |                    |                                |                      |                      |
| Coil                     | Row                     | 3                                  |                    |                                |                      |                      |
|                          | Max. Working pressure   | MPa                                | 1.6                |                                |                      |                      |
| Body                     | Diameter                | mm                                 | Φ9.52              |                                |                      |                      |
|                          | Dimensions              | W×H×D                              | mm                 | 1461×241×522                   | 1566×241×522         | 1856×241×522         |
|                          | Packing                 | W×H×D                              | mm                 | 1510×260×550                   | 1615×260×550         | 1905×260×550         |
|                          | 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.

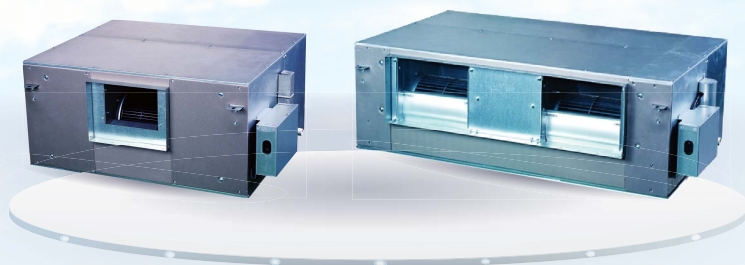
2. The data is the performance in relevant external static pressure.

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<br>800EG70 | 1000G70<br>1000EG70         | 1200G70<br>1200EG70 | 1400G70<br>1400EG70 |                 |
|-------------------------------|-------------------------|------------------------------------|-------------------|-----------------------------|---------------------|---------------------|-----------------|
| Air flow                      |                         | H/M/L                              | m³/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                                  |                   |                             |                     |                     |                 |
| 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               |                     | 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                       |                     |                     |                 |

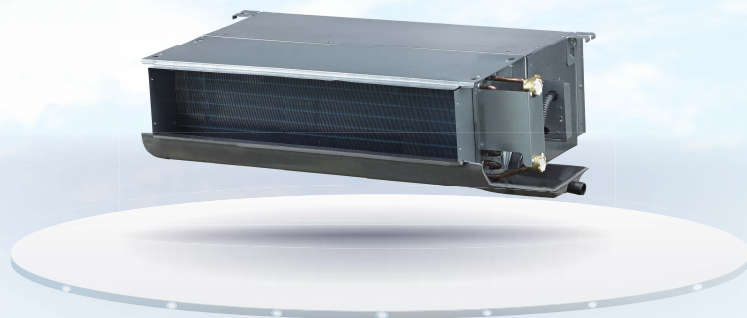
| Model MKT3H-                  |                         |                                    |         | 1600G100<br>1600EG100       | 1800G100<br>1800EG100 | 2200G100<br>2200EG100 |
|-------------------------------|-------------------------|------------------------------------|---------|-----------------------------|-----------------------|-----------------------|
| Air flow                      |                         | H/M/L                              | m³/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                                  |         |                             |                       |                       |
| Coil                          | Row                     |                                    | 3       | 3                           | 3                     |                       |
|                               | Max. Working pressure   |                                    | MPa     | 1.6                         |                       |                       |
|                               | Diameter                |                                    | mm      | Φ 9.52                      |                       |                       |
| Body                          | Dimensions (°E)         | W×H×D                              | mm      | 1290×400×809 / 1290×400×874 |                       |                       |
|                               | Packing (°E)            | W×H×D                              | mm      | 1368×460×809 / 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      | OD Φ32                      |                       |                       |

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 <sup>3</sup> /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              |
| 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              |
| Sound pressure level     |                         |                                    |     | H/M/L       | dB(A)          | 36/33/27      | 38/32/28       | 40/34/30       | 42/36/31        |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |     |             |                |               |                |                |                 |
|                          | Quantity                | 1                                  |     |             |                |               |                |                |                 |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |     |             |                |               |                |                |                 |
|                          | Quantity                | 1                                  |     |             |                |               |                |                |                 |
| Coil                     | Row                     | 3                                  |     |             |                |               |                |                |                 |
|                          | Max. Working pressure   | MPa                                |     |             |                |               |                |                |                 |
|                          | Diameter                | mm                                 |     |             |                |               |                |                |                 |
| 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                                 |     |             |                |               |                |                |                 |
|                          | Gross weight            | kg                                 |     |             |                |               |                |                |                 |
|                          | Pipe connection         | Inch                               |     |             |                |               |                |                |                 |
| Pipe connection          | Water inlet/outlet pipe | mm                                 |     |             |                |               |                |                |                 |
|                          | Drain pipe              | mm                                 |     |             |                |               |                |                |                 |

| Model MKQT3H-            |                         |                                    |     | 1000             | 1200             | 1400*          | 1500*          | 2000*          |
|--------------------------|-------------------------|------------------------------------|-----|------------------|------------------|----------------|----------------|----------------|
| Air flow                 | H/M/L                   | m <sup>3</sup> /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             |
| 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            | 225            | 236            |
| Sound pressure level     |                         |                                    |     | H/M/L            | dB(A)            | 46/40/32       | 47/41/32       | 47/42/33       |
| Fan motor                | Type                    | Low noise 4-speed fan motor        |     |                  |                  |                |                |                |
|                          | Quantity                | 2                                  |     |                  |                  |                |                |                |
| Fan                      | Type                    | Centrifugal, forward-curved Blades |     |                  |                  |                |                |                |
|                          | Quantity                | 4                                  |     |                  |                  |                |                |                |
| Coil                     | Row                     | 3                                  |     |                  |                  |                |                |                |
|                          | Max. Working pressure   | MPa                                |     |                  |                  |                |                |                |
|                          | Diameter                | mm                                 |     |                  |                  |                |                |                |
| 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                                 |     |                  |                  |                |                |                |
|                          | Gross weight            | kg                                 |     |                  |                  |                |                |                |
|                          | Pipe connection         | Inch                               |     |                  |                  |                |                |                |
| Pipe connection          | Water inlet/outlet pipe | mm                                 |     |                  |                  |                |                |                |
|                          | Drain pipe              | mm                                 |     |                  |                  |                |                |                |

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.
4. Heating conditions: entering water 60℃, entering air temperature 21.1℃ DB/15.6℃ WB, the same water flow as the cooling conditions.
5. The noise is tested in the semi-anechoic test room.
6. \*MKQT3H-1400, MKQT3H-1500, MKQT3H-2000 units need to customize.

# Wall-mounted



C type panel



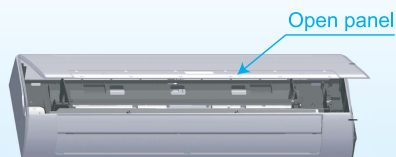
S type panel



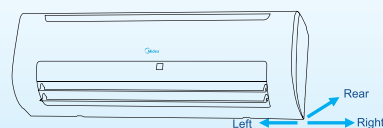
## Features

- 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 control with LED display is standard, wired control 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 <sup>3</sup> /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 <sup>3</sup> /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.
3. 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 <sup>3</sup> /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             | 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                                  |         |                |                |                |                |                |
| Fan                  | Type                    | Centrifugal, forward-curved Blades |         |                |                |                |                |                |
|                      | Quantity                | 1                                  |         |                |                |                |                |                |
| Coil                 | Row                     | 3                                  |         |                |                |                |                |                |
|                      | Max. Working pressure   | MPa                                |         |                |                |                |                |                |
|                      | Diameter                | mm                                 |         |                |                |                |                |                |
| 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             |
|                      | Dimensions              | W×H×D                              | mm      | 550×545×212    | 550×545×212    | 750×545×212    | 750×545×212    | 950×545×212    |
| Body MKF3            | 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          |
|                      | Water inlet/outlet pipe | Inch                               |         |                |                |                |                |                |
| Pipe connection      | Drain pipe              | mm                                 |         |                |                |                |                |                |

| Model MKF1(2,3)-     |                         |                                    |         | 500             | 600              | 800               | 900              |
|----------------------|-------------------------|------------------------------------|---------|-----------------|------------------|-------------------|------------------|
| Air flow             | H/M/L                   | m <sup>3</sup> /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               |
| 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                                  |         |                 |                  |                   |                  |
| Fan                  | Type                    | Centrifugal, forward-curved Blades |         |                 |                  |                   |                  |
|                      | Quantity                | 2                                  |         |                 |                  |                   |                  |
| Coil                 | Row                     | 3                                  |         |                 |                  |                   |                  |
|                      | Max. Working pressure   | MPa                                |         |                 |                  |                   |                  |
|                      | Diameter                | mm                                 |         |                 |                  |                   |                  |
| 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               |
|                      | Dimensions              | W×H×D                              | mm      | 950×545×212     | 1250×545×212     | 1250×545×212      | 1250×545×212     |
| Body MKF3            | 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            |
|                      | Water inlet/outlet pipe | Inch                               |         |                 |                  |                   |                  |
| Pipe connection      | Drain pipe              | mm                                 |         |                 |                  |                   |                  |

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 <sup>3</sup> /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                                  |                   |                |                |                |                |                |
| Fan                  | Type                    | Centrifugal, forward-curved Blades |                   |                |                |                |                |                |
|                      | Quantity                | 1                                  |                   |                |                |                |                |                |
| Coil                 | Row                     | 3                                  |                   |                |                |                |                |                |
|                      | Max. Working pressure   | 1.6                                |                   |                |                |                |                |                |
| Body                 | Diameter                | Φ9.52                              |                   |                |                |                |                |                |
|                      | 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 | G3/4                               |                   |                |                |                |                |                |
|                      | Drain pipe              | ODΦ16                              |                   |                |                |                |                |                |

| Model MKF4(5)-       |                         |                                    |                   | 500             | 600              | 800               | 900              |
|----------------------|-------------------------|------------------------------------|-------------------|-----------------|------------------|-------------------|------------------|
| Air flow             |                         | H/M/L                              | m <sup>3</sup> /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                                  |                   |                 |                  |                   |                  |
| Fan                  | Type                    | Centrifugal, forward-curved Blades |                   |                 |                  |                   |                  |
|                      | Quantity                | 2                                  |                   |                 |                  |                   |                  |
| Coil                 | Row                     | 3                                  |                   |                 |                  |                   |                  |
|                      | Max. Working pressure   | 1.6                                |                   |                 |                  |                   |                  |
| Body                 | Diameter                | Φ9.52                              |                   |                 |                  |                   |                  |
|                      | 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 | G3/4                               |                   |                 |                  |                   |                  |
|                      | Drain pipe              | 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 &amp; Floor

| Model MKH1(2,3)-     |                         |                                    |                   | 150            | 250            | 300            | 400            | 450            |
|----------------------|-------------------------|------------------------------------|-------------------|----------------|----------------|----------------|----------------|----------------|
| Air flow             |                         | H/M/L                              | m <sup>3</sup> /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 noise 4-speed fan motor        |                   |                |                |                |                |                |
|                      | Quantity                | 1                                  |                   |                |                |                |                |                |
| Fan                  | Type                    | Centrifugal, forward-curved Blades |                   |                |                |                |                |                |
|                      | Quantity                | 1                                  |                   |                |                |                |                |                |
| Coil                 | Row                     | 3                                  |                   |                |                |                |                |                |
|                      | Max. Working pressure   | 1.6                                |                   |                |                |                |                |                |
| Body MKH1(2)         | Diameter                | Φ9.52                              |                   |                |                |                |                |                |
|                      | 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                          |                   |                |                |                |                |                |
| 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                              |                   |                |                |                |                |                |
| Pipe connection      | Water inlet/outlet pipe | G3/4                               |                   |                |                |                |                |                |
|                      | Drain pipe              | ODΦ16                              |                   |                |                |                |                |                |

| Model MKH1(2,3)-     |                         |                                    |                   | 500            | 600            | 800            | 900              |
|----------------------|-------------------------|------------------------------------|-------------------|----------------|----------------|----------------|------------------|
| Air flow             |                         | H/M/L                              | m <sup>3</sup> /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                                  |                   |                |                |                |                  |
| Fan                  | Type                    | Centrifugal, forward-curved Blades |                   |                |                |                |                  |
|                      | Quantity                | 2                                  |                   |                |                |                |                  |
| Coil                 | Row                     | 3                                  |                   |                |                |                |                  |
|                      | Max. Working pressure   | 1.6                                |                   |                |                |                |                  |
| Body MKH1(2)         | Diameter                | Φ9.52                              |                   |                |                |                |                  |
|                      | 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                            |                   |                |                |                |                  |
| 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                              |                   |                |                |                |                  |
| Pipe connection      | Water inlet/outlet pipe | G3/4                               |                   |                |                |                |                  |
|                      | Drain pipe              | 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.

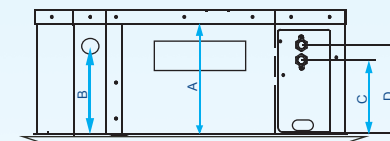
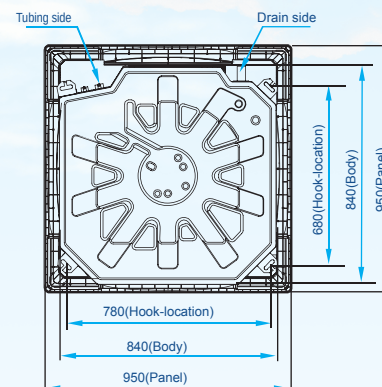


# Dimensions →

## Dimensions

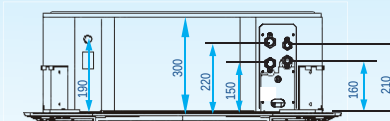
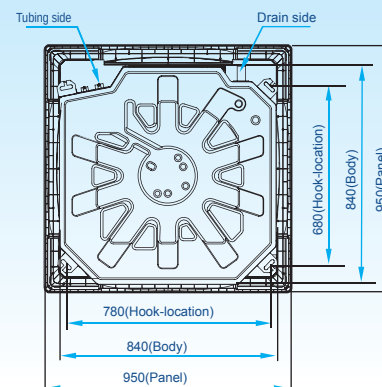
### 4-way cassette

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

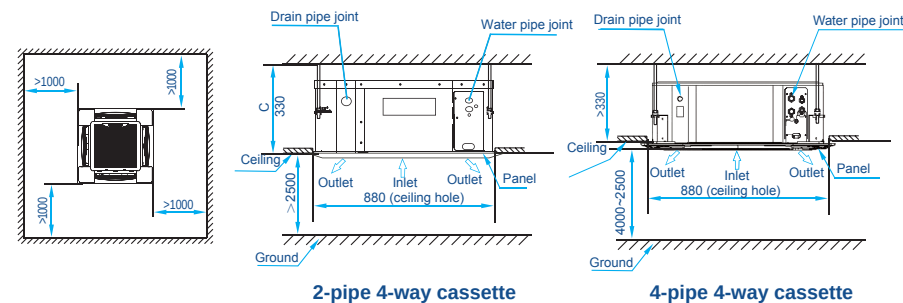


| Model        | Size | A   | B   | C   | D   |
|--------------|------|-----|-----|-----|-----|
| MKA-600R(A)  |      | 230 | 170 | 135 | 185 |
| MKA-750R(A)  |      |     |     |     |     |
| MKA-950R(A)  |      | 300 | 190 | 145 | 195 |
| MKA-1200R(A) |      |     |     |     |     |
| MAK-1500R(A)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

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



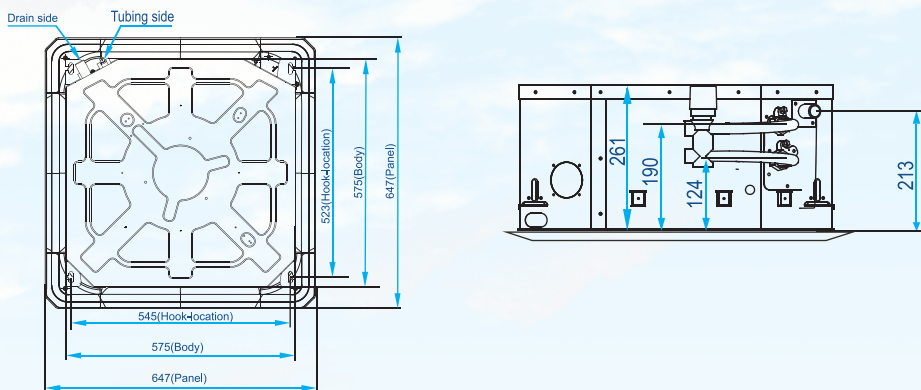
Service Spaces (unit:mm)



## Compact 4-way cassette

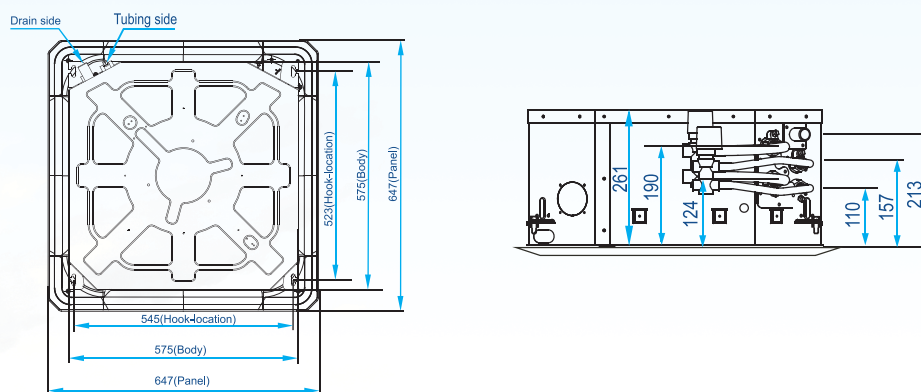
### 2-pipe compact 4-way cassette

Dimensions (unit:mm)

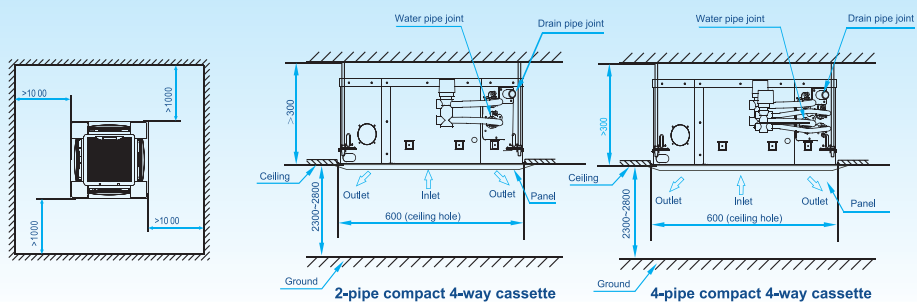


### 4-pipe compact 4-way cassette

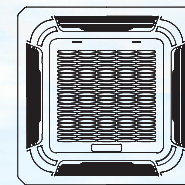
Dimensions (unit:mm)



### Service Spaces (unit:mm)



### Height of the front panel

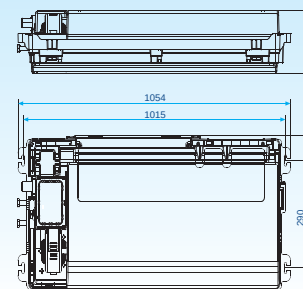


| Type                   | H (mm) |
|------------------------|--------|
| 4-way cassette         | 45     |
| Compact 4-way cassette | 50     |

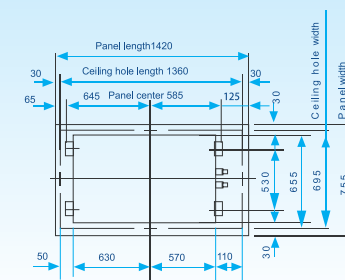
## 1-way cassette

Dimensions (unit: mm)

### MKG-300R(A)-B MKG-400R(A)-B

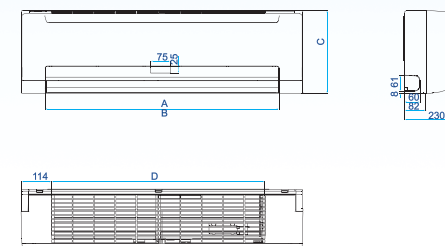


### MKG-600HRN4



## MKG(S panel)

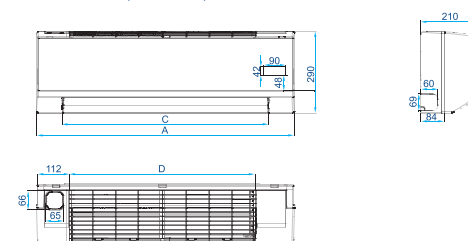
Dimensions (unit: mm)



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

## MKG(C panel)

Dimensions (unit: mm)

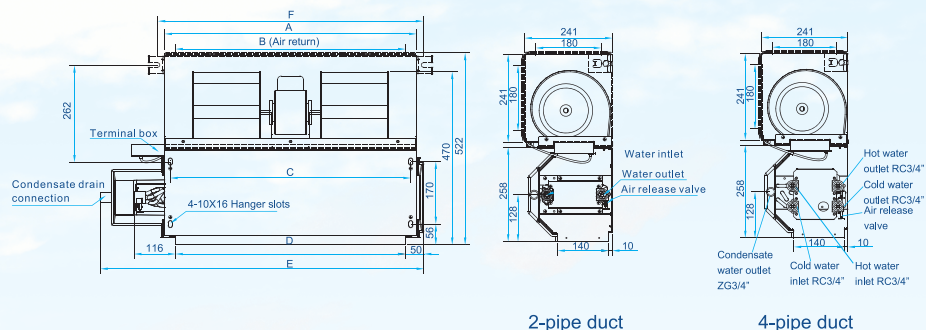


| Model | MKG-250<br>MKG-300<br>MKG-400 | MKG-500<br>MKG-600 |
|-------|-------------------------------|--------------------|
| A     | 915                           | 1070               |
| B     | 290                           | 315                |
| C     | 725                           | 885                |
| D     | 670                           | 815                |



## Duct(low external static pressure)

Dimensions (unit: mm)



2-pipe duct

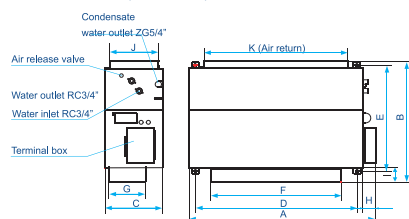
4-pipe duct

| 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)

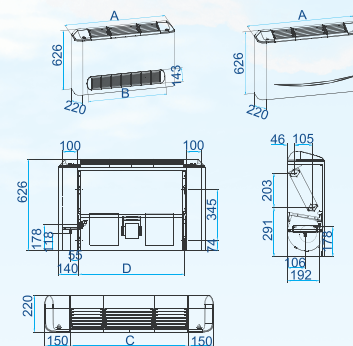


| Model | MKT3H-800G70 | MKT3H-1000G70 | MKT3H-1200G70 | MKT3H-1400G70 | MKT3H-1600G70 | MKT3H-1800G70 | MKT3H-2000G70 | MKT3H-2200G70 | MKT3H-2400G70 |
|-------|--------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Size  | 800          | 1000          | 1200          | 1400          | 1600          | 1800          | 2000          | 2200          | 2400          |
| A     | 946          | 946           | 1290          | 1290          | 1290          | 1290          | 1290          | 1290          | 1290          |
| B     | 816          | 816           | 809           | 874           | 874           | 874           | 874           | 874           | 874           |
| C     | 400          | 400           | 400           | 400           | 400           | 400           | 400           | 400           | 400           |
| D     | 778          | 778           | 1118          | 1118          | 1118          | 1118          | 1118          | 1118          | 1118          |
| E     | 767          | 767           | 765           | 765           | 765           | 765           | 765           | 765           | 765           |
| F     | 306          | 306           | 900           | 900           | 900           | 900           | 900           | 900           | 900           |
| G     | 219          | 219           | 249           | 249           | 249           | 249           | 249           | 249           | 249           |
| H     | 88           | 88            | 88            | 88            | 88            | 88            | 88            | 88            | 88            |
| I     | 37           | 97            | 39            | 104           | 104           | 104           | 104           | 104           | 104           |
| J     | 338          | 338           | 320           | 320           | 320           | 320           | 320           | 320           | 320           |
| K     | 512          | 512           | 995           | 995           | 995           | 995           | 995           | 995           | 995           |

## Floor-standing,Ceiling & Floor FCU

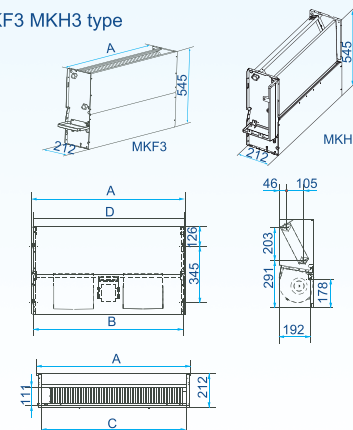
Dimensions (unit: mm)

MKF1(2), MKH1(2) type



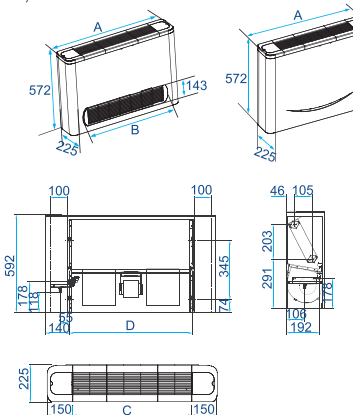
| Model  | MKF1-150 (250) | MKF1-300 (400) | MKF1-400 (500) | MKF1-600 (800,900) |
|--------|----------------|----------------|----------------|--------------------|
| Size   | 150(250)       | 300(400)       | 400(500)       | 600(800,900)       |
| A (mm) | 800            | 1000           | 1200  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

MKF3 MKH3 type



| Model  | MKF3-150(250) | MKF3-300 (400) | MKF3-400(500) | MKF3-600 (800,900) |
|--------|---------------|----------------|---------------|--------------------|
| Size   | 150(250)      | 300(400)       | 400(500)      | 600(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



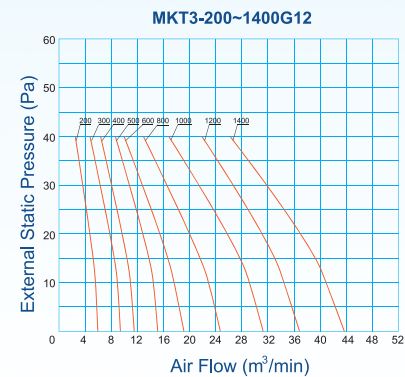
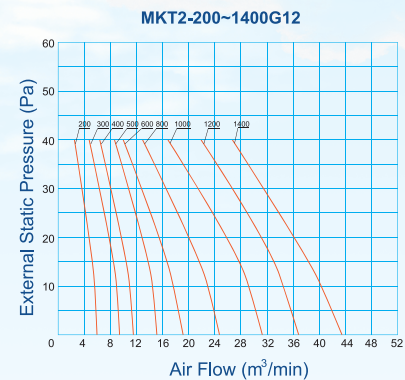
| Model  | MKF4-150(250) | MKF4-300 (400) | MKF4-400(500) | MKF4-600 (800,900) |
|--------|---------------|----------------|---------------|--------------------|
| Size   | 150(250)      | 300(400)       | 400(500)      | 600(800,900)       |
| A (mm) | 800           | 1000           | 1200         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



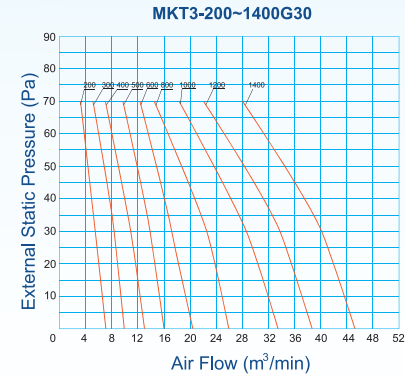
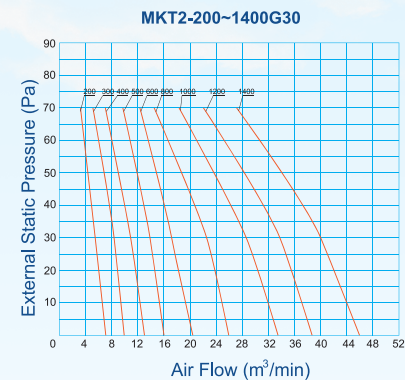
Fan performance ➔

# Fan performance

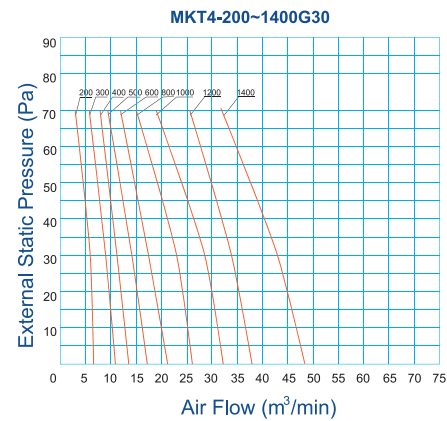
12Pa



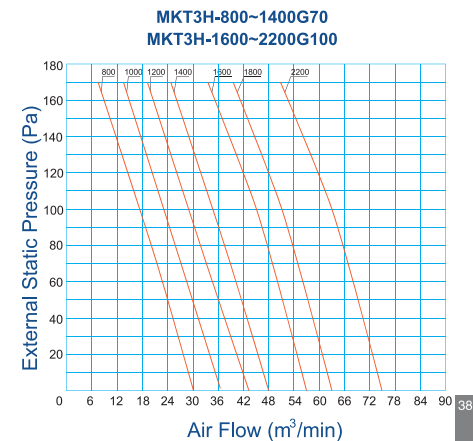
30Pa



30Pa



70/100 Pa





# 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 voltage 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:  $\pm 1^\circ\text{C}$ .

### 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:  $\pm 1^\circ\text{C}$ .

### 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 $\pm 10\%$ , 50/60Hz.
- Working Environment: Temperature: -15~43°C.
- Relative Humidity: 40%~90%.
- Temperature Controlling Range: 17~30°C.
- Temperature Controlling Precision:  $\pm 1^\circ\text{C}$ .

### 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:  $\pm 1^\circ\text{C}$ .

### 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  $^\circ\text{F}$  or  $^\circ\text{C}$ .
- ON/OFF mode setting.

## For Duct type FCU

Optional wired controller for duct units without EAH



KJR-18B



KJRP-86A1-E

### Specification

- Working Voltage: AC220V $\pm 10\%$ , 50/60Hz.
- Working Environment: Temperature: 0~45°C.
- Relative Humidity: 5%~90%.
- Temperature Controlling Range: 10~30°C.
- Temperature Controlling Precision:  $\pm 1^\circ\text{C}$ .
- External Dimension: 85 $\times$ 130 $\times$ 43mm (W $\times$ H $\times$ 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.

- ★ Working Environment: Temperature: 5~45°C.
- ★ Relative Humidity: <92%.
- ★ External Dimension: 85 $\times$ 85 $\times$ 15mm (W $\times$ H $\times$ D).
- ★ Installation method: 86 box installation(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

### Specification

- Working Voltage: AC220V $\pm 10\%$ , 50/60Hz.
- Power Consumption: <2W.
- Current Load: <2A.
- Temperature Controlling Range: 5~35°C.
- Temperature Controlling Precision:  $\pm 1^\circ\text{C}$ .
- External Dimension: 86 $\times$ 86 $\times$ 13mm (W $\times$ H $\times$ 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).



KJR-21B/D

# Accessories

Features

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).

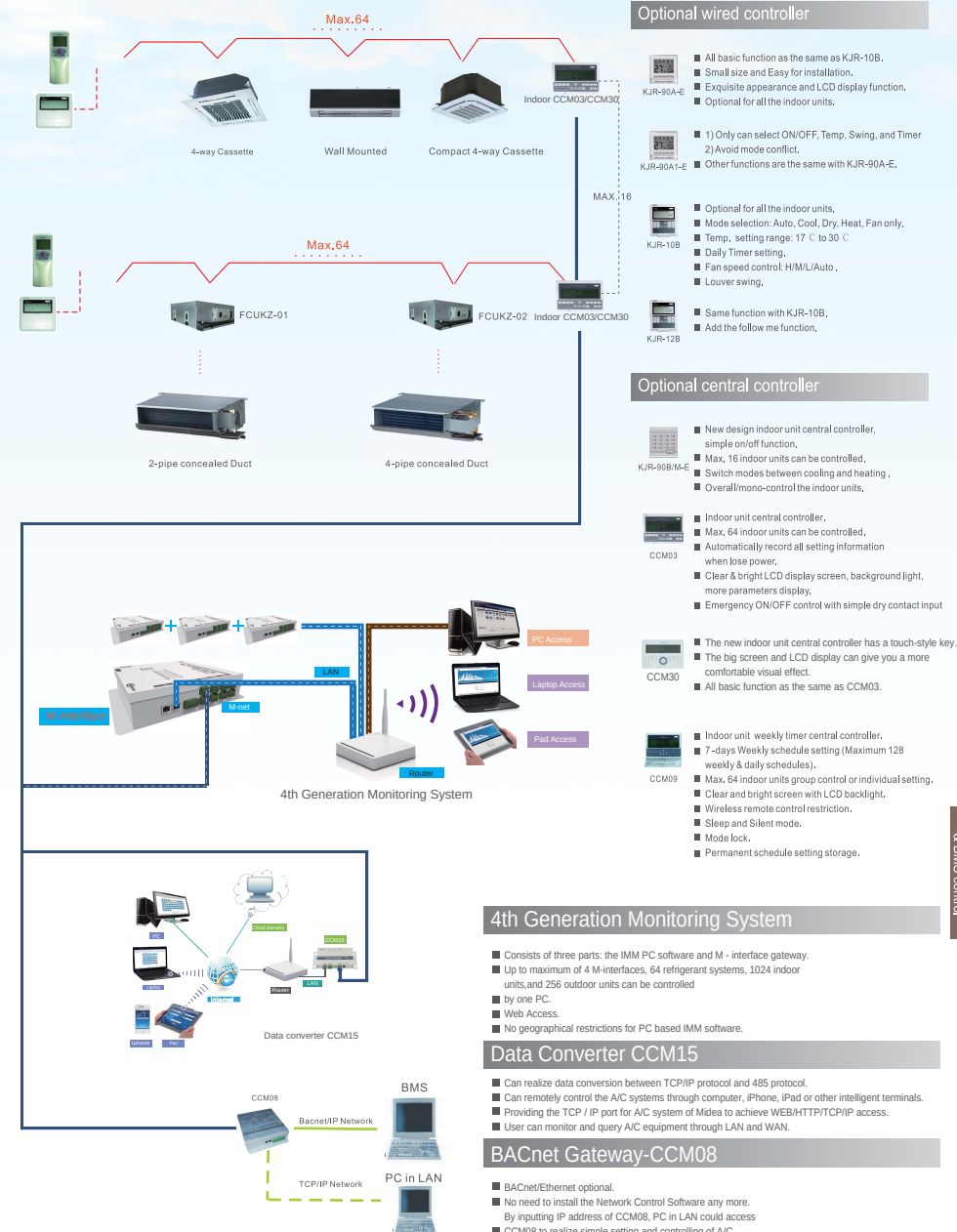


DDSTF-01

DDSTF-04  
DDSTF-05

| Model    | DN(mm) | Inner Screw Thread | 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) |

# Application of Central Control Software & BMS Control





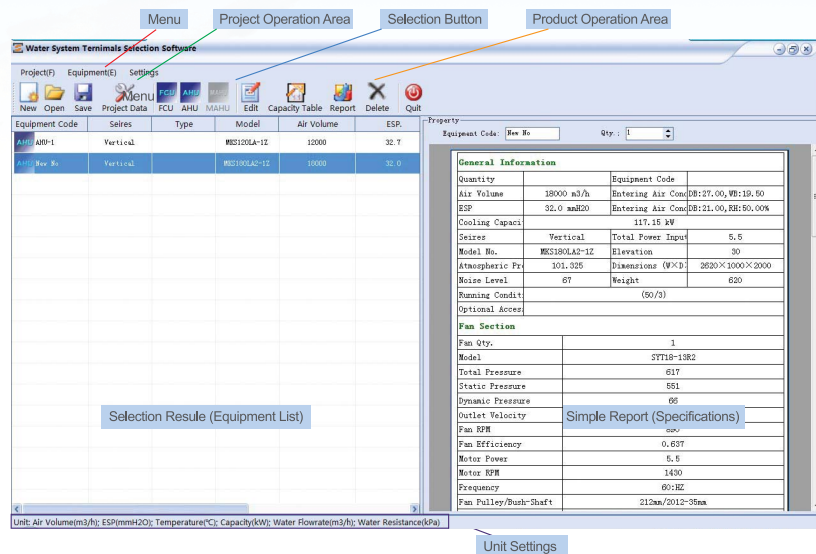
# Selection software

## Features

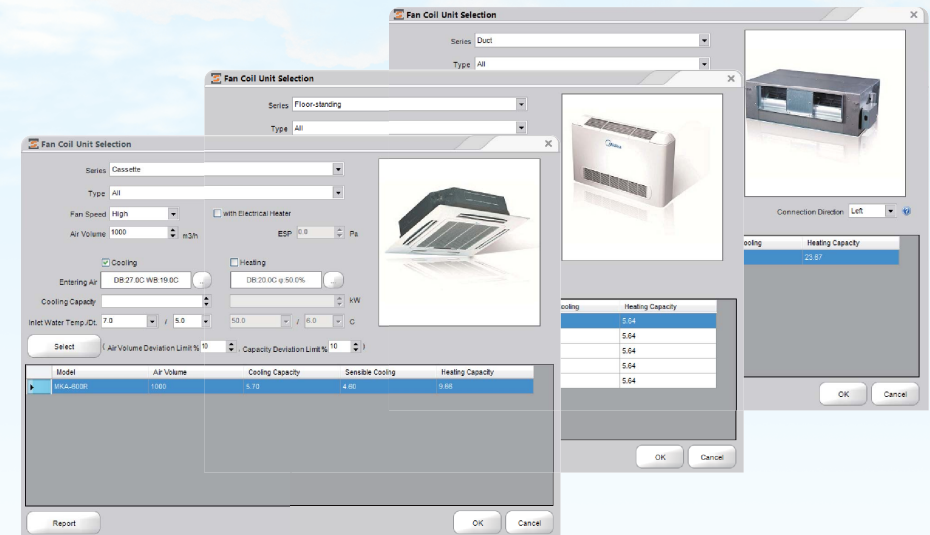


- You can make selections under varies entering air conditions, entering water conditions and different fan speed settings.
- The interface is very visualized, which makes the operation easy.
- Powerful project management function.

## Main interface



## Selection interface



## Report data interface

Capacity Table

Export

Setting

Print

Heating Conditions

Cooling Conditions

Exit

Cooling Capacity Table

Note: EWT=Entering Water Temperature, DT=Delta Temperature, FR=Flowrate, PD=Pressure Drop, TC=Total Cooling, SC=Sensible Cooling

MCA-60R

| EWT | Rate DT | 1000            |      |          |         |                 |      |          |         |                 |      |          |         |                 |      |          |         |                 |      |          |         |
|-----|---------|-----------------|------|----------|---------|-----------------|------|----------|---------|-----------------|------|----------|---------|-----------------|------|----------|---------|-----------------|------|----------|---------|
|     |         | DB 24.0 WB 17.0 |      |          |         | DB 25.0 WB 18.0 |      |          |         | DB 26.0 WB 19.0 |      |          |         | DB 27.0 WB 19.5 |      |          |         | DB 28.0 WB 21.0 |      |          |         |
|     |         | TC              | SC   | Water FR | Rate Pd | TC              | SC   | Water FR | Rate Pd | TC              | SC   | Water FR | Rate Pd | TC              | SC   | Water FR | Rate Pd | TC              | SC   | Water FR | Rate Pd |
| 5   | 3       | 5.86            | 4.5  | 1.68     | 72.97   | 6.48            | 4.68 | 1.86     | 87.85   | 7.12            | 4.85 | 2.04     | 103.22  | 7.3             | 5.05 | 2.09     | 108.57  | 7.96            | 4.97 | 2.29     | 128.96  |
| 5   | 4       | 5.6             | 4.39 | 1.21     | 37.63   | 6.23            | 4.57 | 1.34     | 45.74   | 6.88            | 4.74 | 1.48     | 54.08   | 7.02            | 4.93 | 1.51     | 66.45   | 7.64            | 4.84 | 1.64     | 66.95   |
| 5   | 5       | 5.28            | 4.24 | 0.91     | 21.47   | 5.91            | 4.43 | 1.02     | 26.39   | 6.56            | 4.61 | 1.13     | 31.47   | 6.72            | 4.8  | 1.16     | 33.08   | 7.32            | 4.76 | 1.26     | 39.6    |
| 6   | 3       | 5.43            | 4.31 | 1.56     | 63.02   | 6.06            | 4.49 | 1.74     | 76.99   | 6.71            | 4.87 | 1.92     | 91.43   | 6.89            | 4.87 | 1.97     | 96.71   | 7.56            | 4.81 | 2.16     | 116.24  |
| 6   | 4       | 5.14            | 4.19 | 1.1      | 32      | 5.77            | 4.37 | 1.24     | 39.55   | 6.43            | 4.55 | 1.38     | 47.35   | 6.62            | 4.76 | 1.42     | 50.17   | 7.25            | 4.68 | 1.56     | 60.22   |
| 6   | 5       | 4.85            | 4.06 | 0.84     | 18.33   | 5.49            | 4.25 | 0.95     | 22.91   | 6.15            | 4.44 | 1.06     | 27.64   | 6.3             | 4.63 | 1.09     | 29.09   | 6.96            | 4.57 | 1.2      | 35.55   |
| 7   | 3       | 4.99            | 4.12 | 1.43     | 63.64   | 5.62            | 4.31 | 1.61     | 66.56   | 6.27            | 4.45 | 1.79     | 79.9    | 6.44            | 4.69 | 1.84     | 84.44   | 7.11            | 4.63 | 2.03     | 102.97  |
| 7   | 4       | 4.68            | 3.99 | 1.01     | 28.88   | 5.32            | 4.18 | 1.14     | 33.78   | 5.96            | 4.37 | 1.28     | 40.69   | 6.18            | 4.59 | 1.33     | 43.68   | 6.83            | 4.52 | 1.47     | 53.47   |
| 7   | 5       | 4.38            | 3.86 | 0.75     | 15.23   | 5.03            | 4.06 | 0.87     | 19.48   | 5.71            | 4.25 | 0.98     | 23.85   | 5.86            | 4.45 | 1.01     | 25.19   | 6.5             | 4.39 | 1.12     | 31      |
| 8   | 3       | 4.23            | 3.93 | 1.3      | 44.94   | 5.17            | 4.12 | 1.48     | 56.87   | 5.93            | 4.31 | 1.67     | 69.17   | 6               | 4.51 | 1.72     | 73.42   | 6.68            | 4.46 | 1.91     | 90.97   |
| 8   | 4       | 4.22            | 3.8  | 0.91     | 22.19   | 4.87            | 4    | 1.05     | 28.52   | 5.54            | 4.19 | 1.19     | 35.08   | 5.74            | 4.4  | 1.24     | 37.71   | 6.36            | 4.34 | 1.37     | 46.38   |
| 8   | 5       | 3.91            | 3.67 | 0.67     | 12.39   | 4.57            | 3.88 | 0.78     | 16.25   | 5.26            | 4.08 | 0.9      | 20.24   | 5.45            | 4.29 | 0.94     | 21.79   | 6.09            | 4.23 | 1.05     | 27.2    |
| 9   | 3       | 4.07            | 3.74 | 1.17     | 36.99   | 4.73            | 3.94 | 1.35     | 47.93   | 5.4             | 4.13 | 1.54     | 59.24   | 5.58            | 4.34 | 1.6      | 63.5    | 6.24            | 4.29 | 1.78     | 79.3    |
| 9   | 4       | 3.78            | 3.62 | 0.81     | 18.16   | 4.42            | 3.81 | 0.95     | 23.77   | 5.08            | 4    | 1.09     | 29.57   | 5.27            | 4.22 | 1.13     | 31.82   | 5.92            | 4.17 | 1.27     | 40.14   |
| 9   | 5       | 3.65            | 3.63 | 0.61     | 10.27   | 4.17            | 3.71 | 0.71     | 13.63   | 4.91            | 3.9  | 0.82     | 16.9    | 4.99            | 4.11 | 0.86     | 18.26   | 5.63            | 4.06 | 0.97     | 23.26   |
| 10  | 3       | 3.65            | 3.57 | 1.06     | 29.96   | 4.26            | 3.75 | 1.22     | 39.1    | 4.89            | 3.93 | 1.14     | 48.02   | 5.12            | 4.16 | 1.17     | 53.5    | 5.8             | 4.12 | 1.66     | 68.62   |
| 10  | 4       | 3.42            | 3.42 | 0.73     | 14.94   | 4.01            | 3.65 | 0.86     | 19.52   | 4.62            | 3.82 | 0.99     | 24.37   | 4.81            | 4.04 | 1.04     | 26.52   | 5.46            | 4    | 1.17     | 34.25   |
| 10  | 5       | 3.12            | 3.12 | 0.54     | 8.04    | 3.69            | 3.53 | 0.63     | 10.67   | 4.28            | 3.69 | 0.73     | 13.41   | 4.5             | 3.92 | 0.78     | 14.85   | 5.18            | 3.9  | 0.89     | 19.67   |

Unit: Air Volume(m³/h), ESP(Pa), Temperature(°C), Capacity(kW), Water Flowrate(m³/h), Water Resistance(Pa)

1/1