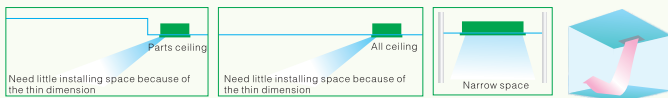




1-way cassette type fan coil unit

Characteristic

- 1-way air flowing, which is easy to be installed in the side of ceiling
- Thin design unit which can be installed in a limit ceiling (the thickness of unit is only 235mm)

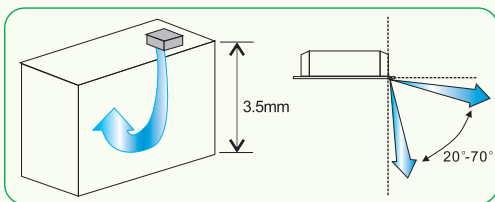


- Remote controller is standard and wire controller is optional



- Auto swing, Wide air flowing range

Wide air flowing range, the Max. height of space can be 3.5m, the flowing angle is Max. 50 degrees



- The wind guide bar of horizontal can be changed by manual.

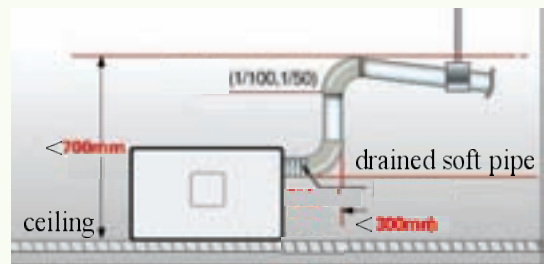


- Quiet running

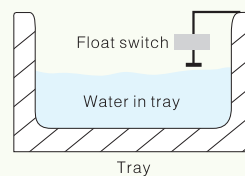
Double fan structure installed symmetrically, the unit running more stable



- High lift water drained pump (750mm), easy to plan the condensate drained pipe

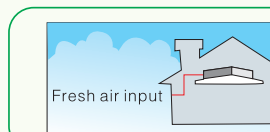


- Float switch inside to prevent from leaking



After the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

- Fresh air can be input from outside



Fresh air can be input
The unit offer a connection to input fresh air from outside, will improve the indoor environment

- Easy to be installed, Low installation cost

Comparing to the ceiling conceal ducted FCU, we do not need to install the air inlet and outlet, and also the ducted connection and insulation.

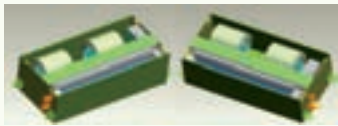


11、Fan and Fan motor is easy to maintain

12、Easily interfaced with most widely used BMS and proprietary supervisory system based on mod Bus protocol.



13、Left /right water tube connection can be selected



For example, when the FCU is used in hotel, we can select a correct pipe connection in order to reduce the job of water pipe installation, and also reduce the space demand for the pipe installing.

14、Negative ion generator is optional



Negative ion generator is optional to clean the air in a room.

15、4-tube system is optional



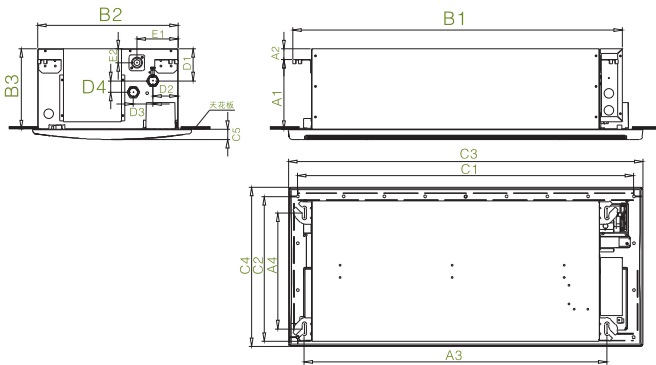
There are both cooling and heating water circle coil inside the unit, so the unit can deal with cooling or heating at the same time.
4-pipe system is always used in the place where need to deal with heating and cooling by refrigeration system at the same time. For example, a room need heating and another need cooling.
5-star hotel always use this kinds FCU.

16、Water valve can be installed inside the unit.

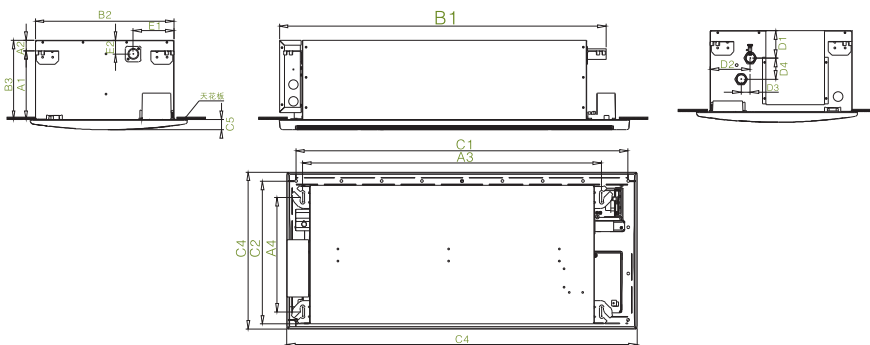
Water valve is used to control the on/off water flowing to the unit, we installed the valve into the unit, so the user do not need to installed it by themself.

Installing dimension

Left side water connection



Right side water connection



| Model | Annotation | Units | MFP-34KIM-Q2A1 |
|-----------------------------------|------------|-------|----------------|
| | | | MFP-51KIM-Q2A1 |
| | | | MFP-68KIM-Q2A1 |
| | | | MFP-85KIM-Q2A1 |
| distance from hook to ceiling | A1 | (mm) | 205-210 |
| distance from hook to top of unit | A2 | (mm) | 31 |
| hooks distance 1 | A3 | (mm) | 891 |
| hooks distance 2 | A4 | (mm) | 341 |
| length of unit | B1 | (mm) | 971 |
| width of unit | B2 | (mm) | 413 |
| thickness of unit | B3 | (mm) | 236 |
| length of opening of ceiling | C1 | (mm) | 990 |
| width of opening of ceiling | C2 | (mm) | 426 |
| length of panel | C3 | (mm) | 1044 |
| width of panel | C4 | (mm) | 468 |
| thickness of panel | C5 | (mm) | 31 |
| water pipe position 1 | D1 | (mm) | 94 |
| water pipe position 2 | D2 | (mm) | 74 |
| water pipe position 3 | D3 | (mm) | 57 |
| water pipe position 4 | D4 | (mm) | 34 |
| water drained pipe position 1 | E1 | (mm) | 122 |
| water drained pipe position 2 | E2 | (mm) | 41 |

| Model | Annotation | Units | MFP-34KIM-Q2A1 |
|-----------------------------------|------------|-------|----------------|
| | | | MFP-51KIM-Q2A1 |
| | | | MFP-68KIM-Q2A1 |
| | | | MFP-85KIM-Q2A1 |
| distance from hook to ceiling | A1 | (mm) | 205-210 |
| distance from hook to top of unit | A2 | (mm) | 31 |
| hooks distance 1 | A3 | (mm) | 891 |
| hooks distance 2 | A4 | (mm) | 341 |
| length of unit | B1 | (mm) | 974 |
| width of unit | B2 | (mm) | 413 |
| thickness of unit | B3 | (mm) | 236 |
| length of opening of ceiling | C1 | (mm) | 990 |
| width of opening of ceiling | C2 | (mm) | 426 |
| length of panel | C3 | (mm) | 1044 |
| width of panel | C4 | (mm) | 468 |
| thickness of panel | C5 | (mm) | 31 |
| water pipe position 1 | D1 | (mm) | 80 |
| water pipe position 2 | D2 | (mm) | 116 |
| water pipe position 3 | D3 | (mm) | 26 |
| water pipe position 4 | D4 | (mm) | 61 |
| water drained pipe position 1 | E1 | (mm) | 122 |
| water drained pipe position 2 | E2 | (mm) | 41 |



Professional, dedicated, expert

1-way cassette FCU performance
(2 tube system)

| Model (2 –tube system) | | | | MFP-34K1M-Q1AA1 | MFP-51K1M-Q1AA1 | MFP-68K1M-Q1AA1 | MFP-85K1M-Q1AA1 |
|-------------------------------|------------|-------------------|-------|--|-----------------|-----------------|-----------------|
| Model of unit | | | | MFP-34K1M-Q1A1 | MFP-51K1M-Q1A1 | MFP-68K1M-Q1A1 | MFP-85K1M-Q1A1 |
| Panel Type | | | | MB-SA11A1 | | | |
| Power supply | | | | 220V,50Hz,1Ph | | | |
| Air volume | H | m ³ /h | | 340 | 510 | 680 | 850 |
| | M | | 280 | 380 | 515 | 660 | |
| | L | | 180 | 260 | 340 | 430 | |
| Static pressure | | | Pa | 0 | 0 | 0 | 0 |
| Cooling capacity | TH | H | W | 1800 | 2700 | 3600 | 4500 |
| | | | BTU/h | 6142 | 9212 | 12283 | 15354 |
| | | | W | 1300 | 1970 | 2700 | 3185 |
| | SH | M | BTU/h | 4436 | 6722 | 9212 | 10867 |
| | | | W | 1500 | 2460 | 3000 | 3715 |
| | | | W | 1000 | 1555 | 1995 | 2420 |
| TH | L | W | 1390 | 2057 | 2479 | 2920 | |
| | | W | 823 | 1200 | 1530 | 1825 | |
| Heating capacity | H | | W | 2700 | 4050 | 5400 | 6750 |
| | M | | W | 1950 | 2770 | 3935 | 4900 |
| | L | | W | 1290 | 1774 | 2800 | 3505 |
| Noise | High speed | dB(A) | 37 | 39 | 41 | 43 | |
| Power input | High speed | W | 37 | 52 | 62 | 76 | |
| Waterflow volume | High speed | m ³ /h | 0.31 | 0.46 | 0.62 | 0.77 | |
| Pressure dropping | | | kPa | 10.8 | 10.8 | 20 | 20 |
| Water tube connection(inlet) | | | | ZG3/4" | ZG3/4" | ZG3/4" | ZG3/4" |
| Water tube connection(outlet) | | | | ZG3/4" | ZG3/4" | ZG3/4" | ZG3/4" |
| Coil | | | Type | Hydrophilic aluminum fin to wear copper tube | | | |
| Max.working pressure | | | MPa | 1.6 | 1.6 | 1.6 | 1.6 |
| Condensing water pipe | | | mm | φ 26 | φ 26 | φ 26 | φ 26 |
| Net dimension | Unit | L × W × H | mm | 971 × 413 × 236 | | | |
| | Panel | | | 1044 × 468 × 31 | | | |
| Net weight | Unit | kg | | 22 | 22 | 23 | 23 |
| | Panel | | | 4 | | | |

1-way cassette FCU performance
(4 tube system)

| Mode(4-tube system) | | | | MFP-34K1M4-Q1AA1 | MFP-51K1M4-Q1AA1 | MFP-68K1M4-Q1AA1 | MFP-85K1M4-Q1AA1 |
|-------------------------------|--------------|-------------------|----------------------|--|------------------|------------------|------------------|
| Model of unit | | | | MFP-34K1M4-Q1A1 | MFP-51K1M4-Q1A1 | MFP-68K1M4-Q1A1 | MFP-85K1M4-Q1A1 |
| Panel Type | | | | MB-SA11A1 | | | |
| Power supply | | | | 220V,50Hz,1Ph | | | |
| Air volume | H | m ³ /h | | 340 | 510 | 680 | 850 |
| | M | | 280 | 380 | 515 | 660 | |
| | L | | 180 | 260 | 340 | 430 | |
| Static pressure | | | Pa | Pa | Pa | Pa | Pa |
| Cooling capacity | TH | H | W | 1350 | 2030 | 2700 | 3380 |
| | | | BTU/h | 4606 | 6926 | 9212 | 11533 |
| | | | W | 1000 | 1520 | 2080 | 2450 |
| | SH | M | BTU/h | 3412 | 5186 | 7097 | 8359 |
| | | | W | 1130 | 1850 | 2250 | 2790 |
| | | | W | 770 | 1200 | 1540 | 1860 |
| TH | L | W | 1040 | 1540 | 1860 | 2190 | |
| | | W | 630 | 920 | 1180 | 1410 | |
| Heating capacity | H | | W | 1080 | 1620 | 2160 | 2700 |
| | M | | W | 780 | 1108 | 1574 | 1960 |
| | L | | W | 516 | 710 | 1120 | 1402 |
| Noise | High speed | dB(A) | 37 | 39 | 41 | 43 | |
| Power input | High speed | W | 37 | 52 | 62 | 76 | |
| Waterflow volume | High speed | Cooling coil | m ³ /h | 0.23 | 0.35 | 0.46 | 0.58 |
| | | Heating coil | | 0.09 | 0.14 | 0.19 | 0.23 |
| Pressure dropping | Cooling tube | | kPa | 7 | 7.3 | 13 | 14.6 |
| | Heating tube | | | 4.2 | 4.4 | 7.5 | 8.7 |
| Water tube connection(inlet) | | | Cooling/heating tube | ZG3/4" | ZG3/4" | ZG3/4" | ZG3/4" |
| Water tube connection(outlet) | | | Cooling/heating tube | ZG3/4" | ZG3/4" | ZG3/4" | ZG3/4" |
| Exchanger | | | Type | Hydrophilic aluminum fin to wear copper tube | | | |
| Max.working pressure | | | MPa | 1.6 | 1.6 | 1.6 | 1.6 |
| Condensing water pipe | | | mm | φ 26 | φ 26 | φ 26 | φ 26 |
| Net dimension | Unit | L × W × H | mm | 971 × 413 × 236 | | | |
| | Panel | | | 1044 × 468 × 31 | | | |
| Net weight | Unit | kg | | 22 | 22 | 23 | 23 |
| | Panel | | | 4 | | | |