

FAN COIL UNIT

PRODUCTS DESCRIPTION

-
- > The expert of Fan coil unit
 - > The expert of OEM/ODM manufacturer
- >> >>>>



The expert of cassette type air conditioner/FCU
The expert of OEM/ODM manufacturer

► INSTRUCTION of MECO

Established in 2007, Taizhou MECO Refrigeration Equipment Co., Ltd is a manufacturer which has comprehensive competitiveness in the technology, producing and services of commercial air conditioner.

MECO is located in Taizhou City, Zhejiang, China, with about 13,000 square meters plant. We have 3 sets of automatic air conditioning assembly lines, matched high-performance enthalpy difference test lab, water-cooled performance test station, air-conditioning inspection and other testing equipments, and also 70 sets of accessory machining equipments.

MECO focus on the producing of fan coil unit, Our products include cassette fan coil (1-way, 4-way, 8-way style), Ultra thin vertical fan coil, Universal fan coil, high wall mounted FCU, etc. we produce almost all kind of fan coil which is popular in the field.

Focus on high quality product, we are doing OEM for more than 100 famous central air conditioner enterprises in China and over the world. At the same time, our products with MECO marks was sold successfully to more than 30 countries and regions, including the EU, South America, Middle East, Southeast Asia etc.



May 2007, the company started to produce cassette-type fan coil and cassette air conditioner;

November 2008, the company got the production permit of FCU;

December 2009, the company successfully passed the ISO9001: 2008 quality certification;

March 2010, MECO start to produce the new version (5th) cassette type fan coil;

May, 2011, MECO start to produce universal fan coil;

April, 2012, MECO start to produce the cassette FCU with DC motor;

December, 2014, MECO design and produce the ultra thin FCU (130mm thickness) with both DC and AC motor,

September, 2016, M style cassette FCU was successful trial productio;

April, 2017, thin style ceiling conceal duct fan coil (200mm) put into market;

August, 2018, MECO start the producing of B style ceiling conceal duct fan FCU (7mm coil and higher performance);

March, 2019, E style ultra thin ceiling duct fan coil (200mm) put into market, all FCU series finish the DC motor design ;

January, 2021, MECO got the title of national high tech enterprise of China;

Nowadays, we are doing our best to build a outstanding brand in China. We will keep focusing on the development strategy of "differences in development", continue to adhering to the management concept of "keep improvement, innovation forever", and constantly reinforce the product quality, creating a new prospect.





Enterprise culture of MECO

Enterprise spirit:

trustworthy,enterprising,created,harmonious

Operating conception:

differences in development strategy-professional, dedicated,expert

Management conception:

keep improvement, innovation forever

Service conception:

Customer's trifle is Mecos event.

Meco's vision,mission and core value

Vision: Become a reliable partner

Mission:pursuing perfect products,supplying professional sevice

Core value:

Loyal&harmonious、 diligent&enterprising

Quality first、 customer satisfaction

Trustworthy operating、 win-win transaction

Loving our work、 exploiting innovation

Meco's core competence

Credibility, cohesion, rapid response, learning ability, creativity



CONTENTS

[Http://www.china-meco.com](http://www.china-meco.com)



Instruction of MECO	-----	1
Enterprise culture	-----	2
Products list of MECO	-----	4
Cassette type fan coil unit	-----	6
1-way cassette type fan coil unit	-----	7
4-way cassette type fan coil unit (drained pump inside) M style	-----	10
Surround air flowing type fan coil (G style)	-----	14
Decorative 4-side air flowing type fan coil unit	-----	17
high wall mounted type fan coil unit	-----	21
Ceiling floor type fan coil unit	-----	23
Ceiling conceal ducted type fan coil unit	-----	26
K style slim ceiling conceal ducted type fan coil unit	-----	30
Slim ceiling conceal ducted type fan coil unit	-----	32
High static pressure ducted type fan coil unit	-----	34
High static pressure ducted type fan coil unit (HAW serior)	-----	37
Universal type fan coil unit	-----	39
Ultra thin vertical type fan coil unit	-----	42
Slim ducted type fan coil unit	-----	45
Vertical ducted conceal type fan coil unit	-----	47
DC brushless motor type fan coil unit	-----	49
DC3 style fan coil unit	-----	50
DCV style fan coil unit	-----	51

Products list of Meco

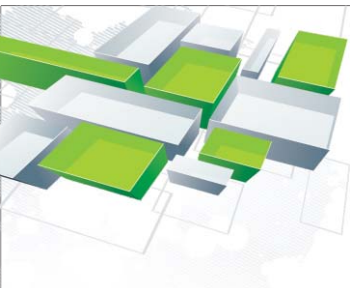
Fan coil unit

Type	Model	m ³ /h	340	510	680	800	850	1020	1360	1530	1700	2040	2380	2720	3060	3400	4080	DC motor (0-10V)	DC motor (3 speed)
		cfm	200	300	400	470	500	600	800	900	1000	1200	1400	1600	1800	2000	2400	optional	
Cassette type	1-way with drained pump		✓	✓	✓		✓												●
	4-way without drained pump (M style)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				●	●
	4-way with drained pump (M style)		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				●	●
	surround air flowing style (G style)						✓	✓	✓		✓	✓	✓						●
Decorative 4-side air flowing type	4-side air flowing with drained pump (F style)				✓		✓							✓	✓				●
	4-side air flowing drained by nature (F style)				✓		✓							✓	✓				●
High wall mounted type	standard type		✓	✓	✓		✓	✓	✓										
Ceiling floor type	Standard type			✓	✓		✓	✓	✓		✓	✓	✓						
Ceiling conceal ducted type	12/30/50/65Pa		✓	✓	✓		✓	✓	✓		✓	✓	✓					●	●
Ceiling conceal ducted type slim style-E style	12Pa			✓	✓	✓	✓	✓	✓	✓								●	●
Ceiling conceal ducted type slim style-K style	12/30Pa		✓	✓	✓		✓	✓	✓		✓								●
high static pressure ducted type	120Pa										✓	✓	✓					●	
high static pressure ducted type (HAW series)	120Pa							✓			✓	✓	✓	✓	✓	✓	✓	●	
Universal type (with casing)	12/30/50Pa		✓	✓	✓		✓	✓	✓		✓	✓	✓					●	●
Universal conceal type (without casing)	12/30/50Pa		✓	✓	✓		✓	✓	✓		✓	✓	✓					●	●
Vertical ducted type	60Pa						✓	✓			✓	✓						●	

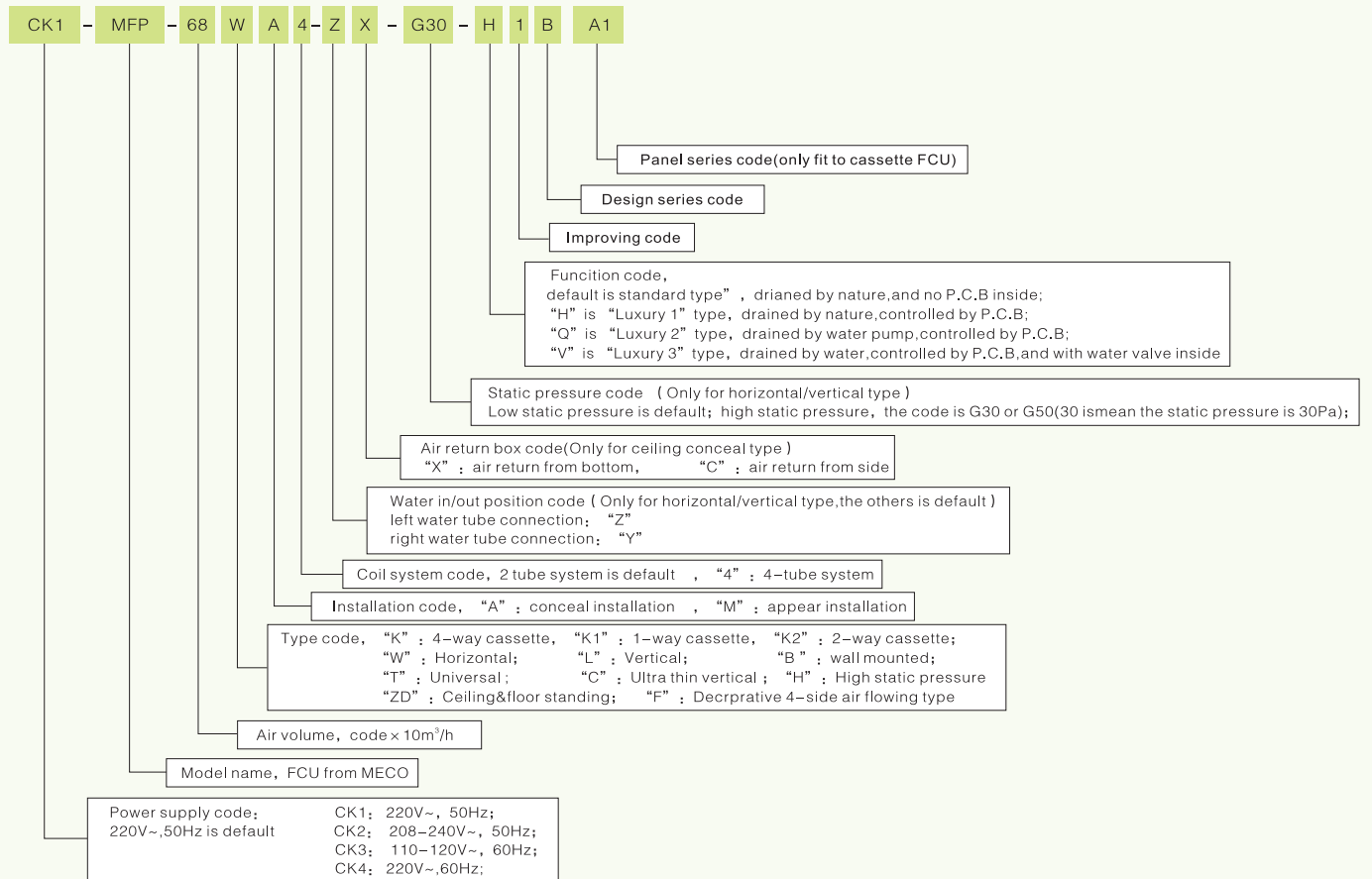
Type	Model	m ³ /h	200	300	400	500	DC motor (0-10V)
Ultra thin vertical fan coil unit (with casing)			✓	✓	✓	✓	●
Ultra thin vertical conceal fan coil unit (without casing)			✓	✓	✓	✓	●

FCU types





Model naming of FCU



Testing condition

2-tube system

1. cooling testing condition;

Entering air temperature: Dry bulb 27°C, Wet bulb 19.5°C

Entering/out water temperature: 7°C / 12°C

Heating

Entering air temperature: 21°C

Entering water temperature: 60°C, Same water flow rate as for the cooling.

4-tube system

Cooling

Entering air temperature: Dry bulb 27°C, Wet bulb 19.5°C

Entering/out water temperature: 7°C / 12°C

Heating

Entering air temperature: 21°C

Entering/out water temperature: 60°C / 50°C

Cassette type fan coil unit



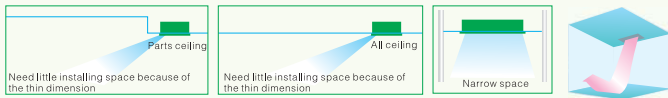


1-way cassette type fan coil unit

> Characteristic

1、1-way air flowing, which is easy to be installed in the side of ceiling

2、Thin design unit which can be installed in a limit ceiling (the thickness of unit is only 235mm)

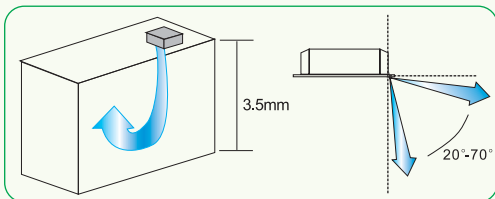


3、Remote controller is standard and wire controller is optional



4、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



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

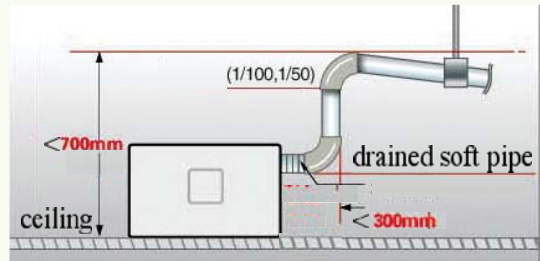


6、Quiet running

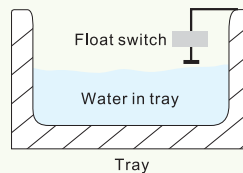
Double fan structure installed symmetrically, the unit running more stable



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

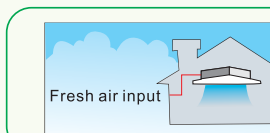


8、Float switch inside to prevent from leaking



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.

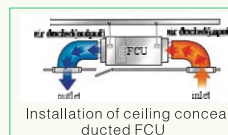
9、Fresh air can be inputed from outside



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

10、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.

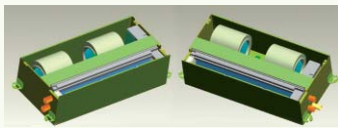


11、Fan and Fan motor is easy to maintain

12、Easily interfaced with most widely used Mod-bus and proprietary supervisory system based on Mod-Bus protocol.

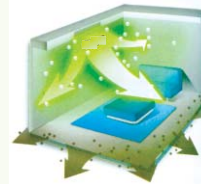


13、Left /right water tube connection can be selected



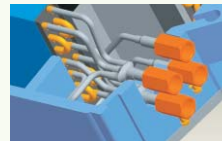
For example, when the FCU is used in hotel, we can select a correct pipe connection in order to reduce the job of water pipe installation, and also reduce the space demand for the pipe installing.

14、Negative ion generator is optional



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

15、4-tube system is optional



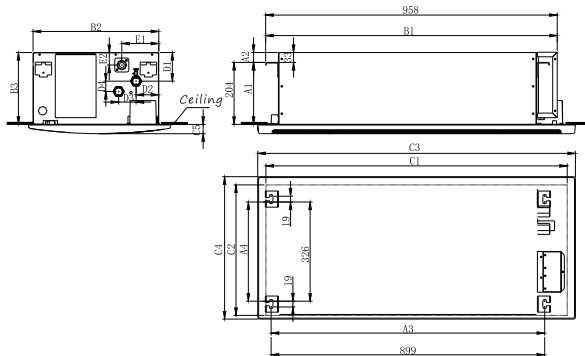
There are both cooling and heating water circle coil inside the unit, so the unit can deal with cooling or heating at the same time. 4-pipe system is always used in the place where need to deal with heating and cooling by refrigeration system at the same time. For example, a room need heating and another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

16、Water valve can be installed inside the unit.

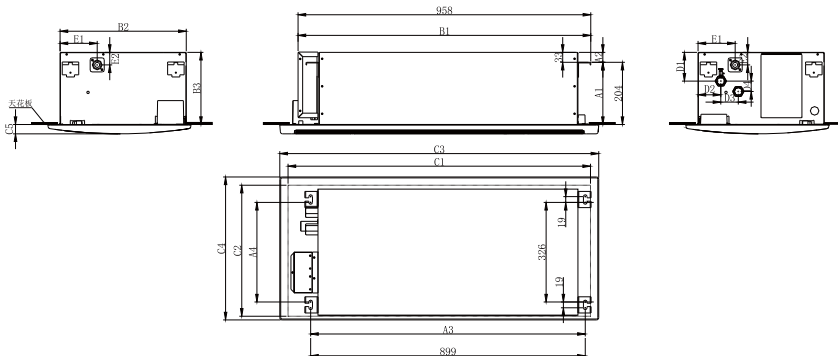
Water valve is used to control the on/off water flowing to the unit, we installed the valve into the unit, so the user do not need to installed it by themself.

▶ Installing dimension

Left side water connection

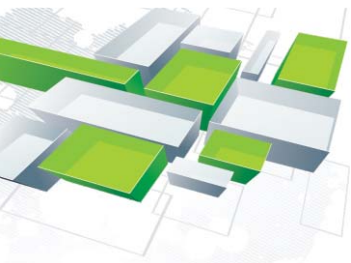


Right side water connection



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)	899
hooks distance 2	A4	(mm)	326
length of unit	B1	(mm)	958
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)	899
hooks distance 2	A4	(mm)	326
length of unit	B1	(mm)	958
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



MECO

CASSETTE TYPE FAN COIL UNIT

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	
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	
		W	2700	4050	5400	6750	
Heating capacity	M	W	1950	2770	3935	4900	
	L	W	1290	1774	2800	3505	
	High speed	dB(A)	43	45	46	47	
Power input	High speed	W	37	50	62	73	
Waterflow volume	High speed	m ³ /h	0.31	0.46	0.62	0.77	
Pressure dropping			kPa	16	18	20	22
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	958 × 413 × 236	958 × 413 × 236	958 × 413 × 236	958 × 413 × 236
	Panel			1044 × 468 × 31			
Net weight	Unit	kg	19.4	19.4	20.5	20.5	
	Panel	kg	4				

1-way cassette FCU performance (2 tube system)

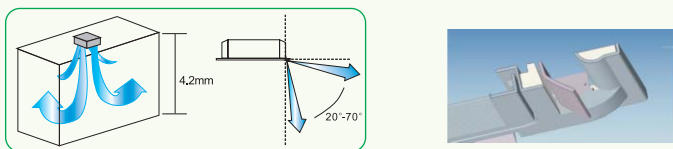
Mode(4-tube system)				MFP-34K1M4-Q1AA1	MFP-51K1M4-Q1AA1	MFP-68K1M4-Q1AA1	MFP-85K1M4-Q1AA1
Model of unit				MFP-34K1M4-Q1A1	MFP-51K1M4-Q1A1	MFP-68K1M4-Q1A1	MFP-85K1M4-Q1A1
Panel Type				MB-SA11A1			
Power supply				220V,50Hz,1Ph			
Air volume	H	m ³ /h	340	510	680	850	
	M		280	380	515	660	
	L		180	260	340	430	
Static pressure			Pa	0	0	0	
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	
		W	1080	1620	2160	2700	
Heating capacity	M	W	780	1108	1574	1960	
	L	W	516	710	1120	1402	
	High speed	dB(A)	43	45	46	47	
Power input	High speed	W	37	50	62	73	
Waterflow volume	High speed	Cooling coil	m ³ /h	0.23	0.35	0.46	0.58
		Heating coil	m ³ /h	0.09	0.14	0.19	0.23
Pressure dropping	Cooling tube		kPa	20	20	20	20
	Heating tube		kPa	10	10	10	10
Water tube connection(inlet)			Cooling/heating tube	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"
Water tube connection(outlet)			Cooling/heating tube	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"
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	958 × 413 × 236	958 × 413 × 236	958 × 413 × 236	958 × 413 × 236
	Panel			1044 × 468 × 31			
Net weight	Unit	kg	21	21	22	22	
	Panel	kg	4				

1-way cassette FCU performance (4 tube system)

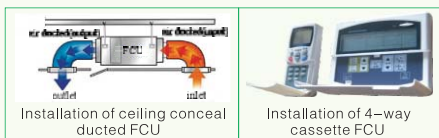


▶ Characteristic

1、 4-way air flowing, which can uniform temperature distribution in the room



- 2、 Specially design to avoid the air-short flowing;
- 3、 Thin design unit which can be installed in a limit ceiling (the Min. thickness is 240mm)
- 4、 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.



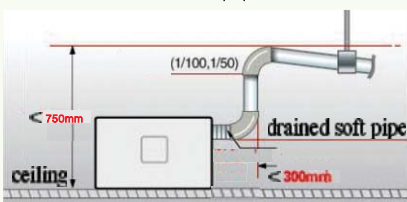
5、 Remote controller is standard and wire controller is optional



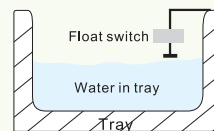
- 6、 Auto swing
 - 7、 Quiet running
- Using advanced 3D software to design the centrifugal fan with streamline and big diameter turbine.
The efficiency of airflow rate, heavy wind volume and low noise is excellent. Because the ventilator wheel is processed to sine strip seam, which enhances its flexibility, and drops the vibration of ventilator during revolving in large scale, simultaneously reduced the motor noise caused by ventilator swinging.



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



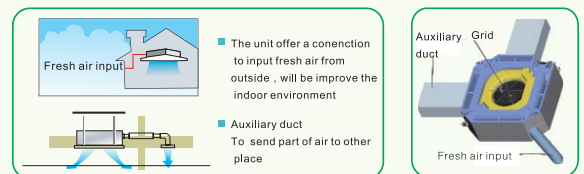
9、 Float switch inside to prevent from leaking



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.

10、 Fresh air can be inputed from outside

Fresh air inlet can import some fresh wind from outside, and ensure the quality of indoor air.
Thus, the consumer can share the fresh and clean air to lessen illness caused by air conditione



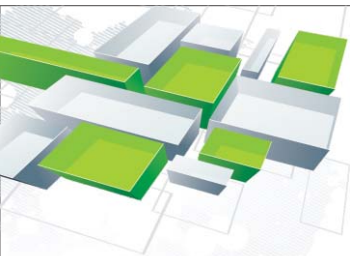
11、 Auxiliary duct is available to send part of air to other place, in order to improve indoor temperature/air quality

12、 "C" type heat exchanger, blue fin

"C" type exchanger is helpful to improve the well-distributed of terminal air duct and refrigerate system, make the efficiency of multi flow more even and it reduced the probable of system leak.

Blue fin extremely reduced the coagulate water detained in the aluminum flake, so it reduce the wind resistance, improved the efficiency of heat exchanger.





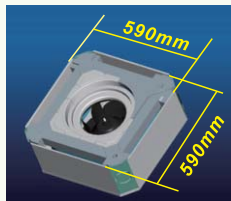
13、The water remain in the tray is easy to drained by manual.

There are a rubber plug on the water collecting tray,we can drained out the dirty water by manual.
Because the water remained inside the tray will keep for a long time, then there will be very dirty and there might be lots bacterial inside too,draining out the dirty water is benifit to the health and also reduce the possible of pump blocking.

14、Square panels ,which can choose the direction of inlet/outlet water connection freely

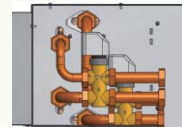
15、Fan and fan motor is easy to maintain

After take out the air grid of the panel,we can easily take out the eletric box,then the fan



16、The dimension of M1 unit is only 590×590mm, which can be installed in a standard ceiling opening.

17、 Easily interfaced with most widely used BMS and proprietary supervisory system based on Mod- Bus protocol.



18、 Water valve can be installed outside the unit(optional).

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

19、 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.
4pipe systme 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.



▶ Dc motor is optional

Excellent performance——

Optional brushless DC motor, high efficiency and energy saving

Panasonic brushless plastic package DC motor is optional.
High working efficiency, but energy efficiency is over 50% lower than the average motor.

Long working life:

With plastic package, the humidity and dust will not easily access to the inner motor.

High electrical efficiency, low temperature rise and slow aging of internal components.

More controller is optional:

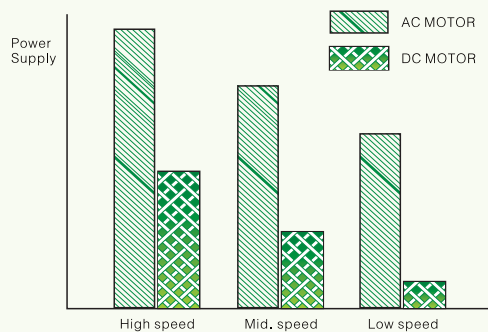
0-10V stepless thermostat can be connected
3 speed thermostat can be connected



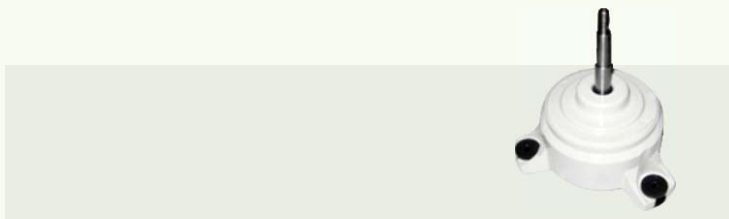
0-10V thermostat



3 speed thermostat

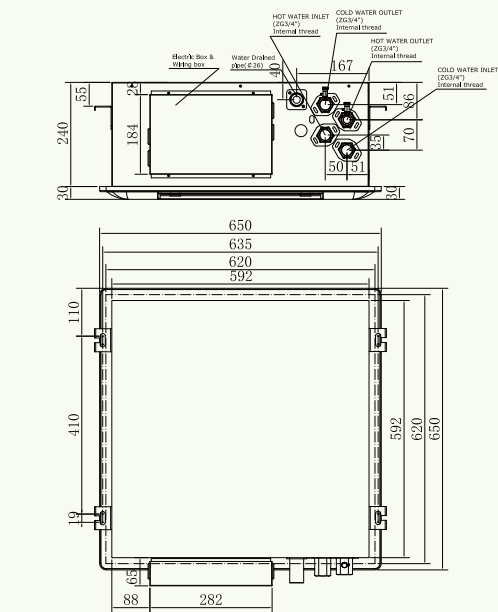


Remarkable energy conservation
The input power of high speed is about 50% of the constant speed motor.
The input power of medium speed is about 30% of the constant speed motor.
The input power of low speed is about 20% of the constant speed motor.

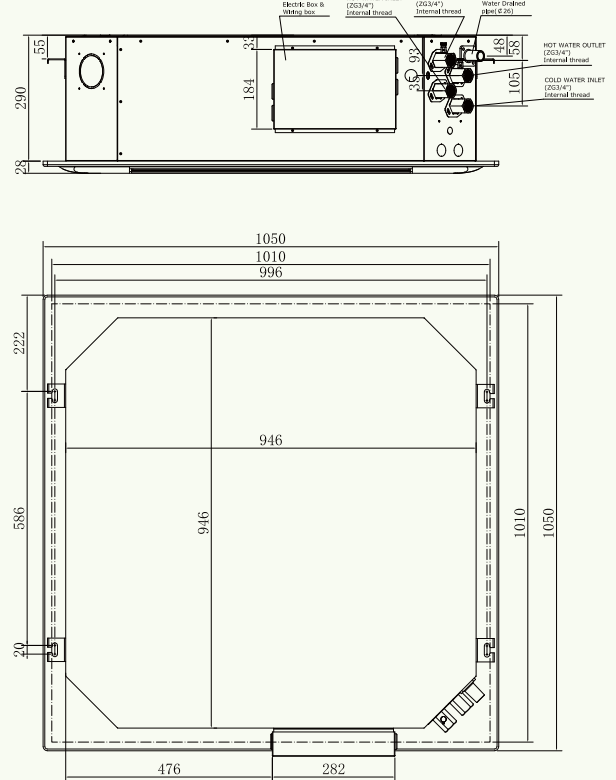
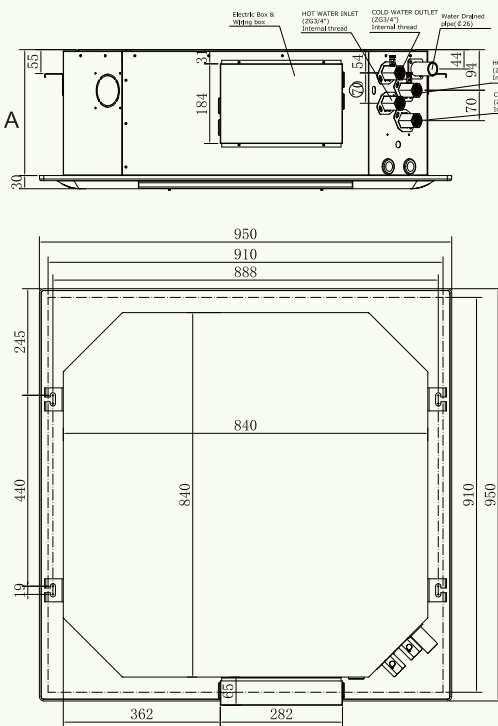
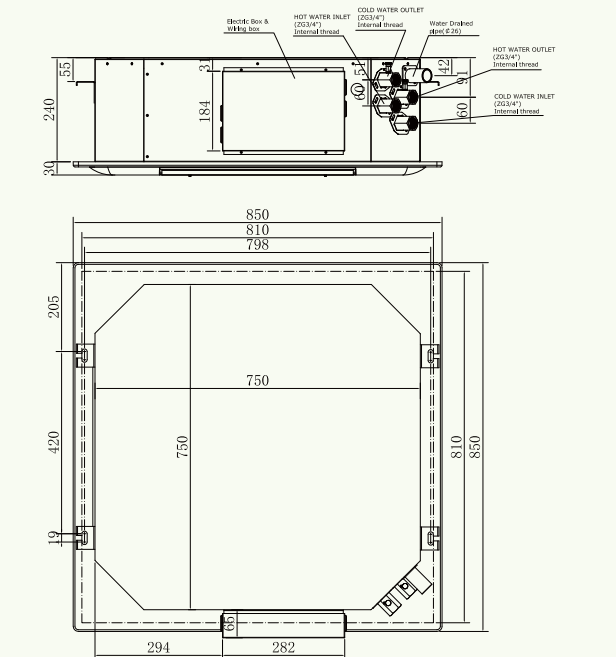


▶ Installing dimension

Model
 MFP-34KM(4)-Q2MM1
 MFP-51KM(4)-Q2MM1
 MFP-68KM(4)-Q2MM1



Model
 MFP-85KM(4)-Q2MM2
 MFP-102KM(4)-Q2MM2



Model	A
MFP-136KM(4)-Q2MM3	240
MFP-170KM(4)-Q2MM3	290
MFP-204KM(4)-Q2MM3	290
MFP-238KM(4)-Q2MM3	290

Model
 MFP-272KM(4)-Q2MM4

4-way cassette FCU performance
(2 tube system)

Model (2-tube system)		MFP-34KM-(Q)MM1	MFP-51KM-(Q)MM1	MFP-68KM-(Q)MM1	MFP-85KM-(Q)MM2	MFP-102KM-(Q)MM2	MFP-136KM-(Q)MM3	MFP-170KM-(Q)MM3	MFP-204KM-(Q)MM3	MFP-238KM-(Q)MM3	MFP-272KM-(Q)MM4		
Model of unit		FP-34KM-(Q)M1	FP-51KM-(Q)M1	FP-68KM-(Q)M1	FP-85KM-(Q)M2	FP-102KM-(Q)M2	FP-136KM-(Q)M3	FP-170KM-(Q)M3	FP-204KM-(Q)M3	FP-238KM-(Q)M3	FP-272KM-(Q)M4		
Panel Type		MB-SD11M1			MB-SD11M2		MB-SD11M3			MB-SD11M4			
Power supply		220V,50Hz,1Ph											
Air volume	H	380	550	680	880	1050	1380	1750	2050	2200	2720		
	M	300	440	540	700	840	1100	1400	1640	1760	2040		
	L	230	330	410	530	630	830	1050	1230	1320	1360		
Static pressure	Pa	0	0	0	0	0	0	0	0	0	0		
	W	2000	3000	3800	4900	5800	7500	9800	11000	12000	15000		
Cooling capacity	TH	H	BTU/h	6824	10236	12966	16719	19790	25590	33438	37532	40944	51180
			W	1400	2200	2850	3500	4250	5500	7150	8250	9100	11175
		SH	BTU/h	4777	7506	9724	11942	14501	18766	24396	28149	31049	38129
			W	1700	2550	3250	4150	4950	6400	8350	9350	10200	12450
	M	TH	W	1150	1800	2350	2850	3500	4550	5950	6850	7650	9560
			L	1400	2050	2600	3400	4000	5200	6750	7600	8300	10300
		SH	W	950	1400	1850	2300	2800	3600	4700	5450	6000	8400
			L	1100	1550	2000	2500	3000	3800	4900	5650	6200	8600
Heating capacity	H	W	3100	4700	5900	7600	9000	11600	15200	17100	18600	2400	
	M	W	2650	4000	5000	6450	7650	9850	12900	14550	15800	19900	
	L	W	2100	3150	3950	5100	6050	7750	10200	11450	12450	15200	
Noise	High speed	dB(A)	38	40	42	42	44	46	47	50	51	53	
Power input	High speed	W	40	50	58	70	95	130	160	190	210	230	
Waterflow volume	High speed	m ³ /h	0.34	0.51	0.65	0.83	0.99	1.28	1.67	1.87	2.04	2.55	
Pressure dropping	High speed	kPa	11	13	22	18	25	23	28	33	42	45	
Water tube connection(inlet)	High speed		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Water tube connection(outlet)	High speed		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	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	1.6	1.6	1.6	1.6	1.6	1.6		
Condensing water pipe	mm	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26		
Net dimension	Drained by pump	L x W x H mm	590 × 590 × 242			750 × 750 × 242		840 × 840 × 242		840 × 840 × 292		946 × 946 × 292	
	Panel	L x W x H mm	650 × 650 × 40			850 × 850 × 40		950 × 950 × 40		1050 × 1050 × 40			
Net weight	Drained by pump	kg	17	18	18	22	23	29	26	27	27	32	
	Panel	kg	2.2			4.2		5			6		

4-way cassette FCU performance
(4 tube system)

Model (4-tube system)		MFP-34KM4-(Q)MM1	MFP-51KM4-(Q)MM1	MFP-68KM4-(Q)MM1	MFP-85KM4-(Q)MM2	MFP-102KM4-(Q)MM2	MFP-136KM4-(Q)MM3	MFP-170KM4-(Q)MM3	MFP-204KM4-(Q)MM3	MFP-238KM4-(Q)MM3	MFP-272KM4-(Q)MM4		
Model of unit		FP-34KM4-(Q)M1	FP-51KM4-(Q)M1	FP-68KM4-(Q)M1	FP-85KM4-(Q)M2	FP-102KM4-(Q)M2	FP-136KM4-(Q)M3	FP-170KM4-(Q)M3	FP-204KM4-(Q)M3	FP-238KM4-(Q)M3	FP-272KM4-(Q)M4		
Panel Type		MB-SD11M1			MB-SD11M2		MB-SD11M3			MB-SD11M4			
Power supply		220V,50Hz,1Ph											
Air volume	H	360	520	650	840	1000	1320	1660	1950	2090	2720		
	M	290	420	510	670	800	1050	1330	1560	1670	2040		
	L	220	310	390	500	600	790	1000	1170	1250	1360		
Static pressure	Pa	0	0	0	0	0	0	0	0	0	0		
	W	1950	2950	3700	4800	5700	7350	9600	10800	11750	13200		
Cooling capacity	TH	H	BTU/h	6700	10050	12700	16400	19400	25100	32750	36800	40150	45040
			W	1350	2150	2800	3450	4150	5400	7000	8100	8900	10000
		SH	BTU/h	4700	7350	9550	11700	14200	18400	23900	27600	30450	34120
			W	1650	2500	3200	4050	4850	6250	8200	9150	10000	11000
	M	TH	W	1150	1750	2300	2800	3450	4450	5850	6700	7500	9532
			L	1350	2000	2550	3350	3900	5100	6600	7450	8150	9100
		SH	W	950	1350	1800	2250	2750	3550	4600	5350	5900	6600
			L	1100	1550	2000	2500	3000	3800	4900	5650	6200	8600
Heating capacity	H	W	1950	3000	3750	4850	5750	7400	9700	10900	11850	13500	
	M	W	1700	2550	3200	4100	4850	6250	8200	9250	10050	11200	
	L	W	1350	2000	2500	3250	3850	4950	6500	7300	7950	8750	
Noise	High speed	dB(A)	39	41	43	43	45	46	48	51	52	53	
Power input	High speed	W	40	50	58	70	95	130	160	190	210	230	
Waterflow volume	High speed	Cool	0.33	0.5	0.64	0.81	0.97	1.25	1.64	1.83	2	2.2	
		Heat	0.22	0.33	0.42	0.54	0.64	0.82	1.08	1.21	1.32	1.5	
Pressure dropping	High speed	Cool	11	13	22	18	25	23	28	33	42	42	
		Heat	7	8	13	11	15	15	19	23	26	30	
Water tube connection(inlet)	High speed		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)	High speed		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	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	1.6	1.6	1.6	1.6	1.6	1.6		
Condensing water pipe	mm	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26		
Net dimension	Drained by pump	L x W x H mm	590 × 590 × 242			750 × 750 × 242		840 × 840 × 242		840 × 840 × 292		946 × 946 × 292	
	Panel	L x W x H mm	650 × 650 × 40			850 × 850 × 40		950 × 950 × 40		1050 × 1050 × 40			
Net weight	Drained by pump	kg	19	20	20	24.5	25.5	27.5	29.5	29.5	30	33	
	Panel	kg	2.2			4.2		5			6		



'G' style

Surround air flow type fan coil unit
(Drained pump inside)

Characteristic

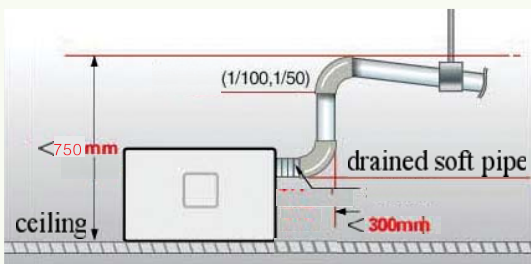
- 1、Surround Air flowing (8-way), there wind can arrive every where in the room(fit model 600/800/1000/1200/1400cfm)



- 2、Fashion designs, the panel is beautiful and elegant
- 3、Thin design unit which can be installed in a limit ceiling (the Min. thickness is 240mm)
- 4、Remote controller is standard and wire controller is optional

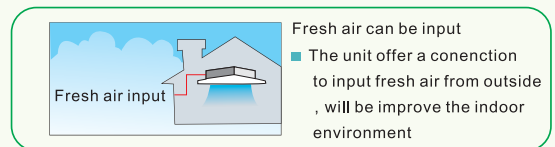


- 5、Quiet running
Because adopt bigger diameter fan, we can reduce the running speed of the fan, which will cause to lower noise.
- 6、High lift water drained pump (750mm), easy to plan the Condensate drained pipe



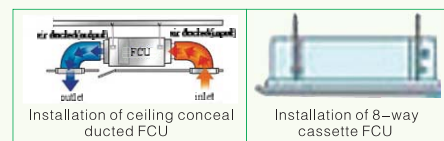
- 7、Auto swing
- 8、Float switch inside to prevent from leaking

- 9、Fresh air can be inputed from outside



- 10、Negative ion generator is optional
- 11、The water remain in the tray is easy to drained by manual.
There are a rubber plug on the water collecting tray, we can drained out the dirty water by manual.
Because the water remained inside the tray will keep for a long time, then there will be very dirty and there might be lots bacterial inside too, draining out the dirty water is benefit to the health and also reduce the possible of pump blocking.

- 12、Easy to be installed, Low installation cost



- 13、Fan and fan motor is easy to maintain
- 14、Square panels ,which can choose the direction of inlet/outlet water connection freely
- 15、Corner cover design makes installation and maintian conveniently.
- 16、Easily interfaced with most widely used BMS and proprietary supervisory system based on mod Bus protocol.



- 17、Water valve can be installed inside the unit(optional).
- 18、Stainless steel hose can be installed to the unit and act as the inlet/outlet water connection of the unit(optional)
- 19、4-tube system is optional

➤ Dc motor is optional

Excellent performance

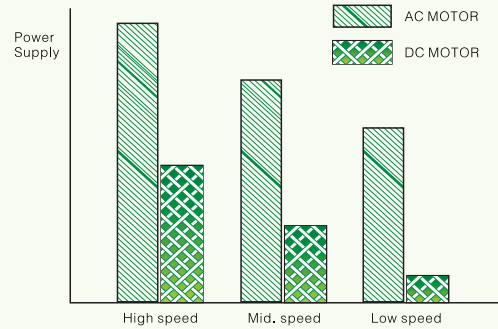
Optional brushless DC motor, high efficiency and energy saving

Panasonic brushless plastic package DC motor is optional. High working efficiency, but energy efficiency is over 50% lower than the average motor.

Long working life:

With plastic package, the humidity and dust will not easily access to the inner motor.

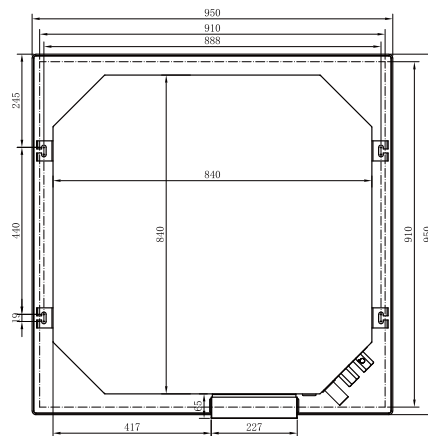
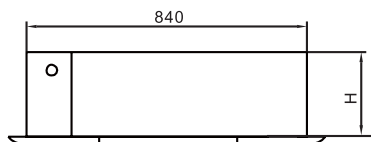
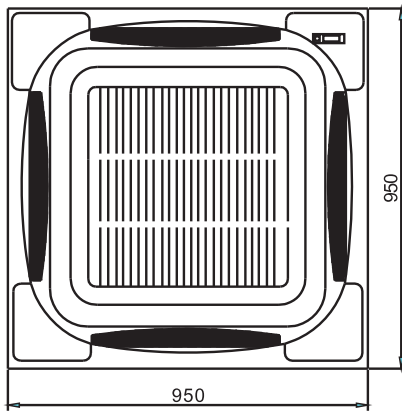
High electrical efficiency, low temperature rise and slow aging of internal components.



Remarkable energy conservation

The input power of high speed is about 50% of the constant speed motor. The input power of medium speed is about 30% of the constant speed motor. The input power of low speed is about 20% of the constant speed motor.

➤ Installing dimension



thick ness	FP-85KM-QGG3	FP-170KM-QGG3
	FP-102KM-QGG3	FP-204KM-QGG3
	FP-136KM-QGG3	FP-238KM-QGG3
H	242	292

unit: mm

Model (2 –tube system)			MFP-85KM-(Q)GG3	MFP-102KM-(Q)GG3	MFP-136KM-(Q)GG3	MFP-170KM-(Q)GG3	MFP-204KM-(Q)GG3	MFP-238KM-(Q)GG3			
Model of unit			FP-85KM-(Q)G3	FP-102KM-(Q)G3	FP-136KM-(Q)G3	FP-170KM-(Q)G3	FP-204KM-(Q)G3	FP-238KM-(Q)G3			
Panel Type			MB-SA01G3								
Power supply			220V,50Hz,1Ph								
Air volume	H	m ³ /h	880	1050	1380	1750	2050	2200			
	M		700	840	1100	1400	1640	1760			
	L		530	630	830	1050	1230	1320			
Cooling capacity	TH	H	Pa	0	0	0	0	0			
			W	4900	5800	7500	9800	11000	12000		
			BTU/h	16719	19790	25590	33438	37532	40944		
	SH	H	W	3500	4250	5500	7150	8250	9100		
			BTU/h	11942	14501	18766	24396	28149	31049		
			TH	M	W	4150	4950	6400	8350	9350	10200
	SH	W			2850	3500	4550	5950	6850	7650	
	TH	W			3400	4000	5200	6750	7600	8300	
	SH	L	W	2300	2800	3600	4700	5450	6000		
Heating capacity			H	W	7600	9000	11600	15200	17100	18600	
					M	W	6450	7650	9850	12900	14550
	L	W					5100	6050	7750	10200	11450
Noise			High speed	dB(A)			42	45	46	48	50
					Power input	W	70	85	125	150	190
	Waterflow volume	m ³ /h					0.83	0.99	1.28	1.67	1.87
Pressure dropping			kPa	21			24	26	35	36	42
				Water tube connection(inlet)	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
	Water tube connection(outlet)	ZG3/4"			ZG3/4"	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	1.6	1.6		
	Condensing water pipe			mm	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	
Net dimension		unit			L x W x H mm	840 x 840 x 242			840 x 840 x 292		
			Net weight			Panel	kg	950 x 950 x 45			
	24.3			24.6				25	28	28	30
6											

Surround air flow FCU performance (2 tube system)

Model (4 –tube system)			MFP-85KM4-(Q)GG3	MFP-102KM4-(Q)GG2	MFP-136KM4-(Q)GG3	MFP-170KM4-(Q)GG3	MFP-204KM4-(Q)GG3	MFP-238KM4-(Q)GG3			
Model of unit			FP-85KM4-(Q)G3	FP-102KM4-(Q)G2	FP-136KM4-(Q)G3	FP-170KM4-(Q)G3	FP-204KM4-(Q)G3	FP-238KM4-(Q)G3			
Panel Type			MB-SA01G3								
Power supply			220V,50Hz,1Ph								
Air volume	H	m ³ /h	840	1000	1320	1660	1950	2090			
	M		670	800	1050	1330	1560	1670			
	L		500	600	790	1000	1170	1250			
Cooling capacity	TH	H	Pa	0	0	0	0	0			
			W	4800	5700	7350	9600	10800	11750		
			BTU/h	16400	19400	25100	32750	36800	40150		
	SH	H	W	3450	4150	5400	7000	8100	8900		
			BTU/h	11700	14200	18400	23900	27600	30450		
			TH	M	W	4050	4850	6250	8200	9150	10000
	SH	W			2800	3450	4450	5850	6700	7500	
	TH	W			3350	3900	5100	6600	7450	8150	
	SH	L	W	2250	2750	3550	4600	5350	5900		
Heating capacity			H	W	4850	5750	7400	9700	10900	11850	
					M	W	4100	4850	6250	8200	9250
	L	W					3250	3850	4950	6500	7300
Noise			High speed	dB(A)			42	45	46	48	50
					Power input	W	70	85	125	150	190
	Waterflow volume	High speed					Cool	m ³ /h	0.84	0.97	1.25
Heat			0.51	0.64					0.82	1.08	1.21
			Pressure dropping	Cool	kPa	21			24	26	35
	Heat	10				13	15	19	23	26	
Water tube connection(inlet)		ZG3/4"				ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
		Water tube connection(outlet)	ZG3/4"	ZG3/4"	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	1.6	1.6		
		Condensing water pipe		mm	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	
	Net dimension		unit		L x W x H mm	840 x 840 x 242			840 x 840 x 292		
Net weight						Panel	kg	950 x 950 x 40			
		27		27.3				27.6	30.6	31.7	31.7
	6										

Surround air flow FCU performance (4 tube system)

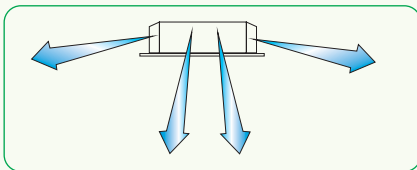
Decorative 4-side air flowing type fan coil unit



Decorative 4-side air flowing fan coil unit characteristic

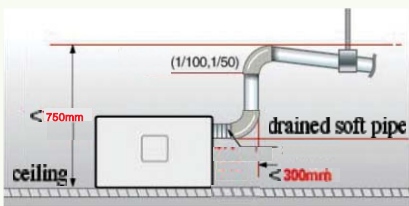
1、 Customizable metal grille air inlet design, easy to fit with the decoration

2、 4-side air flowing , which can uniform temperature distribution in the room



3、 Condensate water drain pump is optional

High lift water drained pump (750/1200mm), easy to plan the

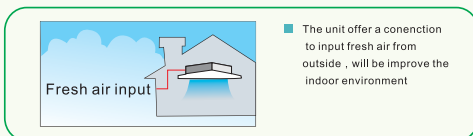


4、 All the key parts are easy to maintain from the air inlet grille;

5、 Quiet running
Using advanced 3D software to design the centrifugal fan with streamline and big diameter turbine.
The efficiency of airflow rate, heavy wind volume and low noise is excellent. Because the ventilator wheel is processed to sine strip seam, which enhances its flexibility, and drops the vibration of ventilator during revolving in large scale, simultaneously reduced the motor noise caused by ventilator swinging.



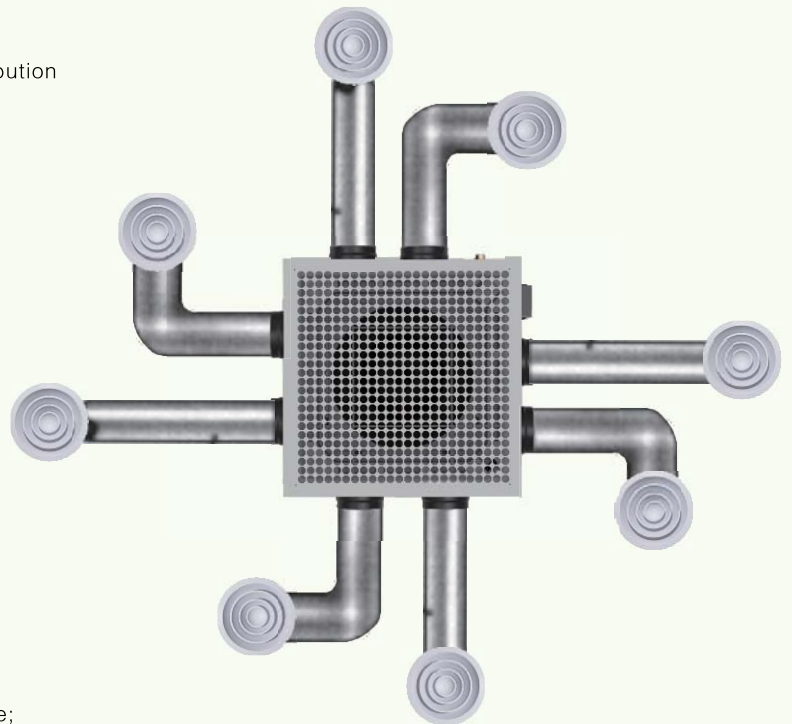
6、 Fresh air can be input from outside



7、 Electrostatic dust sanitiser is optional (Drained by nature style)



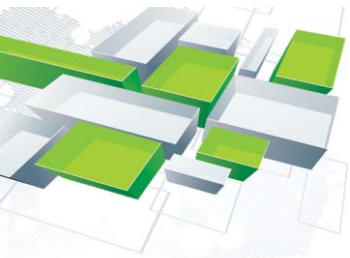
8、 Can connect to duct and link with diffuser



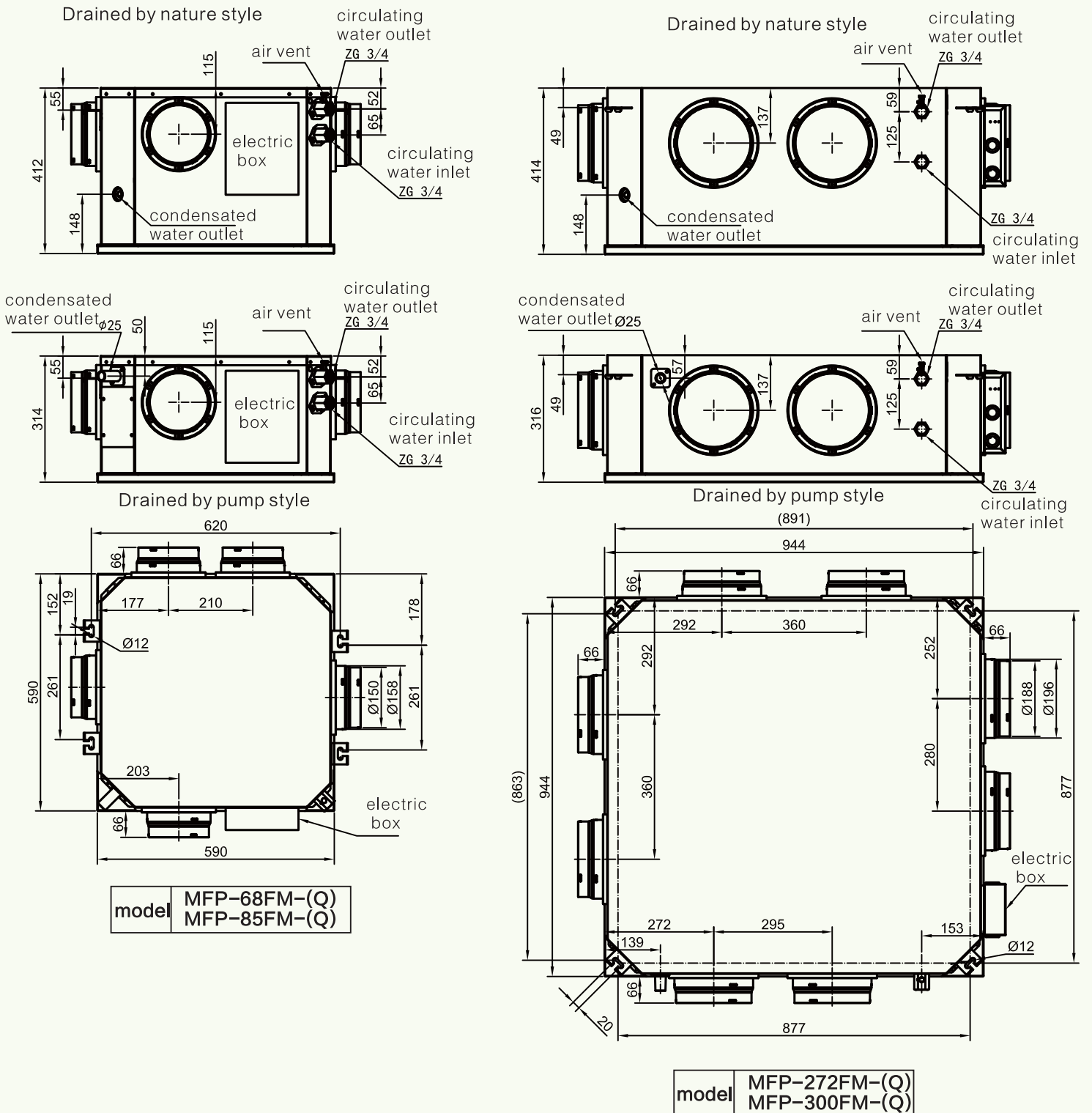
9、 The models(272/300) with big air volume is fitable for the projects which have big space

Low installation cost ;





Installing dimension



4-side air flowing fan performance
(2 tube system)

Model (2 -tube system)			MFP-68FM-(Q)	MFP-85FM-(Q)	MFP-272FM-(Q)	MFP-300FM-(Q)	
Power supply			220V,50Hz,1Ph				
Air volume	H	m³/h	680	850	2720	3000	
	M		520	660	2040	2300	
	L		370	430	1360	1600	
Static pressure			0	0	0	0	
Cooling capacity	TH	H	W	3800	4700	15000	17000
			BTU/h	11940	14767	47130	53414
		SH	W	2830	3500	11175	12665
			BTU/h	9660	11950	38129	43212
	TH	M	W	3080	3800	12150	13770
			W	2430	3000	9600	10878
		SH	W	2400	2960	9450	10710
			W	1950	2430	7749	8782
Heating capacity	H	W	5700	7050	22500	25500	
	M	W	4400	5430	17300	19600	
	L	W	3450	4260	13600	15400	
Noise	High speed	dB(A)	41	43	53	54	
Power input	High speed	W	58	65	180	193	
Waterflow volume	High speed	m³/h	0.65	0.81	2.58	2.92	
Pressure dropping	High speed	kPa	22	28	51	58	
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					
Net dimension	Drained by pump	L×W×H mm	590*590*314		944*944*316		
	Drained by nature	L×W×H mm	590*590*412		944*944*414		
Net weight	Drained by pump	kg	20		41		
	Drained by nature	kg	21.5		43		

4-side air flowing fan performance
(4 tube system)

Model (4 -tube system)			MFP-68FM4-(Q)	MFP-85FM4-(Q)	MFP-272FM4-(Q)	MFP-300FM4-(Q)	
Power supply			220V,50Hz,1Ph				
Air volume	H	m³/h	680	850	2720	3000	
	M		520	660	2040	2300	
	L		370	430	1360	1600	
Static pressure			0	0	0	0	
Cooling capacity	TH	H	W	3800	4700	15000	17000
			BTU/h	11940	14767	47130	53414
		SH	W	2830	3500	11175	12665
			BTU/h	9660	11950	38129	43212
	TH	M	W	3080	3800	12150	13770
			W	2430	3000	9600	10878
		SH	W	2400	2960	9450	10710
			W	1950	2430	7749	8782
Heating capacity	H	W	3700	4580	14630	16580	
	M	W	3010	3720	11900	13480	
	L	W	2300	2840	9060	10300	
Noise	High speed	dB(A)	41	43	53	54	
Power input	High speed	W	58	65	180	193	
Waterflow volume	High speed	Cool	0.65	0.81	2.58	2.92	
	High speed	Heat	0.32	0.4	1.26	1.47	
Pressure dropping	High speed	Cool	22	28	51	58	
	High speed	Heat	16	21	32	35	
Water tube connection(inlet)	Cooling and heating coil		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Water tube connection(outlet)	Cooling and heating coil		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					
Net dimension	Drained by pump	L×W×H mm	590*590*314		944*944*316		
	Drained by nature	L×W×H mm	590*590*412		944*944*414		
Net weight	Drained by pump	kg	21.5		43		
	Drained by nature	kg	23		45		



HIGH WALL MOUNTED TYPE FAN COIL UNIT

- 1: Digital display panel
- 2: Remote controller
- 3: Stainless steel hose, let the water connection easily (optional)
- 4: Power down memory function



Performance

High wall mounted FCU standard type

Model (2 -tube system)			MFP-34BM-C	MFP-51BM-C	MFP-68BM-C	MFP-85BM-C	MFP-102BM-C	MFP-136BM-C	
Power supply			220V,50Hz,1Ph						
Air volume	H	m ³ /h	340	510	680	850	1020	1360	
	M		260	380	515	650	765	1010	
	L		180	260	340	43	520	700	
Static pressure		Pa	0	0	0	0	0	0	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200
			BTU/h	6142	9212	12283	15354	18425	24566
			W	1350	2025	2700	3375	4050	5400
	SH	H	BTU/h	4606	6909	9212	11516	13819	18424
			W	1476	2214	2952	3690	4428	5904
			W	978	1399	1963	2409	3044	3926
	TH	M	W	1098	1647	2196	2745	3294	4392
			W	649	960	1355	1715	2060	2710
			W	2700	4050	5400	6750	8100	10800
Heating capacity	M	W	2146	3219	4293	5366	6439	8586	
		W	1512	2268	3024	3780	4536	6048	
		W	0.31	0.46	0.62	0.77	0.93	1.24	
Noise	High speed	dB(A)	0.31	0.46	0.62	0.77	0.93	1.24	
Power input	High speed	W	12	14	17	18	22.5	23.5	
Waterflow volume	High speed	m ³ /h	57	67	74	82	55	65	
Pressure dropping		kPa	86	100	110	122	83	97	
Water tube connection(inlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	
Water tube connection(outlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	
Coil		Type	Hydrophilic aluminum fin to wear copper tube						
Maximum working pressure		MPa	1.6	1.6	1.6	1.6	1.6	1.6	
Condensing water pipe		mm	φ 16	φ 16	φ 16	φ 16	φ 16	φ 16	
Net dimension	L×W×H	mm	850X300X198	850X300X198	970X315X235	970X315X235	1100X330X235	1100X330X235	
Net weight		kg	11	11	15	15	20	20	

Ceiling floor type fan coil unit



Characteristic

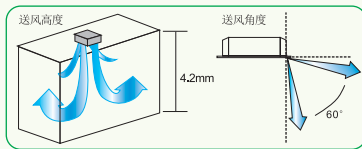
- 1、 Classical elegant design
- 2、 Can be installed by ceiling mounted, floor standing or wall mounted



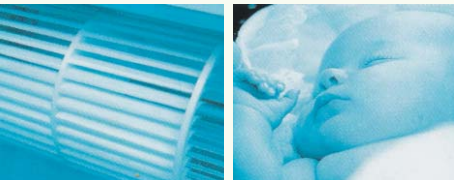
- 3、 Remote controller is standard and wire controller is optional



- 4、 Wide air flowing range



- 5、 Auto swing
- 6、 Quiet running



- 7、 Stainless steel hose can be installed as inlet/outlet water connection(optional)

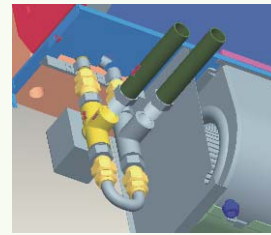


- 8、 Easily interfaced with most widely used BMS and proprietary supervisory system based on mod Bus protocol.



- 9、 Water valve can be installed inside the unit(optional).

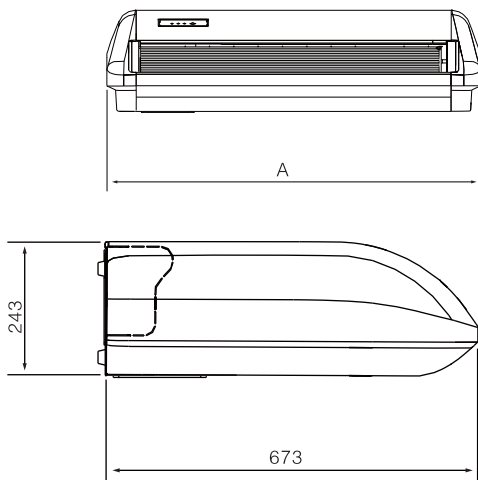
Water valve is used to control the on/off water flowing to the unit, we installed the valve into the unit, so the user do not need to installed it by themself.



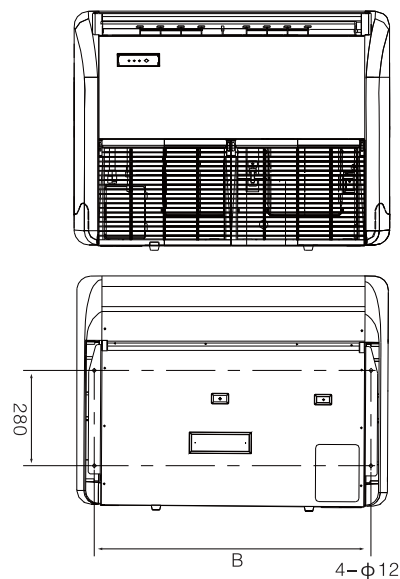
- 10、 4-tube system is optional

Installing dimension

Unit: mm



Connect pipe site



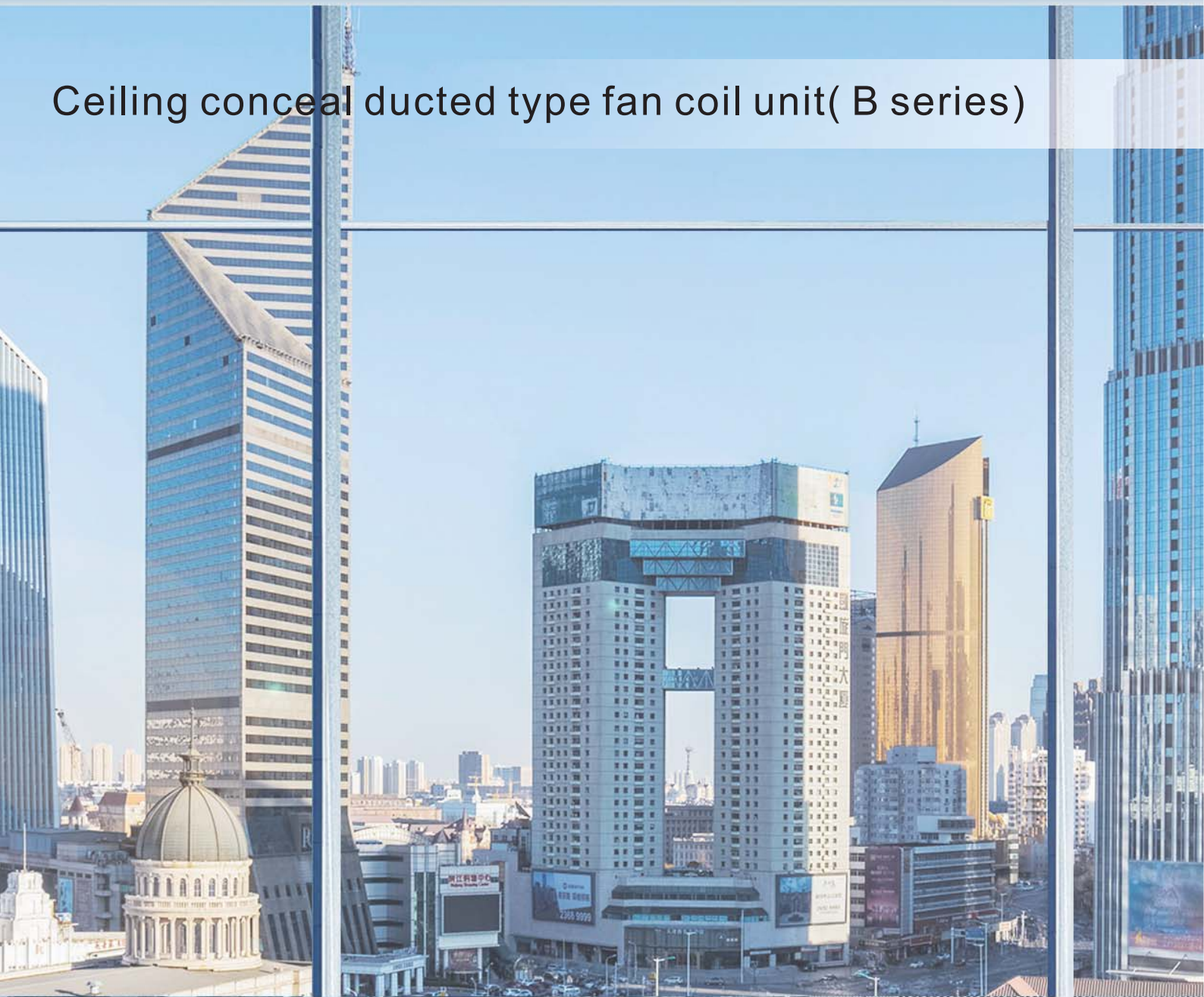
Model	FP-51 / 68 / 85/ZDM	FP-102 / 136/ZDM	FP-170 / 204 / 238/ZDM
A	905	1288	1672
B	801	1184	1568

▶ Performance

Ceiling&floor type FCU(2-tube system)

Model(2-tube system)			MFP-51ZDM	MFP-68ZDM	MFP-85ZDM	MFP-102ZDM	MFP-136ZDM	MFP-170ZDM	MFP-204ZDM	MFP-238ZDM	
Power supply			220V,50Hz,1Ph								
Air volume	H	m ³ /h	510	680	850	1020	1360	1700	2040	2380	
	M		380	515	660	765	1040	1280	1550	1800	
	L		260	340	430	530	710	860	1050	1280	
Static pressure		Pa	0	0	0	0	0	0	0	0	
Cooling capacity	TH	H	W	2700	3600	4500	5400	7200	9000	10800	12600
			BTU/h	9212	12283	15354	18425	24566	30708	36850	42991
			W	1990	2730	3174	4261	5385	6746	8109	9062
	SH	M	BTU/h	6790	9315	10830	14539	18374	23017	27668	30920
			W	2485	3030	3752	4467	6499	7926	9389	10605
			W	1571	2015	2450	3071	4278	5447	6669	7262
	TH	L	W	2078	2504	2950	3831	5660	7295	8619	8989
			W	1212	1545	1844	2397	3317	4460	5300	5555
			W	4050	5400	6750	8100	10800	13500	16200	18900
Heating capacity	H	W	2792	3970	4941	5740	7987	10557	13101	14011	
	M		1788	2801	3533	3907	5464	7048	8714	9778	
	L										
Noise	High speed	dB(A)	39	41	43	45	46	48	50	51	
Power input	High speed	W	52	62	76	96	134	152	189	228	
Waterflow volume	High speed	m ³ /h	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
	Pressure dropping	kPa	11.8	13.6	21	23	25	32	33	38	
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Water tube connection(outlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Coil		Type	Hydrophilic aluminum fin to wear copper tube								
Maximum working pressure		MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
Condensation pipe size (diameter)		mm	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	
Net dimension		LxWxH	905×673×243			1288×673×243			1672×673×243		
Net weight		kg	26	28	30	38	40	42	45	45	

Ceiling conceal ducted type fan coil unit(B series)



Characteristic

1、 Fan

Our fans are made by international professional fan manufacture with stable quality and reliable character with routine dynamic balance precise debug.
Fan runs stably and quietly.

2、 Water collection tray

Tensile plate with high-grade, smooth surface spray, corrosion resistance, anti-rust;
One-time stamping molding process, without weld or solder joint;

Adopt the overall thermal insulation, in order to avoid secondary condensate drip tray;

Two-way diversion mouth slope shape design, condensate water speed, reduce the water remain inside the tray, effectively reduce the rate of bacterial growth; large condensate tray designed to eliminate surface cooler and access to water dripping outside the interface of the phenomenon of condensation

3、 Heat exchanger

Hydrophilic aluminum fin to wear high quality copper tube, high heat exchanging efficiency, large heat exchanging area, low pressure dropping, large cooling and heating capacity.

High quality material copper can support big water pressure.

4、 Air return box is optional, which can ease installation, reducing construction cost

5、 Integrated models

Air volume from 340 to 2380m³/h, include 9 models and also different static pressure type;

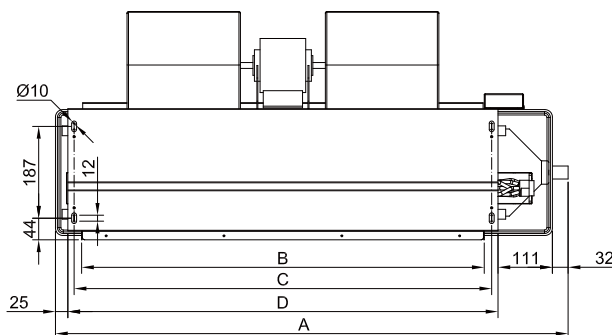
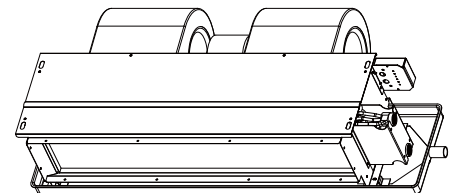
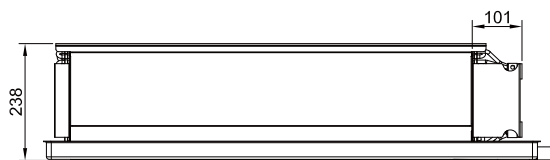
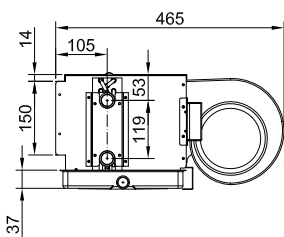
6、 High efficiency

Adopt good quality heat exchanger and fan, which is benefit to the heat exchanging capacity and efficiency

7、 Symmetrical design, easy installation

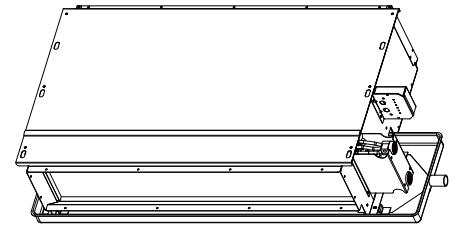
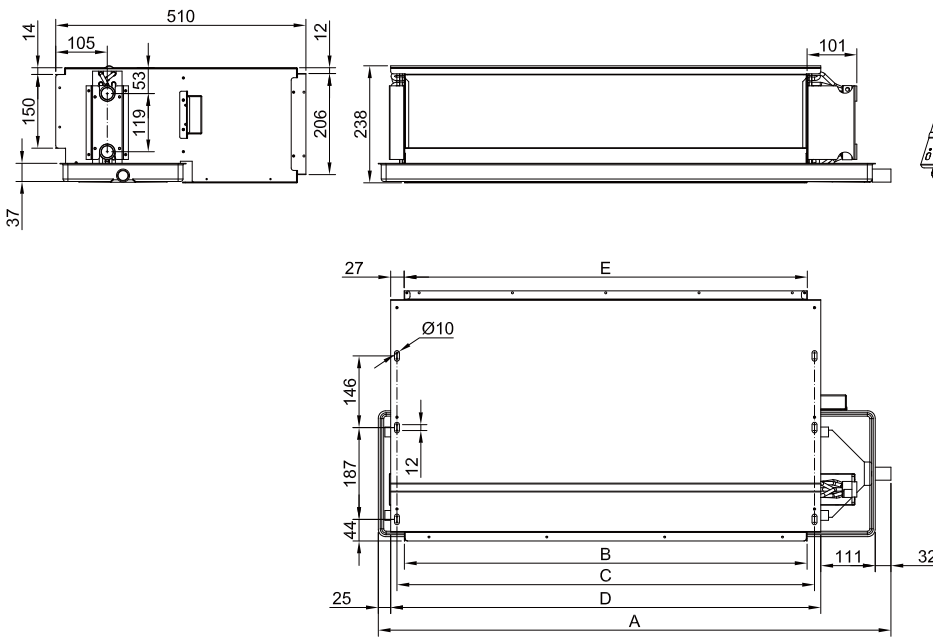
Symmetrical design, it is easy to change the unit from left(right)water tube connection to right(left) connection

Installing dimension(without air plenum)



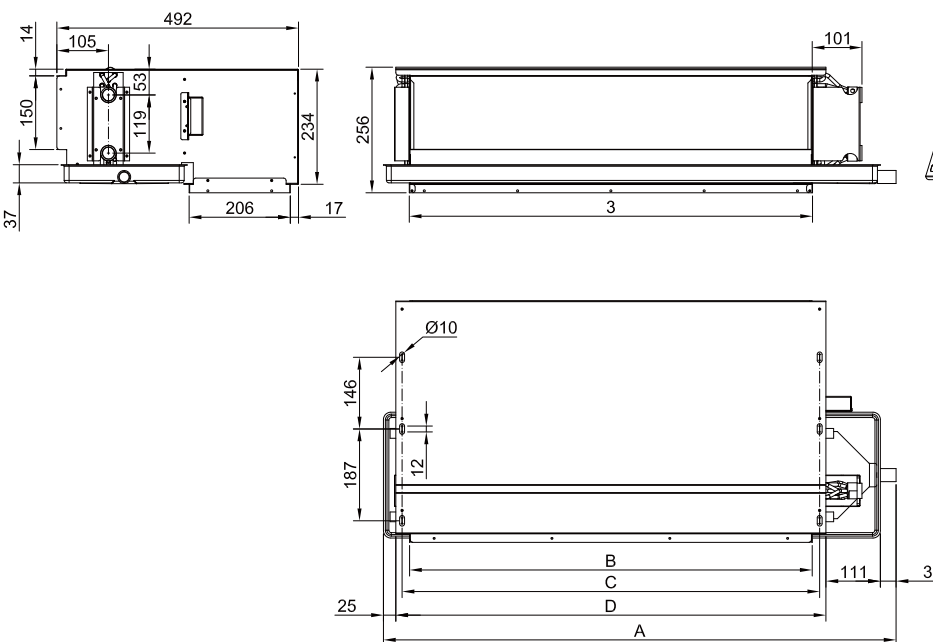
MODEL	MFP-34WA-B	MFP-51WA-B	MFP-68WA-B
A	624	814	864
B	400	590	640
C	430	620	670
D	456	646	696
MODEL	MFP-85WA-B	MFP-102WA-B	MFP-136WA-B
A	944	1044	1424
B	720	820	1200
C	750	850	1230
D	776	876	1256
MODEL	MFP-170WA-B	MFP-204WA-B	MFP-238WA-B
A	1474	1674	1824
B	1250	1450	1600
C	1280	1480	1630
D	1306	1506	1656

► Installing dimension(air return from side)



MODEL	MFP-34WA-B	MFP-51WA-B	MFP-68WA-B
A	624	814	864
B	400	590	640
C	430	620	670
D	456	646	696
E	491	681	731
MODEL	MFP-85WA-B	MFP-102WA-B	MFP-136WA-B
A	944	1044	1424
B	720	820	1200
C	750	850	1230
D	776	876	1256
E	811	821	1201
MODEL	MFP-170WA-B	MFP-204WA-B	MFP-238WA-B
A	1474	1674	1824
B	1250	1450	1600
C	1280	1480	1630
D	1306	1506	1656
E	1251	1451	1601

► Installing dimension(air return from bottom)



MODEL	MFP-34WA-B	MFP-51WA-B	MFP-68WA-B
A	624	814	864
B	400	590	640
C	430	620	670
D	456	646	696
E	491	681	731
MODEL	MFP-85WA-B	MFP-102WA-B	MFP-136WA-B
A	944	1044	1424
B	720	820	1200
C	750	850	1230
D	776	876	1256
E	811	821	1201
MODEL	MFP-170WA-B	MFP-204WA-B	MFP-238WA-B
A	1474	1674	1824
B	1250	1450	1600
C	1280	1480	1630
D	1306	1506	1656
E	1251	1451	1601

Ceiling conceal ducted type fan coil unit (2-tube system)

Model(2-tube system)			MFP-34WA-B	MFP-51WA-B	MFP-68WA-B	MFP-85WA-B	MFP-102WA-B	MFP-136WA-B	MFP-170WA-B	MFP-204WA-B	MFP-238WA-B		
Power supply			220V,50HZ,1PH										
Air volume	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380		
	M		270	380	515	660	765	1040	1280	1550	1800		
	L		190	260	340	430	530	710	860	1050	1280		
Static pressure			Pa	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)		
Cooling capacity	TH	H	W	2150	3200	4000	5000	5800	8000	9500	11300	12800	
			BTU/h	7335	10918	13648	17060	19789	27296	32414	38555	43673	
			W	1530	2230	2850	3530	4230	5790	6850	8110	9140	
	SH	H	BTU/h	5220	7608	9724	12044	14432	19755	23372	27671	31185	
			W	1710	2510	3305	4090	4790	6660	7695	9153	10000	
			W	1210	1715	2320	2890	3345	4715	5470	6340	7165	
	TH	M	W	1355	2000	2470	3000	3520	5150	5870	6820	7850	
			W	980	1420	1735	2020	2500	3530	4075	4950	5580	
			W	3350	5050	6250	7900	9150	12500	15100	17800	20100	
Heating capacity	M	W	2650	3900	5100	6350	7400	10300	11950	14200	15500		
		W	2100	3100	3850	4650	5450	8000	9100	10550	12150		
		W	37	39	41	43	45	47	48	50	52		
Noise	High speed	12Pa	39/42	41/44	43/46	45/47	48/49	49/50	50/52	52/54	54/56		
		30/50	37	52	62	76	96	134	152	189	228		
Power input	High speed	12Pa	44/49	59/66	72/84	87/100	108/118	156/174	174/210	212/250	253/300		
		30/50	0.37	0.55	0.69	0.86	0.99	1.37	1.63	1.94	2.19		
Waterflow volume	High speed	m ³ /h	0.37	0.55	0.69	0.86	0.99	1.37	1.63	1.94	2.19		
Pressure dropping		kPa	16	22	18	29	22	27	35	37	38		
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Coil			Type	Hydrophilic aluminum fin to wear copper tube									
Maximum working pressure			MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Condensation pipe size (diameter)			mm	DN20(External thread)									
Net dimension			L×W×H	mm	624×465×235	814×465×235	864×465×235	944×465×235	1044×465×235	1424×465×235	1474×465×235	1674×465×235	1824×465×235
Net weight			kg	11	13	14	16	17	26	29	32	34	

Ceiling conceal ducted type fan coil unit (4-tube system)

Model (4-tube system)			MFP-34WA4-B	MFP-51WA4-B	MFP-68WA4-B	MFP-85WA4-B	MFP-102WA4-B	MFP-136WA4-B	MFP-170WA4-B	MFP-204WA4-B	MFP-238WA4-B		
Power supply			220V,50HZ,1PH										
Air volume	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380		
	M		270	380	515	660	765	1040	1280	1550	1800		
	L		190	260	340	430	530	710	860	1050	1280		
Static pressure			Pa	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)	12(30,50)		
Cooling capacity	TH	H	W	2150	3200	4000	5000	5800	8000	9500	11300	12800	
			BTU/h	7335	10918	13648	17060	19789	27296	32414	38555	43673	
			W	1530	2230	2850	3530	4230	5790	6850	8110	9140	
	SH	H	BTU/h	5220	7608	9724	12044	14432	19755	23372	27671	31185	
			W	1710	2510	3305	4090	4790	6660	7695	9153	10000	
			W	1210	1715	2320	2890	3345	4715	5470	6340	7165	
	TH	M	W	1355	2000	2470	3000	3520	5150	5870	6820	7850	
			W	980	1420	1735	2020	2500	3530	4075	4950	5580	
			W	1350	2000	2500	3150	3650	5000	6000	7100	8000	
Heating capacity	M	W	1050	1550	2050	2550	2950	4100	4750	5650	6150		
		W	850	1250	1550	1850	2150	3200	3600	4200	4850		
		W	37	39	41	43	45	47	48	50	52		
Noise	High speed	12Pa	39/42	41/44	43/46	45/47	48/49	49/50	50/52	52/54	54/56		
		30Pa	37	52	62	76	96	134	152	189	228		
Power input	High speed	12Pa	44/49	59/66	72/84	87/100	108/118	156/174	174/210	212/250	253/300		
		30Pa	0.37	0.55	0.69	0.86	0.99	1.37	1.63	1.94	2.19		
Waterflow volume	High speed	Cooling tube	0.12	0.17	0.21	0.27	0.31	0.43	0.51	0.61	0.69		
		Heating tube	0.37	0.55	0.69	0.86	0.99	1.37	1.63	1.94	2.19		
Pressure dropping		Cooling tube	16	22	18	29	22	27	35	37	38		
		Heating tube	5	8	8	10	10	12	15	16	18		
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Coil			Type	Hydrophilic aluminum fin to wear copper tube									
Maximum working pressure			MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Condensation pipe size (diameter)			mm	DN20(External thread)									
Net dimension			L×W×H	mm	624×465×235	814×465×235	864×465×235	944×465×235	1044×465×235	1424×465×235	1474×465×235	1674×465×235	1824×465×235
Net weight			kg	12	14	15	18	19	28	32	35	37	

K STYLE SLIM CEILING CONCEAL DUCT TYPE FAN COIL UNIT

Characteristic

1、Thin thickness design

The thickness of the unit is 200 mm, and the inclined coil design is adopted to save the ceiling space.

2、Low noise fan

Innovative plastic fan is adopted. The volute is designed to remove eddy current. The quality is stable and reliable. The operation is stable and the noise is low. The fan runs smoothly and quietly;

3、DC motor is optional

The brushless DC 3-speed (5-speed) motor has long operation life and low noise.

4、Water collection tray

Using high-grade drawing plate, surface spray treatment, smooth, corrosion resistance, rust resistance; one-time stamping process, no weld, solder joint. Overall thermal insulation treatment, thermal insulation layer does not rise and fall off. The two-way diversion port slope design can make the condensate water flow faster without water storage and effectively reduce the bacteria breeding rate; the larger condensate plate design can eliminate the surface cooler and the air conditioner. The condensation water is not easy to drop out at the interface of inlet and outlet pipes;

5、Heat exchanger

High quality copper tube, with high heat transfer efficiency, high toughness, high hardness and other characteristics, can withstand high water pressure, especially suitable for the use of high-rise buildings; fin spacing by computer simulation optimization design. The experimental feedback is improved, the heat exchange area is sufficient, the air outlet is smooth, and the heat exchange efficiency is high;

6、Air return box is standard

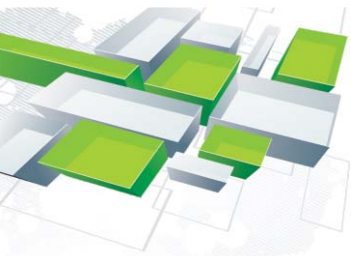
Air return box is standard, which can ease installation, reducing construction cost

7、High efficiency

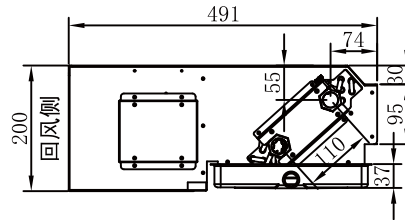
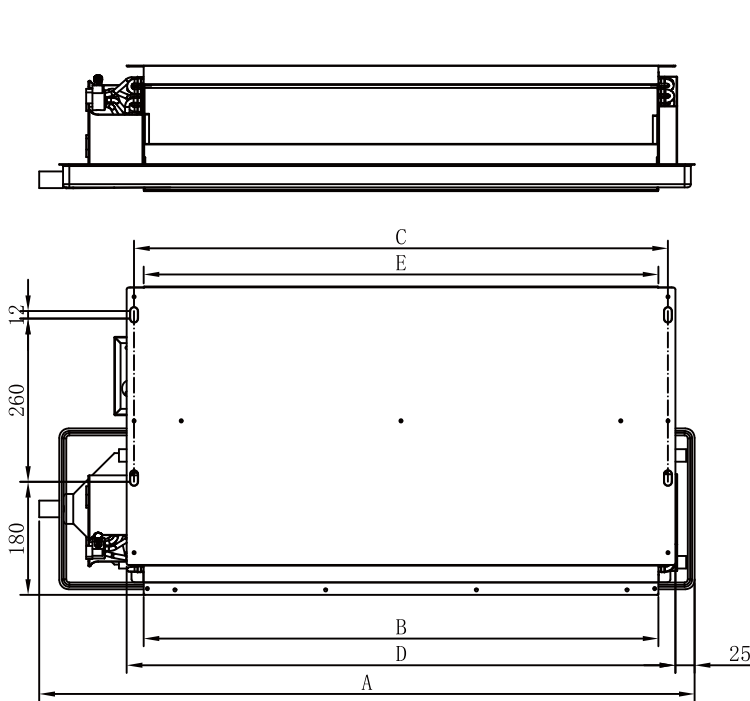
The high efficiency counter current heat exchanger and large diameter centrifugal fan are used to optimize the design of air duct and improve the heat transfer effect of the unit;

8、Left/right pipe connection is customized





▶ **Installing dimension**



air volume m ³ /h	340	510	680
A	624	814	864
B	400	590	640
C	430	620	670
D	454	644	694
E	400	590	640
air volume m ³ /h	850	1020	1360
A	944	1044	1424
B	720	820	1200
C	750	850	1230
D	774	874	1254
E	720	820	1200
air volume m ³ /h	1700		
A	1474		
B	1250		
C	1280		
D	1304		
E	1250		

unit : mm

▶ **Ceiling conceal ducted type fan coil unit (2-tube system)**

Model(2-tube system)		MFP-34WA-K	MFP-51WA-K	MFP-68WA-K	MFP-85WA-K	MFP-102WA-K	MFP-136WA-K	MFP-170WA-K		
Power supply		220V,50HZ,1PH								
Air volume	H	340	510	680	850	1020	1360	1700		
	M	270	380	515	660	765	1040	1280		
	L	190	260	340	430	530	710	860		
Static pressure		Pa	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)		
Cooling capacity	TH	H	W	2000	2950	3700	4600	5350	7350	8750
			BTU/h	6750	10050	12550	15700	18200	25100	29800
		W	1400	2050	2600	3250	3900	5350	6300	
	SH	H	BTU/h	4800	7000	8950	11100	13300	18150	21500
			W	1550	2300	3050	3750	4400	6150	7100
		W	1100	1600	2150	2650	3100	4350	5050	
	TH	M	W	1250	1850	2250	2750	3250	4750	5400
			W	900	1300	1600	1850	2300	3250	3750
		SH	L	W	3100	4650	5750	7250	8400	11500
W	2450			3600	4700	5850	6800	9500	11000	
W	1950		2850	3550	4300	5000	7350	8350		
Heating capacity	H	W	3100	4650	5750	7250	8400	11500	13900	
	M	W	2450	3600	4700	5850	6800	9500	11000	
	L	W	1950	2850	3550	4300	5000	7350	8350	
Noise	High speed	12Pa	37	39	41	43	45	46	48	
		30/50	39	41	43	45	47	48	50	
Power input	High speed	12Pa	36	50	60	74	93	130	147	
		30/50	43	57	70	84	105	151	169	
Waterflow volume	High speed	m ³ /h	0.34	0.51	0.64	0.79	0.92	1.26	1.51	
Pressure dropping		kPa	14	19	16	25	19	23	30	
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Coil	Type	Hydrophilic aluminum fin to wear copper tube								
Maximum working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Condensation pipe size (diameter)	mm	external screw DN20								
Net dimension	LxWxH	mm	624 × 491 × 200	814 × 491 × 200	864 × 491 × 200	944 × 491 × 200	1044 × 491 × 200	1424 × 491 × 200	1474 × 491 × 200	
Net weight	kg	11	13	14	16	17	26	29		

Slim style ceiling conceal duct Fan Coil Unit

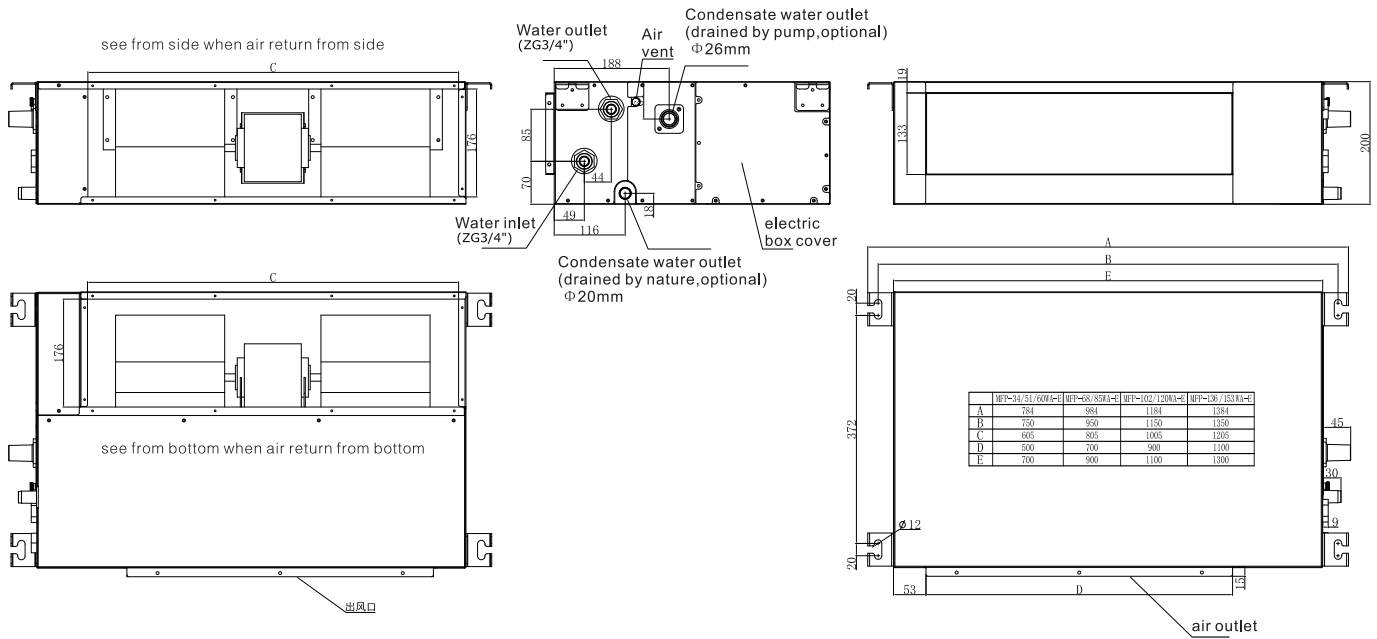


Characteristic

- 1、200mm Slim design, beautiful looking, save the space of ceiling;
The fan coil is only 200mm thickness, which is suitable to be installed in a height-limited ceiling;
- 2、Left/Right pipe connection direction is optional;
The water pipe connection direction can be customized, it will benefit to shorten the installation cost;
- 3、Air return box is standard, and air direction can be exchanged between side return and bottom return;
No need to add any material, it is easy to change the fan coil air return direction from side to bottom, or from bottom to side.
- 4、Use plastic fan, which can offer softer air flowing and reduce the noise level;
- 5、Air volume range is from 300cfm to 800cfm (510–1360m³/h), which is fully satisfied to the necessity of home use;
- 6、High efficiency
Adopt good quality heat exchanger and fan, which is beneficial to the heat exchanging capacity and efficiency
- 7、Drain pump is optional
A 750mm lift drain pump is optional to be built-in the fan coil, the controlling of drain pump is also built-in;
Water float switch is standard for the FCU which built-in drain pump, to prevent the leaking of draining;



Installing dimension



Ultra thin vertical fan coil unit (2-tube system)

Model			DC-MFP-34WA-E	DC-MFP-51WA-E	DC-MFP-60WA-E	DC-MFP-68WA-E	DC-MFP-85WA-E	DC-MFP-102WA-E	DC-MFP-120WA-E	DC-MFP-136WA-E	DC-MFP-153WA-E		
Power supply			220V, 50Hz, 1Ph										
Air volume	H	m ³ /h	340	510	600	680	850	1020	1200	1360	1500		
	M		200	300	360	400	520	620	720	816	900		
	L		100	150	180	200	260	310	360	408	450		
Static pressure			Pa										
Cooling capacity	TH	H	W	2000	2500	3100	4000	5000	5600	6300	7800	8500	
			BTU/h	6824	8530	10577	13648	17060	19107	21496	26610	29000	
			W	1490	1863	2310	2980	3725	4172	4694	5800	6322	
	SH	M	W	5084	6357	7882	10168	12710	14235	16016	19800	21570	
			BTU/h	1440	1800	32220	2880	3600	4020	4530	5610	6110	
			W	1050	1290	1620	2070	2580	2910	3270	4040	4400	
TH	L	W	850	1050	1300	1700	2100	2350	2650	3310	3610		
		BTU/h	540	660	810	1050	1290	1470	1650	2050	2235		
		W	3200	4100	5000	6500	8100	9100	10200	12600	13500		
Heating capacity	M	W	2300	2960	3600	4680	5840	6560	7340	8980	9620		
	L	W	1360	1680	2080	2720	3360	3760	4240	5290	5670		
	W	31	37	40	40	43	43	46	47	48			
Noise	High speed	dB(A)											
Power input	High speed	W	21	28	32	37	45	55	64	75	85		
Waterflow volume	High speed	m ³ /h	0.34	0.43	0.53	0.68	0.85	0.95	1.07	1.32	1.44		
Pressure dropping		kPa	14	21	26	25	28	35	38	38	40		
Water tube connection (inlet)			ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'		
Water tube connection (outlet)			ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'	ZG3/4'		
Coil													
Maximum working pressure			MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Condensing water pipe			mm										
Net dimension			L x W x H	mm	700 x 470 x 200	700 x 470 x 200	700 x 470 x 200	900 x 470 x 200	900 x 470 x 200	1100 x 470 x 200	1100 x 470 x 200	1300 x 470 x 200	1300 x 470 x 200
Net weight			kg	15.5	15.5	16.2	18.5	18.5	22.1	22.1	26.5	27.5	

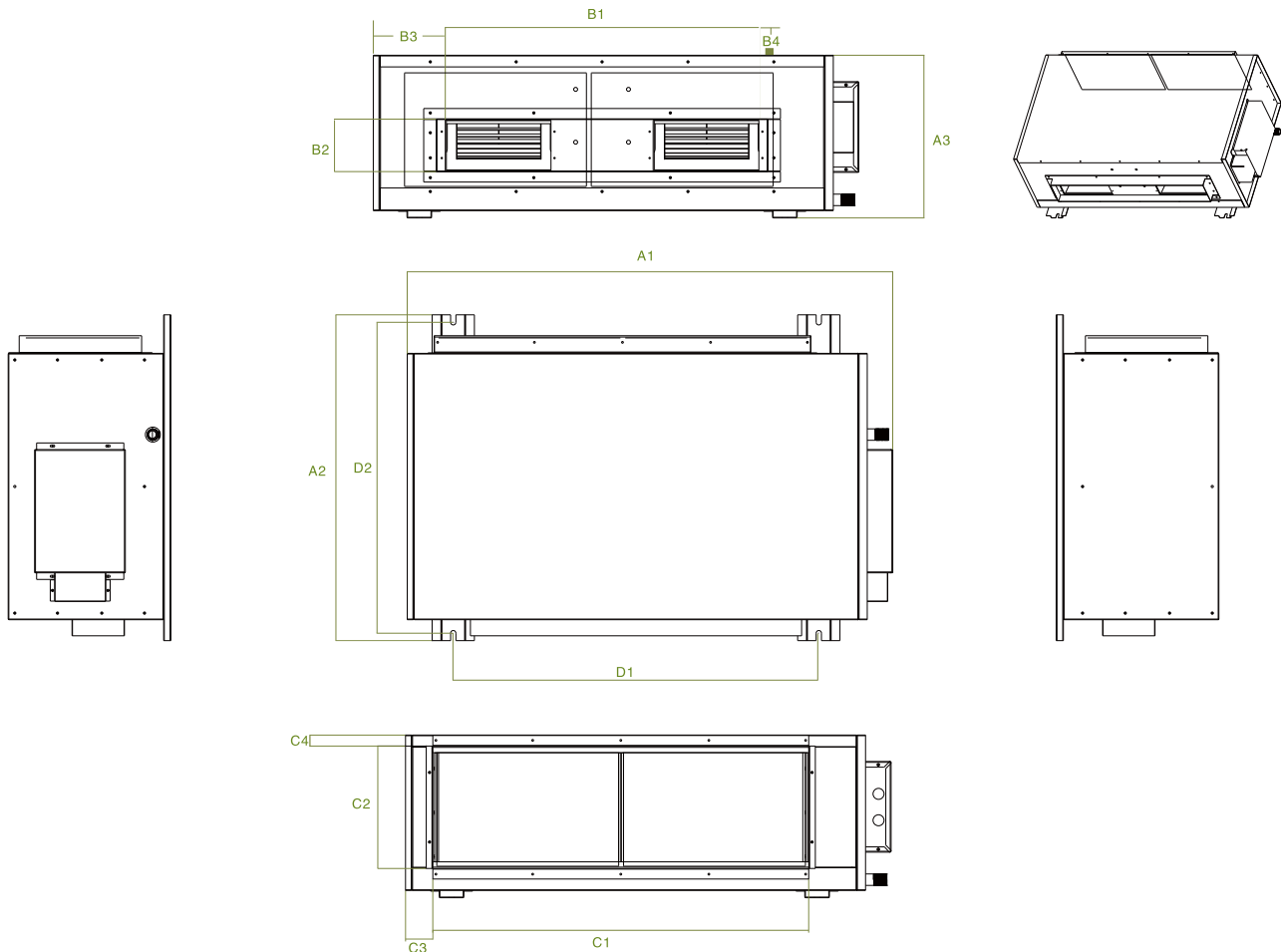
High static pressure ducted type fan coil unit



Characteristic

- 1: Classical elegant design
No-spangle galvanized sheet, beautiful appearance
- 2: High static pressure, long distance air supply
the static pressure is Max.200Pa, and Min . 120Pa
- 3: Big diameter fan, big air volume, low noise
- 4: E-heater is optional
- 5: Fresh air can be input from outside

Installing dimension



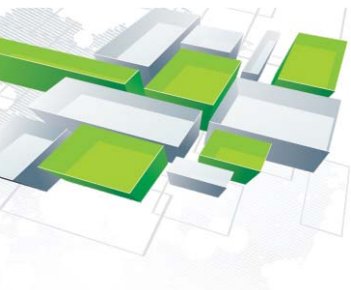
Dimension (mm)	Model			length of air outlet connection	height of air outlet connection	distance from air outlet to left side of unit	distance from air outlet to top side of unit	length of air inlet connection	height of air inlet connection	distance from air inlet to left side of unit	distance from air inlet to top side of unit	Dimension1 of installing frame	Dimension2 of installing frame
	Length	Width	height										
MFP-170/204/238HA	A1	A2	A3	B1	B2	B3	B4	C1	C2	C3	C4	D1	D2
	1103	740	370	753	119	149	144	855	263	61	40	831	706

Model (2-tube system)			MFP-170HA	MFP-204HA	MFP-238HA	
Power supply			220V,50Hz,1Ph			
Air volume	H	m³/h	1700	2040	2380	
	M		1280	1550	1800	
	L		860	1050	1280	
Static pressure			Pa	120	100	80
Cooling capacity	TH	H	W	9000	10800	12600
			BTU/h	30708	36850	42991
			W	6705	8046	9387
	SH	M	BTU/h	22877	27453	32028
			W	7290	8748	10206
			W	5759	6911	8063
TH	L	W	5670	6804	7938	
		W	4649	5579	6509	
		W	4649	5579	6509	
Heating capacity	H		W	13500	16200	18900
	M		W	10395	12474	14553
	L		W	8168	9801	11435
Noise	High speed		dB(A)	50	52	54
Power input	High speed		W	420	450	520
Waterflow volume	High speed		m³/h	1.54	1.85	2.16
Pressure dropping			kPa	22	30	36
Water tube connection(inlet)			ZG7/4"	ZG7/4"	ZG7/4"	
Water tube connection(outlet)			ZG7/4"	ZG7/4"	ZG7/4"	
Coil			Type	Hydrophilic aluminum fin to wear copper tube		
Maximum working pressure			MPa	1.6	1.6	1.6
Condensing water pipe			mm	DN20(External thread)		
Net dimension	L×W×H		mm	1110×740×370	1110×740×370	1110×740×370
Net weight			kg	55	56	65

High static pressure ducted type fan coil unit (2-tube system)

Model (4-tube system)			MFP-170HA4	MFP-204HA4	MFP-238HA4	
Power supply			220V,50Hz,1Ph			
Air volume	H	m³/h	1700	2040	2380	
	M		1280	1550	1800	
	L		860	1050	1280	
Static pressure			Pa	120	100	80
Cooling capacity	TH	H	W	9000	10800	12600
			BTU/h	30708	36850	42991
			W	6705	8046	9387
	SH	M	BTU/h	22877	27453	32028
			W	7290	8748	10206
			W	5759	6911	8063
TH	L	W	5670	6804	7938	
		W	4649	5579	6509	
		W	4649	5579	6509	
Heating capacity	H		W	6500	7800	9100
	M		W	5090	6110	7130
	L		W	4080	4900	5720
Noise	High speed		dB(A)	50	52	54
Power input	High speed		W	420	450	520
Waterflow volume	High speed	Cooling tube	m³/h	1.54	1.85	2.16
		Heating tube	m³/h	0.56	0.68	0.79
Pressure dropping	High speed	Cooling tube	kPa	22	30	36
		Heating tube	kPa	9	12	15
Water tube connection(inlet)			ZG7/4"	ZG7/4"	ZG7/4"	
Water tube connection(outlet)			ZG7/4"	ZG7/4"	ZG7/4"	
Coil			Type	Hydrophilic aluminum fin to wear copper tube		
Maximum working pressure			MPa	1.6	1.6	1.6
Condensing water pipe			mm	DN20(External thread)		
Net dimension	L×W×H		mm	1110*740*370	1110*740*370	1110*740*370
Net weight			kg	57	58	68

High static pressure ducted type fan coil unit (4-tube system)



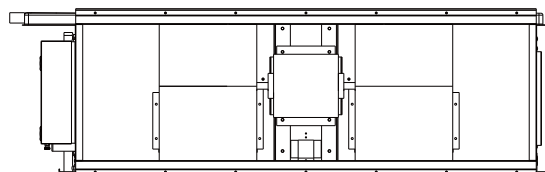
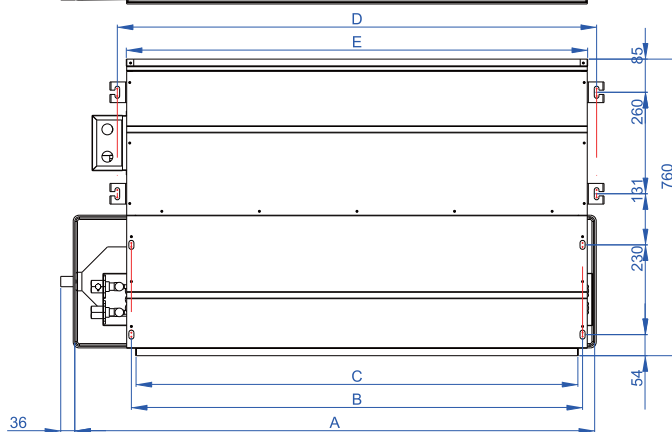
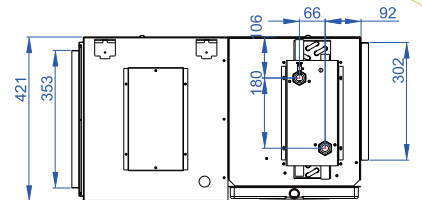
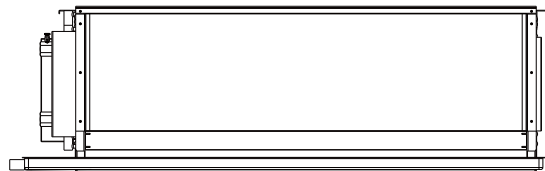
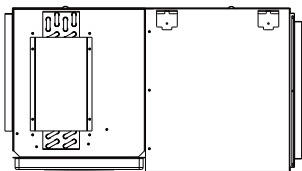
MECO

HIGH STATIC PRESSURE DUCT TYPE FAN COIL UNIT



Characteristic

- 1: Classical elegant design
No-spangle galvanized sheet, beautiful appearance
- 2: High static pressure, long distance air supply
the static pressure is 120Pa
- 3: Big diameter fan, big air volume, low noise
- 4: E-heater is optional
- 5: Fresh air can be input from outside



MODE	A	B	C	D	E	
136HAW	930	746	722	818	772	
170HAW	204HAW	1010	826	802	898	852
238HAW	272HAW	1150	966	942	1038	992
306HAW	340HAW	1340	1156	1132	1228	1182
408HAW		1600	1416	1392	1488	1442

Model (2-tube system)			MFP-136HAW	MFP-170HAW	MFP-204HAW	MFP-238HAW	MFP-272HAW	MFP-306HAW	MFP-340HAW	MFP-340HAW	
Power supply			220V, 50Hz, 1Ph								
Air volume	H	m ³ /h	1360	1700	2040	2380	2720	3060	3400	4080	
	M		1090	1360	1635	1900	2180	2450	2720	3260	
	L		815	1020	1225	1430	1630	1830	2040	2450	
Static pressure			Pa								
Cooling capacity	TH	H	W	7200	9000	10800	12600	14400	16200	18000	21600
			BTU/h	24600	30750	36900	43050	49200	55350	61500	73800
			SH	W	5350	6650	8000	9350	10650	12000	13350
	SH	M	BTU/h	18300	22700	27350	31950	36400	41000	45600	54650
			W	5450	6800	8150	9500	10850	12250	13600	16300
			W	3900	4900	5850	6850	7800	8800	9800	11750
	TH	L	W	4200	5250	6300	7350	8400	9450	10500	12600
			W	2950	3700	4450	5200	5950	6650	7400	8900
			W	10800	13500	16200	18900	21600	24300	27000	32400
Heating capacity	H	W	8200	10250	12300	14350	16400	18450	20500	24600	
	M	W	7000	8800	10550	12300	14050	15800	17550	21050	
	L	W	51	51	52	54	54	56	56	57	
Noise	High speed	dB(A)	51	51	52	54	54	56	56	57	
Power input	High speed	W	380	420	450	520	550	880	900	1100	
Waterflow volume	High speed	m ³ /h	1.23	1.54	1.85	2.16	2.46	2.77	3.08	3.70	
Pressure dropping		kPa	25	28	30	35	36	42	43	50	
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Water tube connection(outlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Coil			Type								
Maximum working pressure			MPa								
Condensing water pipe			mm								
Net dimension			mm								
Net weight			kg								

HAW series high static pressure ducted type fan coil unit (2-tube system)

Model (4-tube system)			MFP-136HAW4	MFP-170HAW4	MFP-204HAW4	MFP-238HAW4	MFP-272HAW4	MFP-306HAW4	MFP-340HAW4	MFP-408HAW4	
Power supply			220V, 50Hz, 1Ph								
Air volume	H	m ³ /h	1360	1700	2040	2380	2720	3060	3400	4080	
	M		1090	1360	1635	1900	2180	2450	2720	3260	
	L		815	1020	1225	1430	1630	1830	2040	2450	
Static pressure			Pa								
Cooling capacity	TH	H	W	7200	9000	10800	12600	14400	16200	18000	21600
			BTU/h	24600	30750	36900	43050	49200	55350	61500	73800
			SH	W	5350	6650	8000	9350	10650	12000	13350
	SH	M	BTU/h	18300	22700	27350	31950	36400	41000	45600	54650
			W	5450	6800	8150	9500	10850	12250	13600	16300
			W	3900	4900	5850	6850	7800	8800	9800	11750
	TH	L	W	4200	5250	6300	7350	8400	9450	10500	12600
			W	2950	3700	4450	5200	5950	6650	7400	8900
			W	4600	5760	6900	8050	9200	10400	11500	13800
Heating capacity	H	W	3500	4400	5250	6150	7000	7900	8750	10500	
	M	W	3000	3750	4500	5250	6000	6750	7500	9000	
	L	W	51	51	52	54	54	56	56	57	
Noise	High speed	dB(A)	51	51	52	54	54	56	56	57	
Power input	High speed	W	380	420	450	520	550	880	900	1100	
Waterflow volume	High speed	Cooling tube	1.23	1.54	1.85	2.16	2.46	2.77	3.08	3.70	
		Heating tube	0.53	0.66	0.79	0.92	1.06	1.19	1.32	1.58	
		Cooling tube	25	28	30	35	36	42	43	50	
Pressure dropping	High speed	Heating tube	12	12	14	17	18	21	22	27	
		Cooling tube	25	28	30	35	36	42	43	50	
		Heating tube	12	12	14	17	18	21	22	27	
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Water tube connection(outlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Coil			Type								
Maximum working pressure			MPa								
Condensing water pipe			mm								
Net dimension			mm								
Net weight			kg								

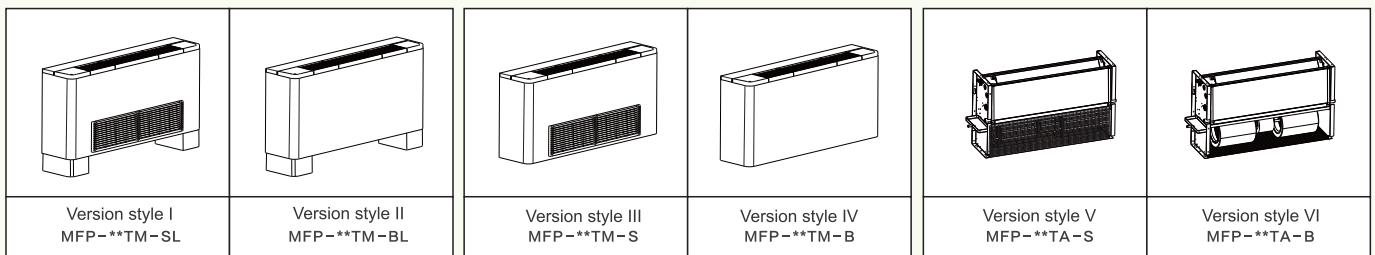
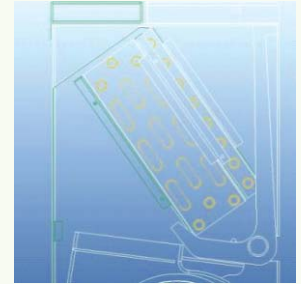
HAW series high static pressure ducted type fan coil unit (4-tube system)

Universal type fan coil unit

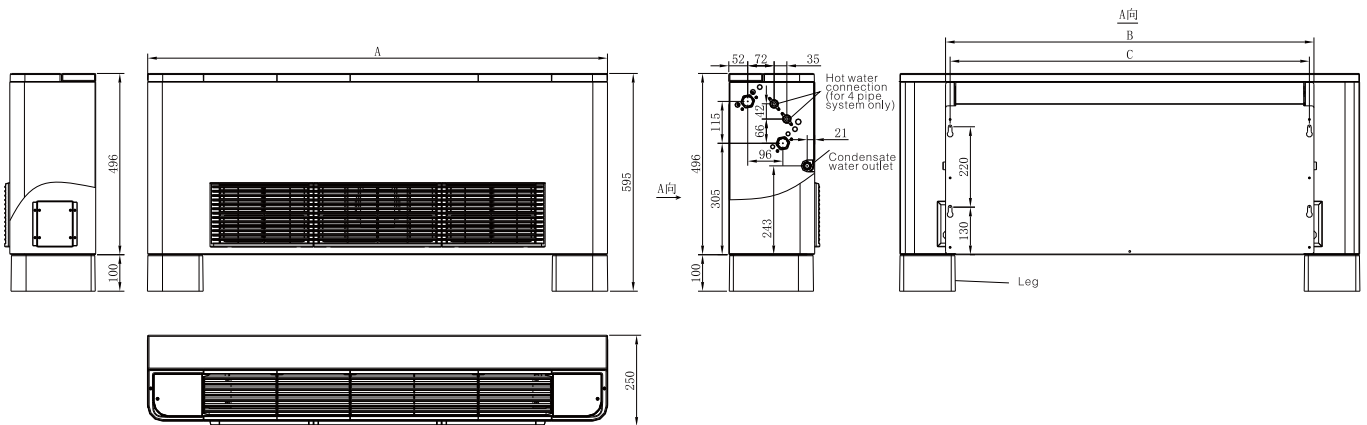


► Characteristic

- 1、 Universal design, the unit can be installed by vertical or horizontal.
- 2、 Classical elegant design.
- 3、 Use PVC drain pan with 2 water outlet, hollow structure design can enhance the thermal insulation properties, at the same time to prevent from leaking.
- 4、 Left-Right water pipe connection can be changed freely.
- 5、 6 kind of air distribution solution is optional ;



► Installing dimension



Unit: mm

MODEL	MFP-34TM	MFP-51TM	MFP-68TM	MFP-85TM	MFP-102TM	MFP-136TM	MFP-170TM	MFP-204TM	MFP-238TM
A	858	908	1058	1208	1258	1608	1758	1908	2058
B	608	658	808	958	1008	1358	1508	1658	1808
C	583	633	783	933	983	1333	1483	1633	1783
Qty of fan	1	2	2	2	2	4	4	4	4
Qty of motor	1	1	1	1	1	2	2	2	2

➤ Universal type fan coil unit (2-tube system)

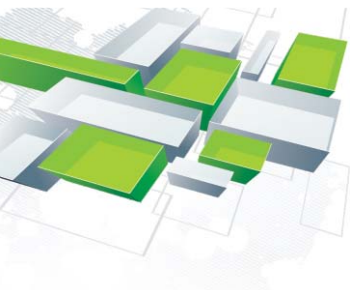
Model		MFP-34TM	MFP-51TM	MFP-68TM	MFP-85TM	MFP-102TM	MFP-136TM	MFP-170TM	MFP-204TM	MFP-238TM		
Power supply		220V,50Hz,1Ph										
Air volume	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	
	M		260	390	510	640	770	1020	1280	1530	1790	
	L		170	260	340	430	510	680	850	1020	1190	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991
			W	1368	2052	2736	3420	4103	5471	6839	8207	9575
	SH	H	BTU/h	4668	7001	9335	11669	13999	18667	23335	28002	32670
			W	1494	2242	2989	3736	4483	5978	7472	8967	10461
			W	1181	1771	2362	2952	3541	4722	5903	7084	8265
	TH	M	W	1162	1744	2325	2906	3487	4649	5812	6974	8136
			W	953	1430	1907	2383	2860	3813	4765	5718	6672
			W	2700	4050	5400	6750	8100	10800	13500	16200	18900
Heating capacity	M	W	2131	3197	4262	5328	6393	8524	10655	12786	14917	
			L	1675	2511	3349	4186	5024	6697	8372	10046	11721
			Noise	High speed	dB(A)	37	39	41	43	45	46	48
Power input	High speed	W	37	52	62	76	96	134	152	189	228	
Waterflow volume	High speed	m ³ /h	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
Pressure dropping		kPa	7	15	18	23	28	30	22	30	36	
Water tube connection(inlet)		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Coil	Type	high efficient copper pipe to wear Hydrophilic aluminum coil										
Maximum working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Condensation pipe size (diameter)	mm	ø 16										

➤ Universal type fan coil unit (4-tube system)

Model		MFP-34TM4	MFP-51TM4	MFP-68TM4	MFP-85TM4	MFP-102TM4	MFP-136TM4	MFP-170TM4	MFP-204TM4	MFP-238TM4		
Power supply		220V,50Hz,1Ph										
Air volume	H	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	
	M		260	390	510	640	770	1020	1280	1530	1790	
	L		170	260	340	430	510	680	850	1020	1190	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991
			W	1368	2052	2736	3420	4103	5471	6839	8207	9575
	SH	H	BTU/h	4668	7001	9335	11669	13999	18667	23335	28002	32670
			W	1494	2242	2989	3736	4483	5978	7472	8967	10461
			W	1181	1771	2362	2952	3541	4722	5903	7084	8265
	TH	M	W	1162	1744	2325	2906	3487	4649	5812	6974	8136
			W	953	1430	1907	2383	2860	3813	4765	5718	6672
			W	1300	1940	2590	3240	3890	5180	6480	7780	9070
Heating capacity	M	W	1020	1530	2040	2550	3060	4070	5090	6110	7130	
			L	820	1230	1630	2040	2450	3270	4080	4900	5720
			Noise	High speed	dB(A)	37	39	41	43	45	46	48
Power input	High speed	W	37	52	62	76	96	134	152	189	228	
Waterflow volume	High speed	m ³ /h	Cooling tube	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16
			Heating tube	0.11	0.17	0.22	0.28	0.34	0.45	0.56	0.67	0.78
Water Pressure dropping	Cooling tube	kPa	Cooling tube	7	15	18	23	28	30	22	30	36
			Heating tube	2.8	6	7.2	9.2	11.2	12	8.8	12	14.4
Water tube connection(inlet)		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)		ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"		
Coil	Type	high efficient copper pipe to wear Hydrophilic aluminum coil										
Maximum working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
Condensation pipe size (diameter)	mm	ø 16										

Ultra thin vertical type fan coil unit





Characteristic

1. Ultra thin design the width of the body is only 130mm;
2. Modern industrial style design, exquisite manufacturing technology and elegant surface. It is cater to modern decoration style;
3. Using the cross flow fan, optimization of pipeline design. Strong wind and quiet running.
4. The wind guide strip is installed with damping. Can manually adjust the angle of the wind.
5. Hidden intelligent LED temperature controller which is elegant appearance and easy to use.
6. Cold wind protection system. It can stop the cold wind blow out when the water temperature in the pipe is too cold.
7. Left- right water pipe and electric control box can be changed to both side.
Easy for installing work and reduce the dependence on inventory.
8. The side metal plate can be remove before installation which make pipe connection easier.
9. The filter of this product is easy to change.
10. 2-way valve and 3-way valve is optional which can decrease the cost of installation.
11. Can installed by floor standing with leg ,or hanging on the wall without leg.

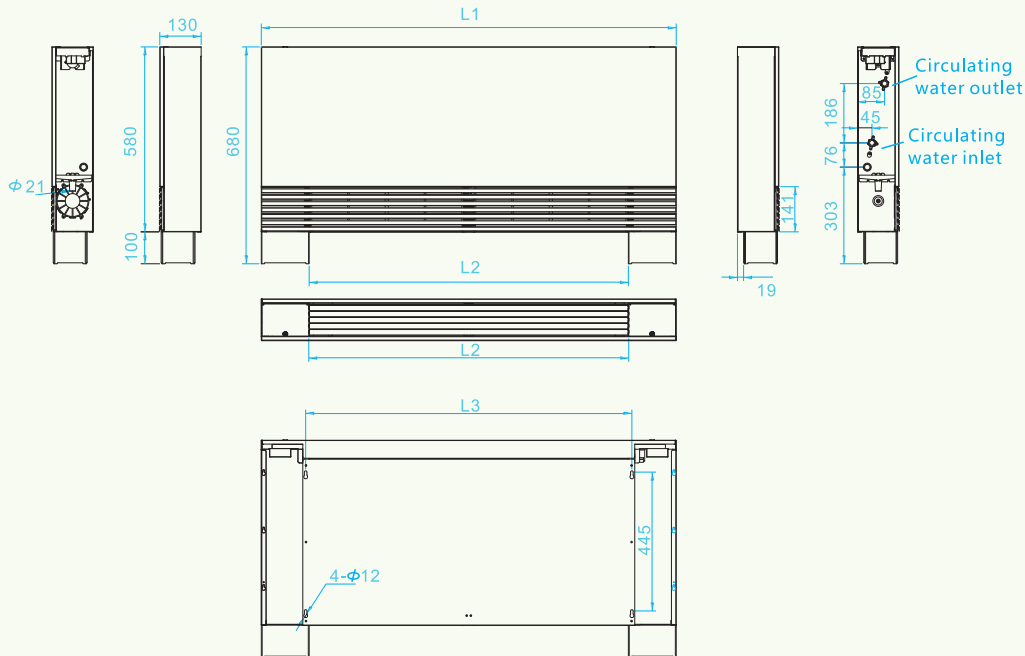


DC ultra thin vertical fan coil unit (2-tube system) characteristic

1. Touch screen controller is standard for DC style ;
2. Auto swing function is standard and the swing range is wide;
3. Remote controller is also standard;



Installing dimension

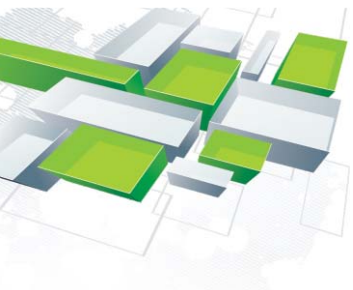


Item	Model	MFP-20CM	MFP-30CM	MFP-40CM	MFP-50CM
L1		700	900	1100	1300
L2		400	600	800	1000
L3		422	622	822	1022

unit:(mm)

Ultra thin vertical fan coil unit (2-tube system)

Model			MFP-20CM	MFP-30CM	MFP-40CM	MFP-50CM		
Power supply			220V,50Hz,1Ph					
Air volume	H	m ³ /h	200	300	400	500		
	M		150	220	300	380		
	L		110	160	230	290		
Static pressure		Pa	0	0	0	0		
Cooling capacity	TH	H	W	1000	1800	2400	3000	
			BTU/h	3412	6142	8189	10236	
			SH	W	713	1283	1711	2139
	TH	M	BTU/h	2433	4379	5839	7298	
			SH	W	800	1440	1920	2400
			SH	W	555	999	1330	1660
TH	L	SH	W	650	1170	1560	1950	
		SH	W	430	770	1025	1280	
		SH	W	430	770	1025	1280	
Heating capacity	H	W	1600	2900	3850	4800		
	M	W	1280	2320	3080	3840		
	L	W	830	1510	2000	2500		
Noise	High speed	dB(A)	38	39	40	41		
Power input	High speed	W	15	18	20	26		
Waterflow volume	High speed	m ³ /h	0.17	0.26	0.34	0.43		
Pressure dropping		kPa	4	6	8	10		
Water tube connection(inlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"		
Water tube connection(outlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"		
Coil			Hydrophilic aluminum fin to wear copper tube					
Maximum working pressure		MPa	1.6	1.6	1.6	1.6		
Condensing water pipe		mm	φ 21					
Net dimension	L x W x H	mm	700 x 130 x 681	900 x 130 x 681	1100 x 130 x 681	1300 x 130 x 681		
Net weight		kg	14.5	18.5	21.5	24		



Slim ducted type fan coil unit



Characteristic

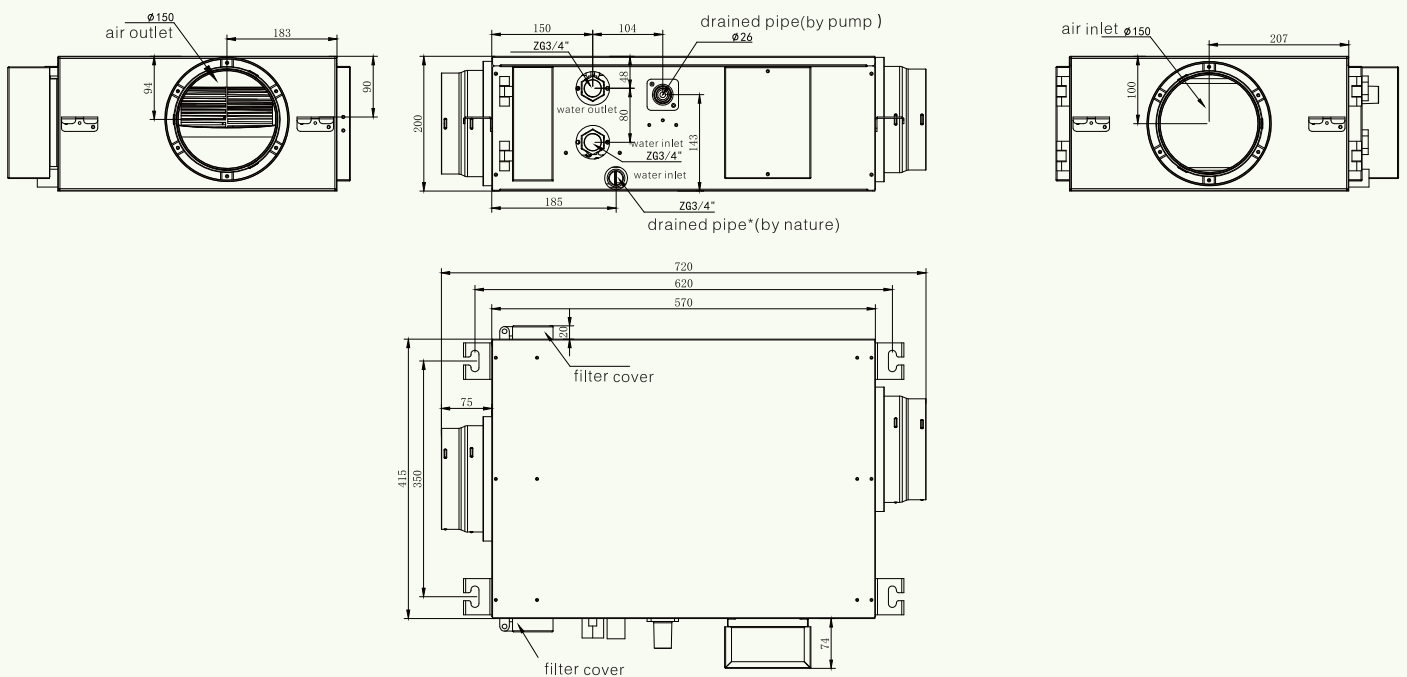
- 1、 Slim FCU body is specially designed for limited space;
- 2、 The round air inlet and outlet , make the installation easily;
- 3、 DC brushless motor is stadard to adjust the static pressure;
- 4、 Reasonable structure design makes it more convenient to replace the filter and daily maintenance;
- 5、 Condensated water drained pump is optional to save the space of ceiling;
- 6、 The shell adopts aluminum zinc plate, which greatly improves the corrosion resistance;

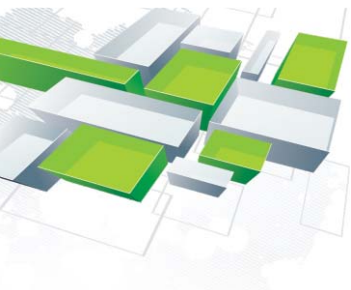


▶ Performance of Slim duct type fan coil unit

Model			MTF-30KB	
Power supply			220V ~ 50Hz	
Air volume	H	m ³ /h	300	
	M		180	
	L		100	
Static pressure			Pa	12-30
Cooling capacity	TH	H	W	1800
			BTU/h	6142
			W	1301
	SH	M	BTU/h	4439
			W	1300
			W	950
TH	L	W	765	
		W	485	
		W	2900	
Heating capacity	H		W	2080
	M		W	1235
	L		W	1235
Noise	High speed		dB(A)	34
Power input	High speed		W	20
Waterflow volume	High speed		m ³ /h	0.31
Pressure dropping			kPa	21
Water tube connection(inlet)			ZG3/4"	
Water tube connection(outlet)			ZG3/4"	
Coil		style	Hydrophilic aluminum fin to wear copper tube	
Maximum working pressure			MPa	1.6
Condensing water pipe			mm	φ26mm
Net dimension	L x W x H		mm	570 x 415 x 200
Net weight			kg	16.5

▶ Installing dimension





MECO

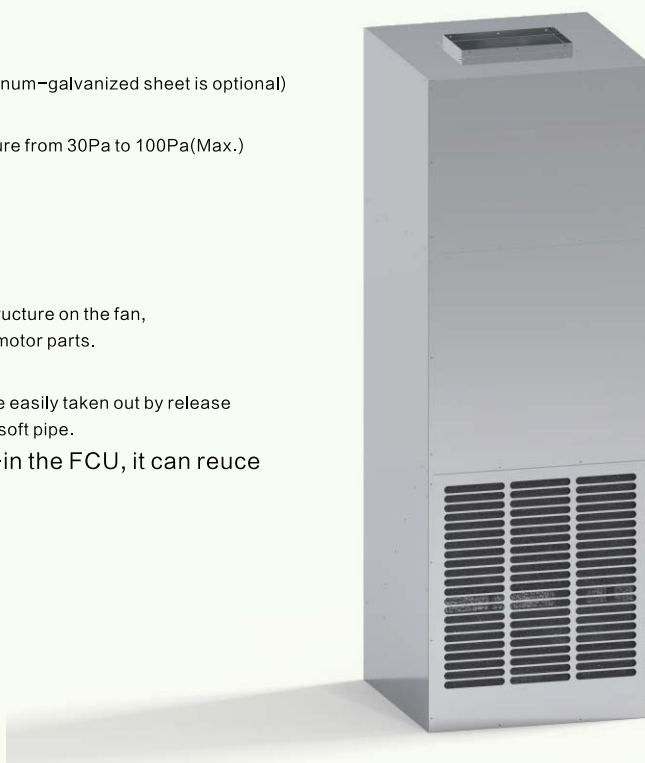
VERTICAL DUCTED CONCEAL TYPE FAN COIL UNIT

Vertical ducted conceal type fan coil unit

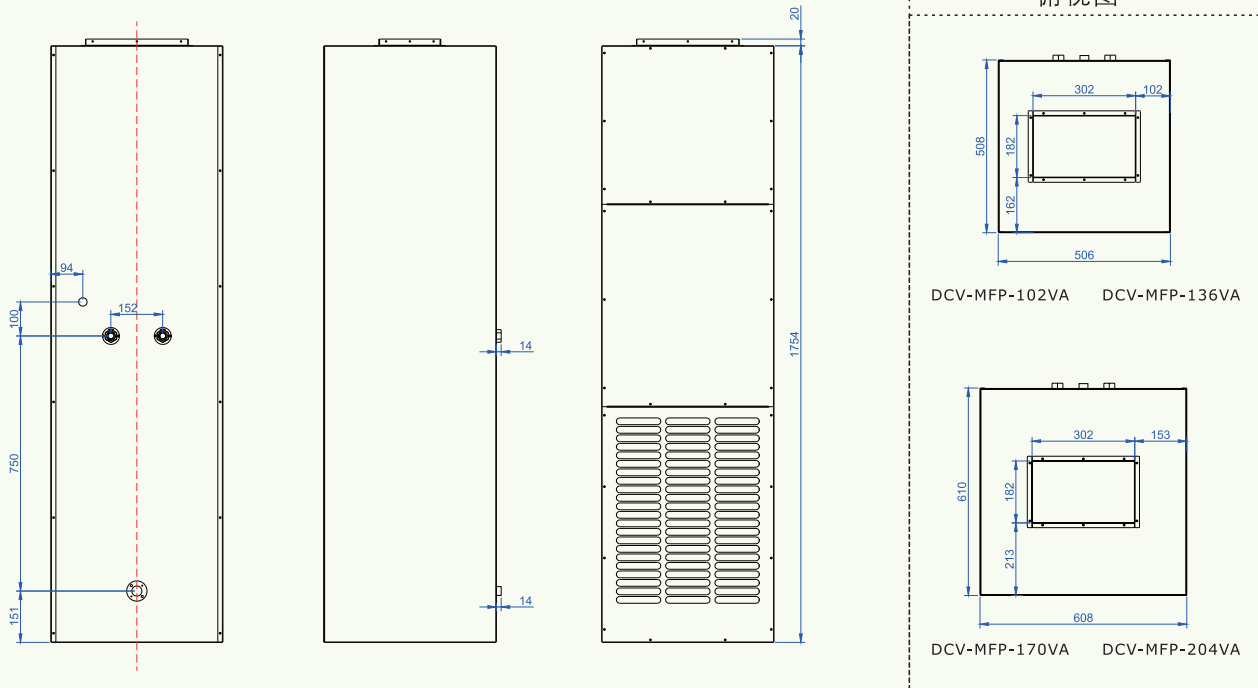


Characteristic

- 1. Classical elegant design**
No-spangle galvanized sheet, beautiful appearance (Aluminum-galvanized sheet is optional)
- 2. High static pressure**
The static pressure is 60Pa, and can change the static pressure from 30Pa to 100Pa(Max.)
- 3. Big diameter fan, big air volume, low noise**
- 4. E-heater is optional**
- 5. DC motor is standard**
- 6. Fan motor parts is easy for maintenance**
The fan was fix by bolts which connected with the riveting structure on the fan, it is easy to remove the bolt and make maintenance of the fan motor parts.
- 7. Coil assemble parts is easy for maintenance**
Use stainless steel soft connection pipe, the coil parts can be easily taken out by release 4 screws and loose the middle connection between coil and soft pipe.
- 8. Stop valve\Modulating valve\etc can be built-in the FCU, it can reduce the job of installation.**



Installing dimension



Performance

Model			DCV-MFP-102VA	DCV-MFP-136VA	DCV-MFP-170VA	DCV-MFP-204VA	
Power supply			220V,50Hz,1Ph				
Air volume	H	m ³ /h	1020	1360	1700	2040	
	M		240	320	400	480	
Static pressure		Pa	60	60	60	60	
Cooling capacity	TH	H	W	6300	8100	10000	11500
			BTU/h	21500	27640	34120	39240
	SH	H	W	4490	5870	7100	8350
			BTU/h	15320	20030	24225	28490
	TH	L	W	2200	2850	3500	4050
			W	1300	1650	2050	2350
Heating capacity	H		W	10100	13000	16000	18400
	L		W	3550	4555	5600	6450
Noise	High speed		dB(A)	44	48	52	55
Power input	High speed		W	190	220	280	440
Waterflow volume	High speed		m ³ /h	1.07	1.38	1.71	1.96
Pressure dropping			kPa	27	30	35	40
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		style	Hydrophilic aluminum fin to wear copper tube				
Maximum working pressure			MPa	1.6	1.6	1.6	1.6
Condensing water pipe			mm	φ21			
Net dimension	L×W×H		mm	506×508×1774		608×610×1774	
Net weight			kg	75,6		82,8	

DC brushless motor type fan coil unit



DC3 motor type fan coil unit (3 speed)

Characteristic

- 1、 Use the 3(5) speed DC motor , normal thermostat is fitable for controlling;
- 2、 Use DC motor , with high efficiency and low energy consumption.
The energy consumption of DC motor is average more than 50% AC motor.
- 3、 Long running life

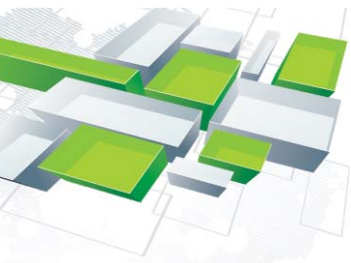
The energy consumption for motor is changed to energy for running and heat, efficiency of AC motor is always 40–45%, it means that there have 55%–60% energy was tranfered to heat.

The heat might cause to the Aging of components, which is harm to the life of motor.

The efficiency of DC brushless motor is always more than 80%–95%, so only little energy change to heat.

DC3 fan coil product range





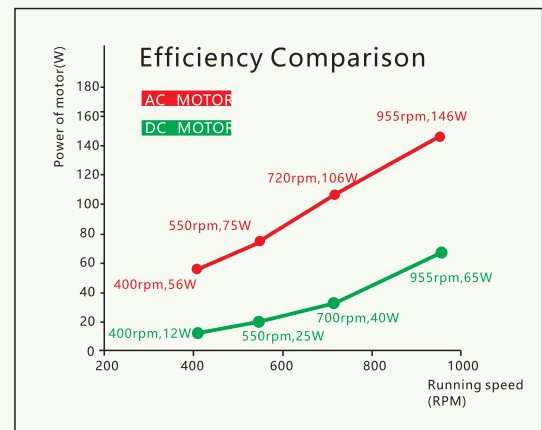
DCV motor type fan coil unit (0~10V signal)



Characteristic

1. Use the stepless DC motor, fit special controller(cassette/ultra thin style), or 0~10V fan coil thermostat ;
2. Use Panasonic DC motor, high efficiency and low energy consumption.
The energy consumption of DC motor is average more than 60% compare to AC motor.

Energy consumption	Speed 1	Speed 2	Speed 3	Speed 4
AC motor	146W	106W	75W	56W
DC motor	72W	41W	25W	12W
Energy saving	50.7%	61.3%	66.7%	78.6%



3. Long running life

The energy consumption for motor is changed to energy for running and heat, efficiency of AC motor is always 40–45%, it means that there have 55%–60% energy was tranfered to heat.

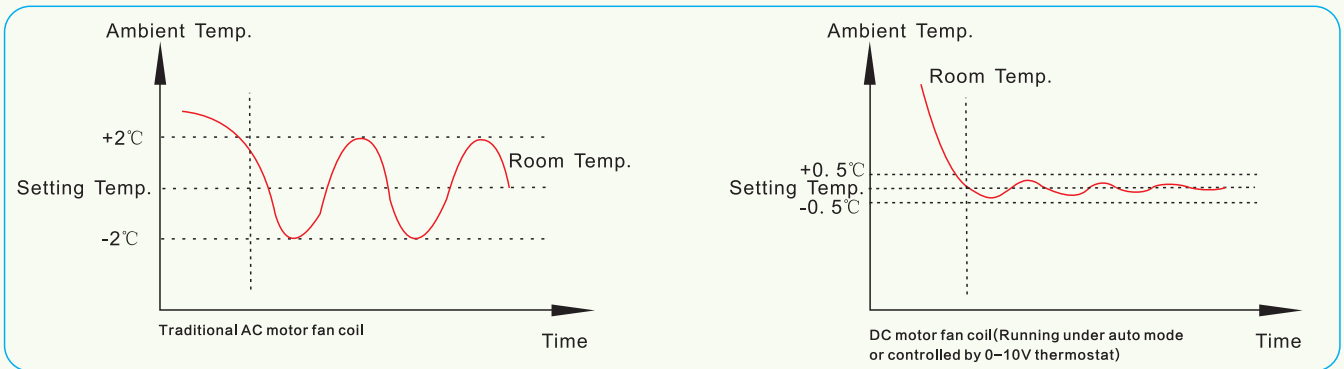
The heat might cause to the Aging of components, which is harm to the life of motor.

The efficiency of DC brushless motor is always more than 80%–95%, so only little energy change to heat.

4、Fast cooling/heating & comfortable temperature controlling

If the room temperature have a big distance to the setting temperature, for normal AC style FCU, the fan will run under the setting speed. While the DC style will automatic running at high speed to fast the cooling/heating.

When the room temperature arrived the setting temperature, the AC model style will stop the fan running or close the water valve, it will cause the cooling/heating can not continue and also the temperature shock in the room; While the DC style will change the running speed according the temperature distance between the room temperature and the setting temperature, if the distance is big, the fan speed will be higher, and if the distance is smaller, the running speed will reduce too.



➤ DC fan coil product range





TAIZHOU MECO REFRIGERATION EQUIPMENT CO.,LTD.

Add: Zhuguang Street,Luqiao District,Taizhou ,Zhejiang

 0576-82424800/82517780

 info@china-meco.com

 www.china-meco.com



ISO9001