

FAN COIL UNIT

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

PRODUCTS DESCRIPTION

MECO



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 10,000 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;

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



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



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Products list of Meco

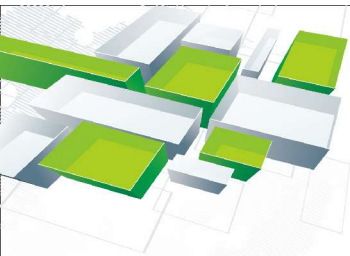
Fan coil unit

Type	Model	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	2720	3400	4080	DC motor (0-10V)	EC motor (3 speed)
		cfm	200	300	400	500	600	800	1000	1200	1400	1600	2000	2400	optional	
Cassette type	1-way with drained pump	✓	✓	✓	✓											
	4-way without drained pump (E style)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	4-way with drained pump(E style)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	4-way without drained pump (Mstyle)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					
	4-way with drained pump(M style)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				●	
	surround air flowing style(G style)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
High wall mounted type	standard type	✓	✓	✓	✓	✓	✓									
	valve inside type	✓	✓	✓	✓	✓	✓									
Ceiling floor type	Standard type		✓	✓	✓	✓	✓	✓	✓	✓						
Ceiling conceal ducted type	12/30/50Pa	✓	✓	✓	✓	✓	✓	✓	✓	✓					●	●
high static pressure ducted type								✓	✓	✓					●	
high static pressure ducted type (HAW series)							✓	✓	✓	✓	✓	✓	✓			
Universal type(with casing)		✓	✓	✓	✓	✓	✓	✓	✓	✓					●	●
Universal conceal type (without casing)	12/30/50Pa	✓	✓	✓	✓	✓	✓	✓	✓	✓					●	●

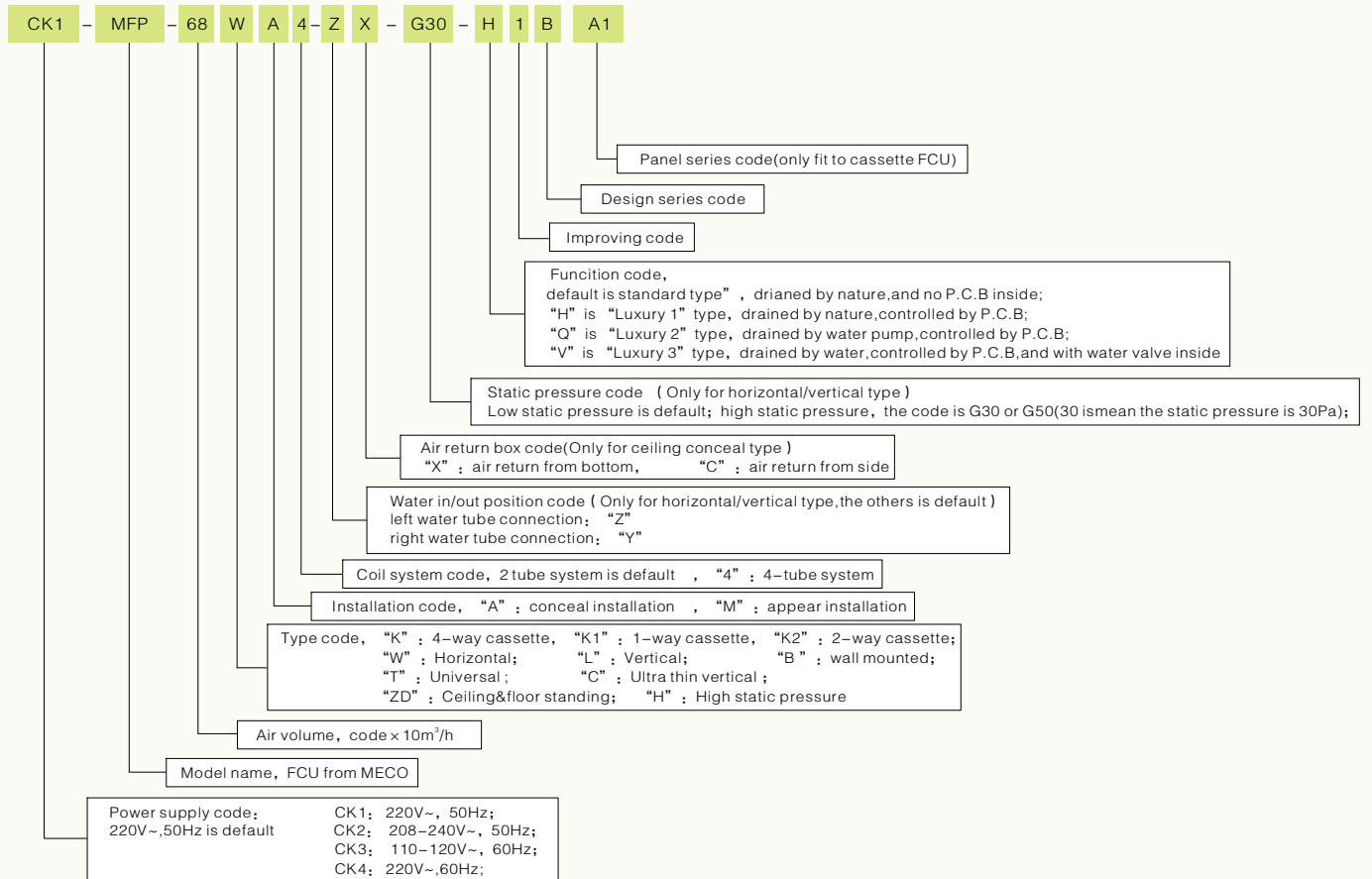
Type	Model	m ³ /h	200	300	400	500	600	DC motor (0-10V)
Ultra thin vertical fan coil unit(with casing)			✓	✓	✓	✓	✓	●
Ultra thin vertical conceal fan coil unit(without casing)			✓	✓	✓	✓	✓	●

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: 20°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: 20°C

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

Cassette type fan coil unit



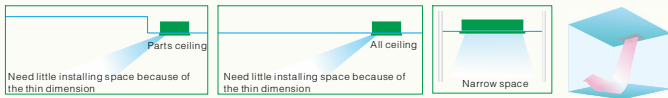


1-way cassette type fan coil unit

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)

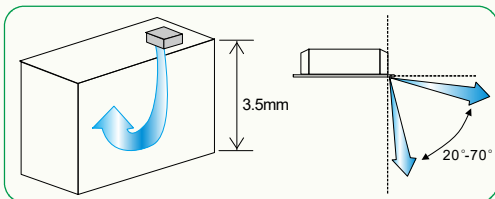


3、Remote controller is standard and wire controller is optional



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

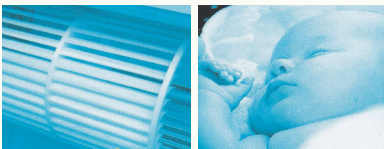


5、The wind guide bar of horizontal can be changed by manual .

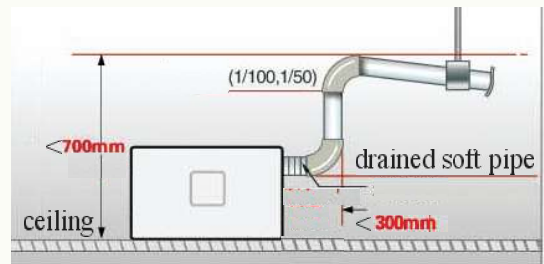


6、Quiet running

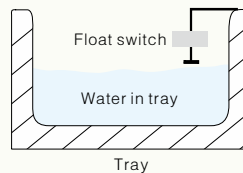
Double fan structure installed symmetrically, the unit running more stable



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

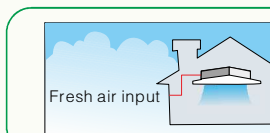


8、Float switch inside to prevent from leaking



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.

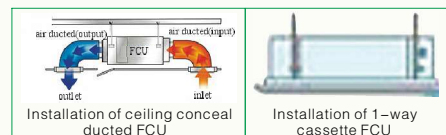
9、Fresh air can be inputed from outside



Fresh air can be input
The unit offer a conenction 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.

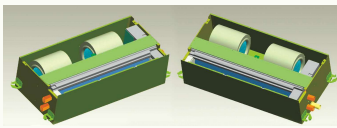


11、Fan and Fan motor is easy to maintain

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

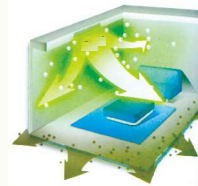


13、Left /right water tube connection can be selected



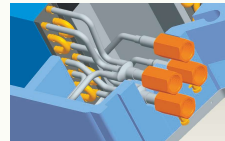
For example, when the FCU is used in hotel, we can select a correct pipe connection in order to reduce the job of water pipe installation, and also reduce the space demand for the pipe installing.

14、Negative ion generator is optional



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

15、4-tube system is optional



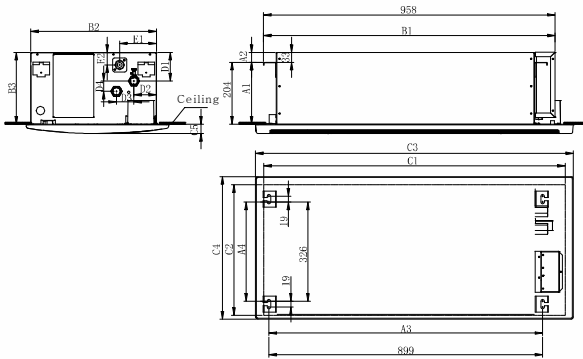
There are both cooling and heating water circle coil inside the unit, so the unit can deal with cooling or heating at the same time. 4-pipe system is always used in the place where need to deal with heating and cooling by refrigeration system at the same time. For example, a room need heating and another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

16、Water valve can be installed inside the unit.

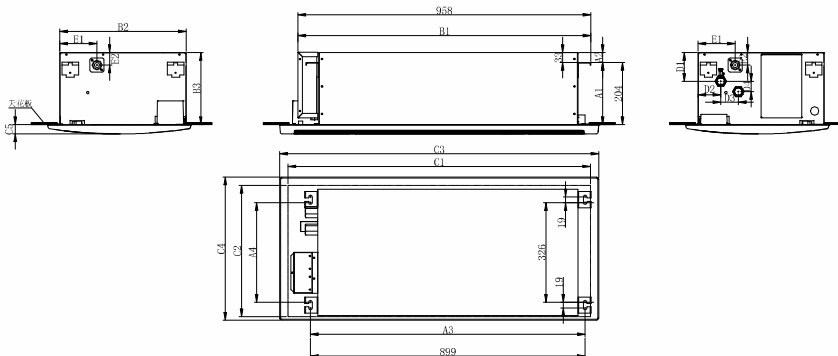
Water valve is used to control the on/off water flowing to the unit, we installed the valve into the unit, so the user do not need to installed it by themself.

Installing dimension

Left side water connection

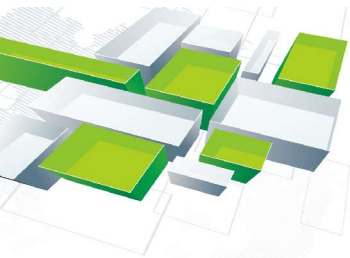


Right side water connection



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)	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	958 × 413 × 236	958 × 413 × 236	958 × 413 × 236	958 × 413 × 236
	Panel			1044 × 468 × 31			
Net weight	Unit	kg	22	22	23	23	
	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)	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	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	22	22	23	23	
	Panel	kg	4				

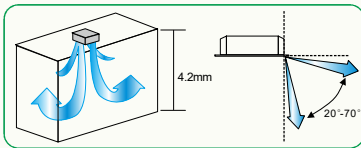
1-way cassette FCU performance (4 tube system)



4-way cassette type fan coil unit (Drained pump inside)(E style)

Characteristic

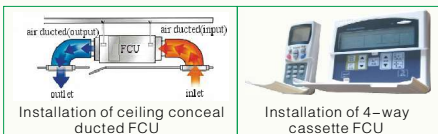
1、4-way air flowing, which can uniform temperature distribution in the room



2、Thin design unit which can be installed in a limit ceiling (the Min. thickness is 260mm)

3、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.



4、Remote controller is standard and wire controller is optional



5、Auto swing

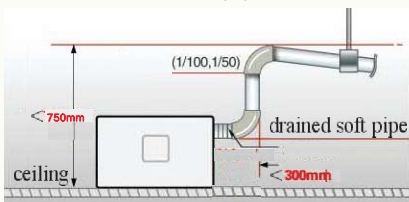
Using advanced 3D software to design the centrifugal fan with streamline and big diameter turbine.

6、Quiet running

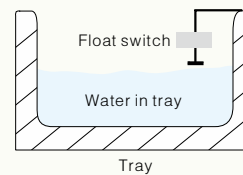
The efficiency of airflow rate, heavy wind volume and low noise is excellent. Because the ventilator wheel is processed to sine strip seam, which enhances its flexibility, and drops the vibration of ventilator during revolving in large scale, simultaneously reduced the motor noise caused by ventilator swinging.



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



8、Float switch inside to prevent from leaking

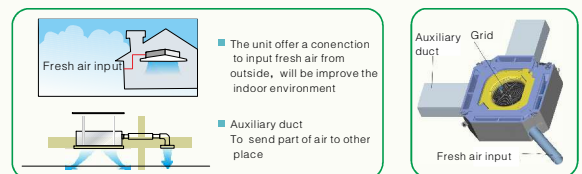


After the water raising to a certainly position, the float switch will act and alarm, then the unit will cut off the water valve or stop the fan motor.

9、Fresh air can be inputed from outside

Fresh air 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 condition.



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

11、Negative ion generator is optional

12、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 of bacteria inside too, draining out the dirty water is benefit to the health and also reduce the possible of pump blocking.

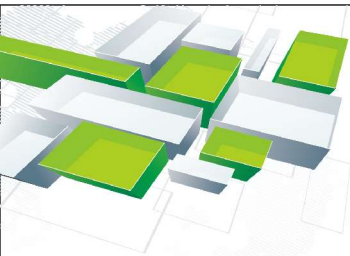
13、Grid is optional to prevent from hand injury

14、“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.

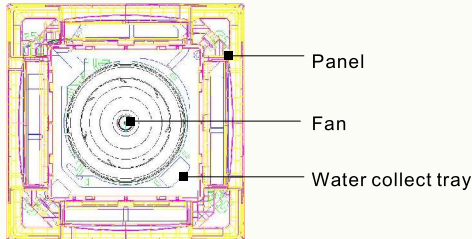
Blue fin extremely reduced the coagulate water detained in the aluminum flake, so it reduce the wind resistance, improved the efficiency of heat exchanger.





15、 Fan and fan motor is easy to maintain

After take out the air grid of the panel,we can easily take out the electric box,then the fan and fan motor can be easily taken out too.



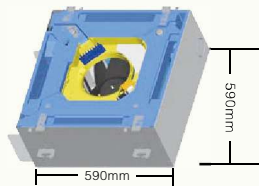
16、 Square panels ,which can choose the direction of inlet/outlet water connection freely

17、 Corner cover design makes installation and maintain conveniently.

It is no necessary to remove the panel when maintain.

after move the corner, you can adjust the hook and bolt easily

18、 The dimension of E1 unit is only 590×590mm, which can be installed in a standard ceiling opening.

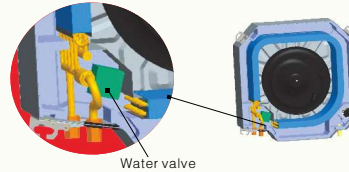


19、 Easily interfaced with most widely used Mod-bus and proprietary supervisory system based on Mod Bus protocol.



20、 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.



21、 Stainless steel hose can be installed to the unit and act as the inlet/outlet water connection of the unit(optional)

Stainless steel hose is used to reduce the concussion of water pipe ,big concussion will cause to broken and leaking.

we installed the stainless steel hose inside the unit,so the user do not need to install it again.

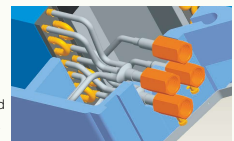
The pre-installed hose reduce also the leaking possible because it is welded to the coil by us.



22、 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.

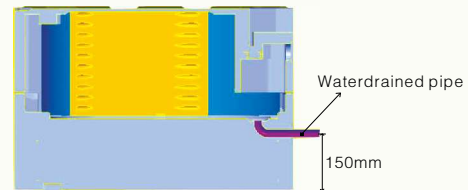


Characteristic

- 1、 Drained by nature,running stable because without water pump,P.C.B which is easy to damaged
- 2、 4-way air flowing,which can uniform temperature distribution in the room
- 3、 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.

4、 150mm drained dropping,drain water quickly.



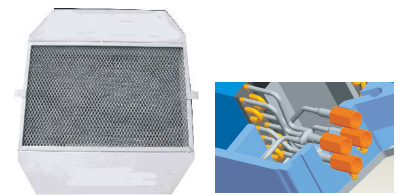
**4-way cassette type fan coil unit
(Drained by nature)(E style)**

- 5、 Quiet running
- 6、 The air flowing direction can be change by adjust the air guide bar
- 7、 Autoswing function and remote controller is optional after install the P.C.B system
- 8、 Fresh air can be input from outdoor to better indoor air quality
- 9、 Grial is optional to prevent from hand injury
- 10、 Fan and fan motor is easy to maintain
- 11、 Square panels ,which can choose the direction of inlet/outlet water connection freely
- 12、 Corner cover design makes installation and maintian coveniently.
- 13、 The dimension of E1 unit is only 590×590mm, which can be installed in a standard ceiling opening.
- 14、 Stainless steel hose can be installed as inlet/outlet water connection(optional)

15、 Matching nano–photocatalyst cleaning device(optional)

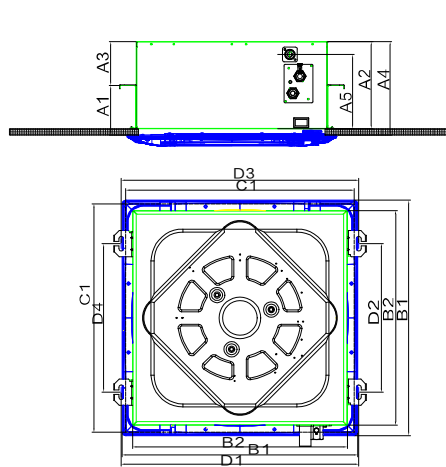
Efficient use of nano-TiO₂ Photocatalyst purification, with the degradation of chemical pollution Stained strong capacity, including formaldehyde, benzene degradation rate in one hour reached 71%, 90 minutes to kill the natural flora percentage rate of 83 or more;

The use of advanced photocatalysis can use non-UV light source, thus avoiding hidden dangers caused by ultraviolet radiation leakage;

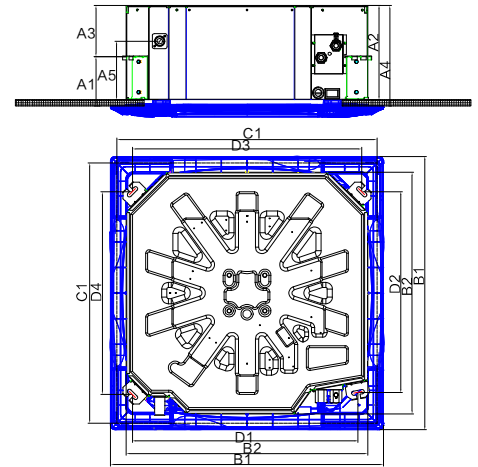


16、 4–tube system is optional

Installing dimension



Applicable models:
FP-34/51/68/KM-E1series



Applicable models:
FP-85/102/136/170/204/238KM-E2(3) series

Model	MARK	UNIT	"Luxury 2" type , "Luxury 3" type				"Luxury 1" type , "standard" type			
			MFP-34KM-QEE1	MFP-85KM-QEE2	MFP-136KM-QEE3	MFP-170KM-QEE3	MFP-34KM-EE1	MFP-85KM-EE2	MFP-136KM-EE3	MFP-170KM-EE3
			MFP-51KM-QEE1	MFP-102KM-QEE2		MFP-204KM-QEE3	MFP-51KM-EE1	MFP-102KM-EE2		MFP-204KM-EE3
			MFP-68KM-QEE1	MFP-136KM-QEE2		MFP-238KM-QEE3	MFP-68KM-EE1	MFP-136KM-EE2		MFP-238KM-EE3
distance from hook to ceiling	A1	(mm)	154-159	154-159	154-159	154-159	154-159	154-159	154-159	154-159
thickness of unit	A2	(mm)	270	293	250	293	420	443	405	443
distance from hook to top of unit	A3	(mm)	134	157	112	157	284	307	262	307
Mirr. Height of ceiling	A4	(mm)	290-295	313-318	263-293	313-318	440-445	463-468	413-430	463-468
distance from drained pipe to ceiling	A5	(mm)	230	182	206	182	136	136	136	136
width of panel	B1	(mm)	650	850	950	950	650	850	950	950
width of unit	B2	(mm)	593	752	822	822	593	752	822	822
ceiling opening dimension	C1	(mm)	610-630	780-810	875-910	875-910	610-630	780-810	875-910	875-910
hooks distance 1	D1	(mm)	635	672	735	735	635	672	735	735
hooks distance 2	D2	(mm)	387	620	671	671	387	620	671	671
hooks distance 3	D3	(mm)	635	680	745	745	635	680	745	745
hooks distance 4	D4	(mm)	387	636	669	669	387	636	669	669

4-way cassette FCU performance (2 tube system)

Model (2 - tube system)			MFP-34KM-(Q)EE1	MFP-51KM-(Q)EE1	MFP-68KM-(Q)EE1	MFP-85KM-(Q)EE2	MFP-102KM-(Q)EE2	MFP-136KM-(Q)EE2	MFP-136KM-(Q)EE3	MFP-170KM-(Q)EE3	MFP-204KM-(Q)EE3	MFP-238KM-(Q)EE3		
Model of unit			MFP-34KM-(Q)E1	MFP-51KM-(Q)E1	MFP-68KM-(Q)E1	MFP-85KM-(Q)E2	MFP-102KM-(Q)E2	MFP-136KM-(Q)E2	MFP-136KM-(Q)E3	MFP-170KM-(Q)E3	MFP-204KM-(Q)E3	MFP-238KM-(Q)E3		
Panel Type			MB-S****E1				MB-S****E2			MB-S****E3				
Power supply			220V,50Hz,1Ph											
Air volume	H	m ³ /h	340	510	680	850	1020	1300	1360	1700	2040	2380		
	M		280	380	515	660	765	1000	1040	1280	1550	1800		
	L		180	260	340	430	530	680	710	860	1050	1280		
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7000	7200	9000	10800	12600	
			BTU/h	6142	9212	12283	15354	18425	23884	24566	30708	36850	42991	
			W	1311	1971	2700	3184	4196	5158	5362	6707	8072	9070	
	SH	H	W	4473	6725	9212	10864	14317	17599	18295	22884	27542	30947	
			BTU/h	13111	19711	27001	31841	41961	51581	53621	67071	80721	90701	
			W	1500	2460	3000	3715	4423	6289	6435	7848	9296	10500	
	TH	M	W	994	1555	1995	2426	3041	4156	4236	5393	6603	7190	
			BTU/h	2841	4423	5641	6941	8541	11611	11941	15111	18711	20311	
			W	1391	2057	2479	2921	3793	5478	5604	7223	8534	8900	
SH	M	W	823	1200	1530	1826	2373	3196	3284	4416	5248	5500		
		BTU/h	2341	3421	4311	5211	6711	9011	9211	12311	14711	15511		
		W	2700	4050	5400	6750	8100	10500	10800	13500	16200	18900		
Heating capacity	H	W	2700	4050	5400	6750	8100	10500	10800	13500	16200	18900		
			M	1949	2770	3938	4902	5694	7687	7924	10473	12997	13900	
			L	1297	1774	2779	3505	3876	5342	5421	6992	8645	9700	
Noise	High speed	dB(A)	37	39	41	43	45	47	46	48	50	51		
Power input	High speed	W	37	52	62	76	96	125	134	152	189	228		
Waterflow volume	High speed	m ³ /h	0.31	0.46	0.62	0.77	0.93	1.19	1.23	1.54	1.85	2.16		
Pressure dropping	High speed	kPa	11.8	11.8	22.4	27	29.6	28.7	29.6	35.4	35.4	40		
Water tube connection(inlet)	ZG3/4"													
Water tube connection(outlet)	ZG3/4"													
Coil	Type	Hydrophilic aluminum fin to wear copper tube												
Max.working pressure	MPa	1.6												
Condensing water pipe	mm	φ26												
Net dimension	Drained by pump	L x W x H	590 x 590 x 270				752 x 752 x 293			822 x 822 x 250		822 x 822 x 293		
	Drained by nature		590 x 590 x 420				752 x 752 x 443			822 x 822 x 400		822 x 822 x 443		
	Panel		650 x 650 x 45				850 x 850 x 45					950 x 950 x 45		
Net weight	Drained by pump	kg	16	16	17.8	21.8	24	23.4	24.3	26.6	28	28		
	Drained by nature		17.5	17.5	19.5	24.3	26.2	26.2	26.3	30.8	31	31		
	Panel		2.2				4.5			6				

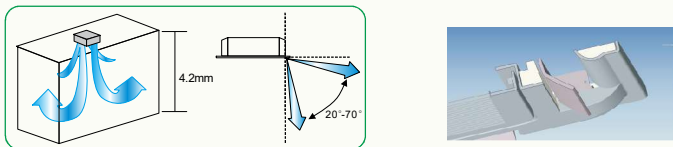
4-way cassette FCU performance (4 tube system)

Model (4 - tube system)			MFP-34KM4-(Q)EE1	MFP-51KM4-(Q)EE1	MFP-68KM4-(Q)EE1	MFP-85KM4-(Q)EE2	MFP-102KM4-(Q)EE2	MFP-136KM4-(Q)EE2	MFP-136KM4-(Q)EE3	MFP-170KM4-(Q)EE3	MFP-204KM4-(Q)EE3	MFP-238KM4-(Q)EE3		
Model of unit			MFP-34KM4-(Q)E1	MFP-51KM4-(Q)E1	MFP-68KM4-(Q)E1	MFP-85KM4-(Q)E2	MFP-102KM4-(Q)E2	MFP-136KM4-(Q)E2	MFP-136KM4-(Q)E3	MFP-170KM4-(Q)E3	MFP-204KM4-(Q)E3	MFP-238KM4-(Q)E3		
Panel Type			MB-S****E1				MB-S****E2			MB-S****E3				
Power supply			220V,50Hz,1Ph											
Air volume	H	m ³ /h	340	510	680	850	1020	1300	1360	1700	2040	2380		
	M		280	380	515	660	765	1000	1040	1280	1550	1800		
	L		180	260	340	430	530	680	710	860	1050	1280		
Cooling capacity	TH	H	W	1350	2030	2700	3380	4050	5100	5400	6750	8100	9450	
			BTU/h	4606	6926	9212	11533	13819	17401	18425	23031	27637	32243	
			W	1010	1520	2080	2450	3230	3980	4130	5160	6220	6989	
	SH	H	W	3446	5186	7097	8359	11021	13580	14092	17606	21223	23846	
			BTU/h	1130	1850	2250	2790	3320	4520	4830	5890	6970	7873	
			W	770	1200	1540	1870	2340	3010	3260	4150	5080	5532	
	TH	M	W	1040	1540	1860	2190	2840	3960	4200	5420	6400	6674	
			BTU/h	3001	4311	5211	6211	8011	10811	11511	14411	17311	17811	
			W	630	920	1180	1410	1830	2450	2530	3400	4040	4234	
SH	M	W	630	920	1180	1410	1830	2450	2530	3400	4040	4234		
		BTU/h	1801	2701	3401	4101	5101	6701	7001	8801	10601	11101		
		W	1080	1620	2160	2700	3240	4160	4320	5400	6480	7560		
Heating capacity	H	W	1080	1620	2160	2700	3240	4160	4320	5400	6480	7560		
			M	780	1108	1575	1961	2278	2990	3170	4189	5199	5560	
			L	519	710	1112	1402	1550	1980	2168	2797	3458	3880	
Noise	High speed	dB(A)	37	39	41	43	45	47	46	48	50	51		
Power input	High speed	W	37	52	62	76	96	125	134	152	189	228		
Waterflow volume	High speed	Cool	0.23	0.35	0.46	0.58	0.69	0.88	0.93	1.16	1.39	1.6		
		Heat	0.09	0.14	0.19	0.23	0.28	0.36	0.37	0.46	0.56	0.7		
Pressure dropping	Cool	Heat	8.26	8.26	15.68	18.9	20.72	21.25	20.72	24.78	24.78	40		
		Heat	3.54	3.54	6.72	8.1	8.88	9.01	8.88	10.62	10.62	16		
Water tube connection(inlet)	ZG3/4"													
Water tube connection(outlet)	ZG3/4"													
Coil	Type	Hydrophilic aluminum fin to wear copper tube												
Max.working pressure	MPa	1.6												
Condensing water pipe	mm	φ26												
Net dimension	Drained by pump	L x W x H	590 x 590 x 270				752 x 752 x 293			822 x 822 x 250		822 x 822 x 293		
	Drained by nature		590 x 590 x 420				752 x 752 x 443			822 x 822 x 400		822 x 822 x 443		
	Panel		650 x 650 x 45				850 x 850 x 45					950 x 950 x 45		
Net weight	Drained by pump	kg	18.5	18.5	18.5	25	25	25	25	29	29	29		
	Drained by nature		20	20	20	27	27	27	28	31	31	32		
	Panel		2.2				4.5			6				

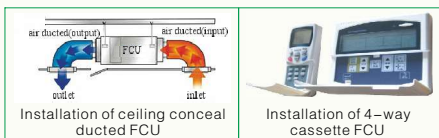


Characteristic

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.



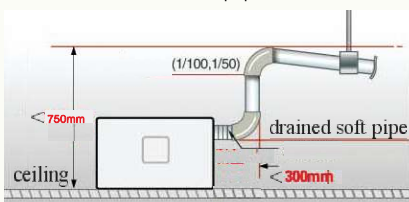
5、 Remote controller is standard and wire controller is optional



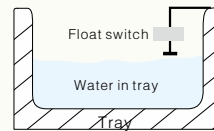
- 6、 Auto swing
Using advanced 3D software to design the centrifugal fan with streamline and big diameter turbine.
- 7、 Quiet running
The efficiency of airflow rate, heavy wind volume and low noise is excellent. Because the ventilator wheel is processed to sine strip seam, which enhances its flexibility, 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



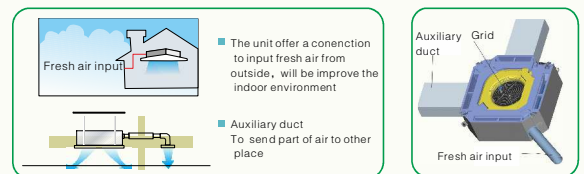
9、 Float switch inside to prevent from leaking



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 condition.



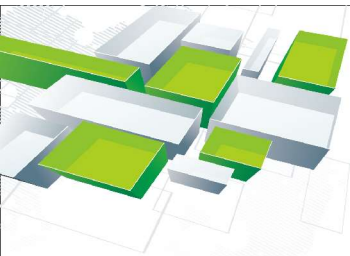
11、 Auxiliary duct is available to send part of air to other place, in order to improve indoor temperature/air quality

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.





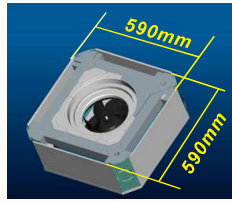
13、The water remain in the tray is easy to drained by manual.

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

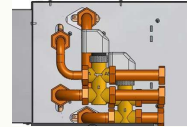
15、Fan and fan motor is easy to maintain

After take out the air grid of the panel,we can easily take out the eletric box,then the fan and fan motor can be easily taken out too.



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.



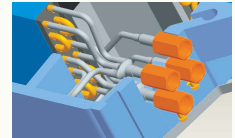
18、 Water valve can be installed outside the unit(optional).

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

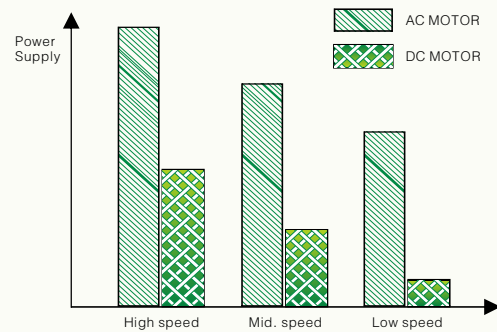
**Excellent performance——
Optional brushless DC motor, high efficiency and energy saving**

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.

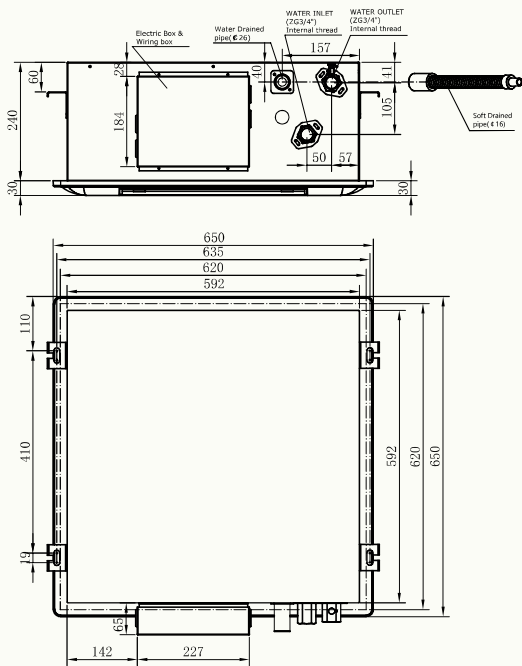
High electrical efficiency, low temperature rise and slow aging of internal components.



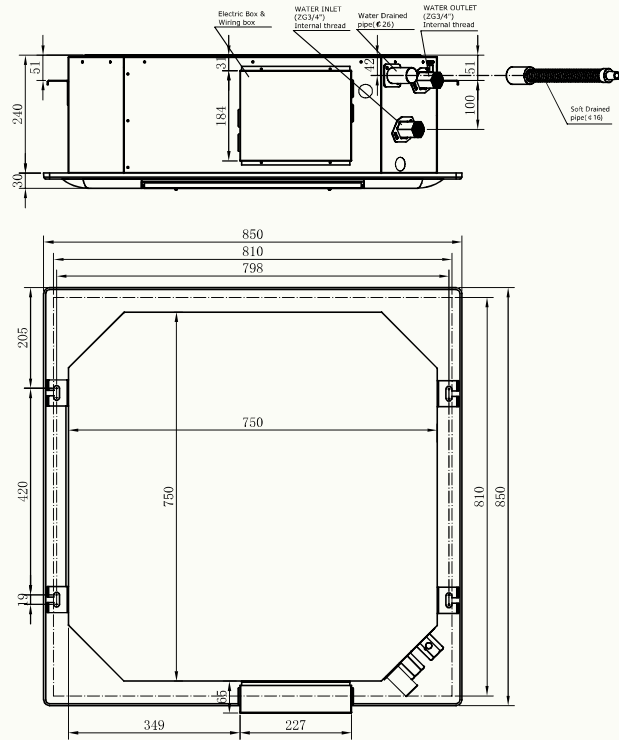
Remarkable energy conservation
The input power of high speed is about 50% of the constant speed motor.
The input power of medium speed is about 30% of the constant speed motor.
The input power of low speed is about 20% of the constant speed motor.

▶ Installing dimension

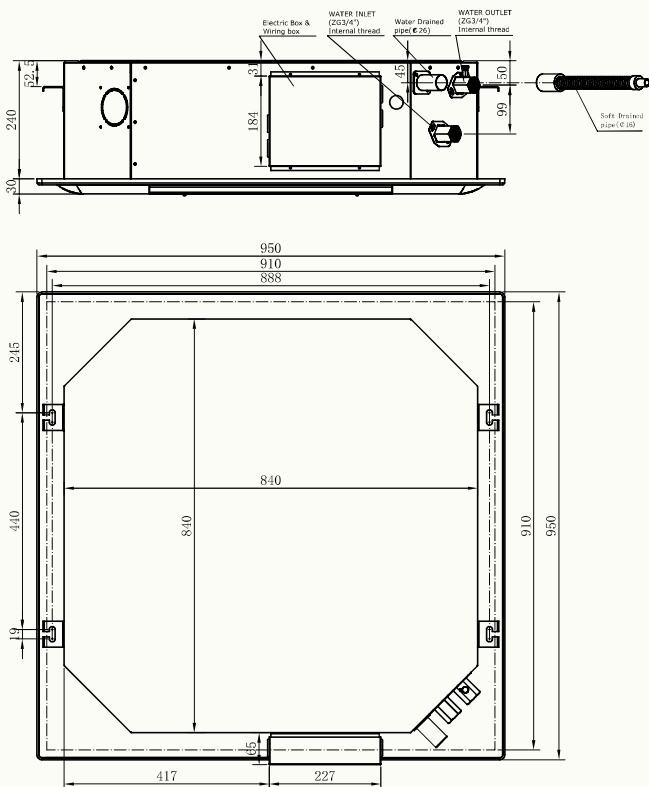
Model : MFP-34/51/68/80KM-QMK1



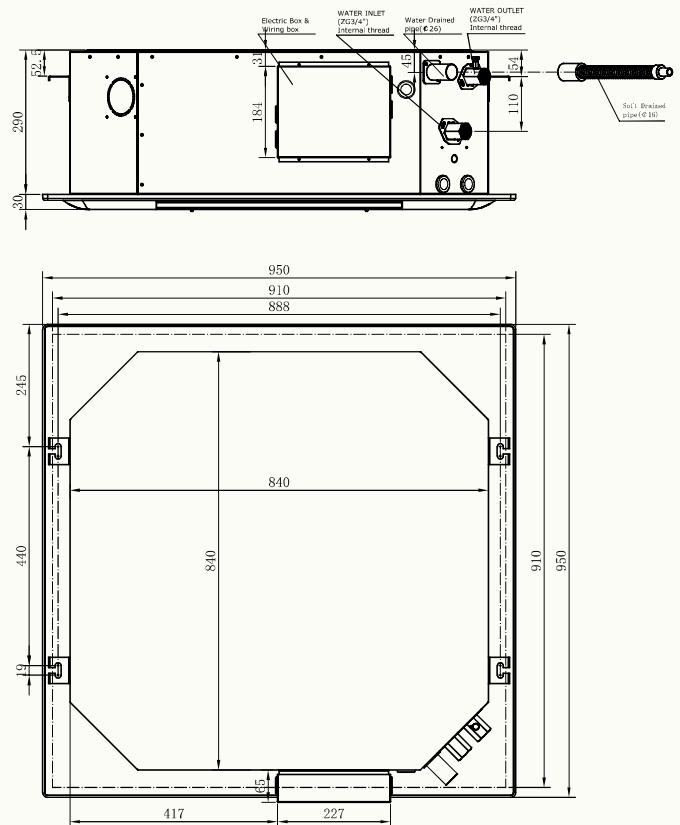
Model : MFP-85/102/136KM-QMK2



Model : MFP-136/153KM-QMK3



Model : MFP-170/204/238KM-QMK3



4-way cassette FCU performance (2 tube system)

Model (2-tube system)		MFP-34KM-(Q)MK1	MFP-51KM-(Q)MK1	MFP-68KM-(Q)MK1	MFP-80KM-(Q)MK1	MFP-85KM-(Q)MK2	MFP-102KM-(Q)MK2	MFP-136KM-(Q)MK2	MFP-153KM-(Q)MK3	MFP-170KM-(Q)MK3	MFP-204KM-(Q)MK3	MFP-238KM-(Q)MK3		
Model of unit		FP-34KM-(Q)M1	FP-51KM-(Q)M1	FP-68KM-(Q)M1	FP-80KM-(Q)M1	FP-85KM-(Q)M2	FP-102KM-(Q)M2	FP-136KM-(Q)M2	FP-153KM-(Q)M3	FP-170KM-(Q)M3	FP-204KM-(Q)M3	FP-238KM-(Q)M3		
Panel Type		MB-SD11K1				MB-SD11K2			MB-SD11K3					
Power supply		220V,50Hz,1Ph												
Air volume	H	380	550	680	780	880	1050	1300	1550	1750	2050	2200		
	M	300	440	540	620	700	840	1040	1240	1400	1640	1760		
	L	230	330	410	470	530	630	780	930	1050	1230	1320		
Static pressure		Pa												
		0	0	0	0	0	0	0	0	0	0	0		
Cooling capacity	TH	W	2000	3000	3800	4200	4900	5800	7000	8100	9800	11000	12000	
		BTU/h	6824	10236	12966	14300	16719	19790	23884	27637	33438	37532	40944	
		W	1400	2200	2850	3300	3500	4250	5250	5880	7150	8250	9100	
	SH	W	1700	2550	3250	3550	4150	4950	5950	6650	8350	9350	10200	
		BTU/h	4777	7506	9724	11260	11942	14501	17913	20060	24396	28149	31049	
		W	1150	1800	2350	2650	2850	3500	4350	4700	5950	6850	7650	
	TH	W	1400	2050	2600	2900	3400	4000	4850	5420	6750	7600	8300	
		SH	W	950	1400	1850	2100	2300	2800	3450	3850	4700	5450	6000
		W	3100	4700	5900	6500	7600	9000	10900	12200	15200	17100	18600	
Heating capacity	M	2650	4000	5000	5550	6450	7650	9250	10300	12900	14550	15800		
	L	2100	3150	3950	4350	5100	6050	7300	8140	10200	11450	12450		
	W	38	40	42	44	42	44	47	48	47	50	51		
Noise	High speed	dB(A)												
	W	40	50	58	60	70	95	125	145	160	190	210		
Power input	W	40	50	58	60	70	95	125	145	160	190	210		
Waterflow volume	m ³ /h	0.34	0.51	0.65	0.72	0.83	0.99	1.19	1.38	1.67	1.87	2.04		
Pressure dropping	kPa	11	13	22	25	18	25	30	23	28	33	42		
Water tube connection(inlet)	ZG3/4"													
Water tube connection(outlet)	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	1.6		
Condensing water pipe	mm	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26		
Net dimension	Drained by pump	590×590×242				750×750×242			840×840×242	840×840×292				
	Panel	650×650×40				850×850×40			950×950×40					
Net weight	Drained by pump	17	18	18	18.5	22	23	23	25	26	27	27		
	Panel	2.2				4.2			5					

4-way cassette FCU performance (4 tube system)

Model (4-tube system)		MFP-34KM4-(Q)MK1	MFP-51KM4-(Q)MK1	MFP-68KM4-(Q)MK1	MFP-80KM4-(Q)MK1	MFP-85KM4-(Q)MK2	MFP-102KM4-(Q)MK2	MFP-136KM4-(Q)MK2	MFP-153KM4-(Q)MK3	MFP-170KM4-(Q)MK3	MFP-204KM4-(Q)MK3	MFP-238KM-MK3		
Model of unit		FP-34KM4-(Q)M1	FP-51KM4-(Q)M1	FP-68KM4-(Q)M1	FP-80KM4-(Q)M1	FP-85KM4-(Q)M2	FP-102KM4-(Q)M2	FP-136KM4-(Q)M2	FP-153KM4-(Q)M3	FP-170KM4-(Q)M3	FP-204KM4-(Q)M3	FP-238KM-M3		
Panel Type		MB-SD11K1				MB-SD11K2			MB-SD11K3					
Power supply		220V,50Hz,1Ph												
Air volume	H	360	520	650	740	840	1000	1240	1480	1660	1950	2090		
	M	290	420	510	590	670	800	990	1180	1330	1560	1670		
	L	220	310	390	450	500	600	740	885	1000	1170	1250		
Static pressure		Pa												
		0	0	0	0	0	0	0	0	0	0	0		
Cooling capacity	TH	W	1950	2950	3700	4100	4800	5700	6850	7940	9600	10800	11750	
		BTU/h	6700	10050	12700	14050	16400	19400	23400	27100	32750	36800	40150	
		W	1350	2150	2800	3250	3450	4150	5150	5773	7000	8100	8900	
	SH	W	1650	2500	3200	3500	4050	4850	5850	6490	8200	9150	10000	
		BTU/h	4700	7350	9550	11050	11700	14200	17550	19650	23900	27600	30450	
		W	1150	1750	2300	2600	2800	3450	4250	4600	5850	6700	7500	
	TH	W	1350	2000	2550	2850	3350	3900	4750	5315	6600	7450	8150	
		SH	W	950	1350	1800	2050	2250	2750	3400	3800	4600	5350	5900
		W	1950	3000	3750	4150	4850	5750	6950	7780	9700	10900	11850	
Heating capacity	M	1700	2550	3200	3550	4100	4850	5900	6535	8200	9250	10050		
	L	1350	2000	2500	2750	3250	3850	4650	5200	6500	7300	7950		
	W	39	41	43	45	43	45	48	49	48	51	52		
Noise	High speed	dB(A)												
	W	40	50	58	60	70	95	125	130	160	190	210		
Power input	W	40	50	58	60	70	95	125	130	160	190	210		
	W	0.33	0.5	0.64	0.71	0.81	0.97	1.17	1.4	1.64	1.83	2		
Waterflow volume	Cool	0.33	0.5	0.64	0.71	0.81	0.97	1.17	1.4	1.64	1.83	2		
	Heat	0.22	0.33	0.42	0.46	0.54	0.64	0.77	0.86	1.08	1.21	1.32		
Pressure dropping	Cool	11	13	22	25	18	25	30	23	28	33	42		
	Heat	7	8	13	14	11	15	21	15	19	23	26		
Water tube connection(inlet)	ZG3/4"													
Water tube connection(outlet)	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	1.6		
Condensing water pipe	mm	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26		
Net dimension	Drained by pump	590×590×242				750×750×242			840×840×242	840×840×292				
	Panel	650×650×40				850×850×40			950×950×40					
Net weight	Drained by pump	19	20	20	20.5	24.5	25.5	25.5	27.5	29.5	29.5	30		
	Panel	2.2				4.2			5.9					



▶ Characteristic

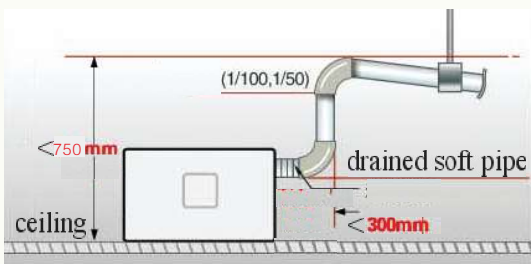
- 1、Surround Air flowing (8–way), there wind can arrive every where in the room(fit model 600/800/1000/1200/1400cfm)



- 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

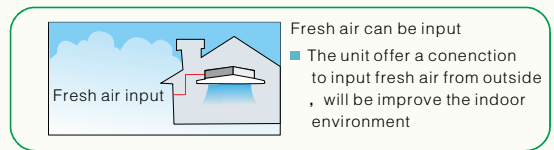


- 5、Quiet running
Because adopt bigger diameter fan, we can reduce the running speed of the fan, which will cause to lower noise.
- 6、High lift water drained pump (750mm), easy to plan the Condensate drained pipe



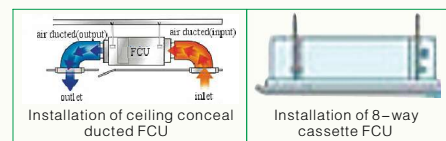
- 7、Auto swing
- 8、Float switch inside to prevent from leaking

- 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 coveniently.
- 16、The dimension of G1 unit is only 570×570, 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 inside the unit(optional).
- 19、Stainless steel hose can be installed to the unit and act as the inlet/outlet water connection of the unit(optional)
- 20、4–tube system is optional

➤ Dc motor is optional

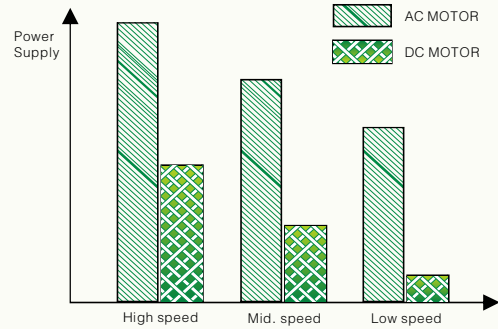
Excellent performance
Optional brushless DC motor, high efficiency and energy saving

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:

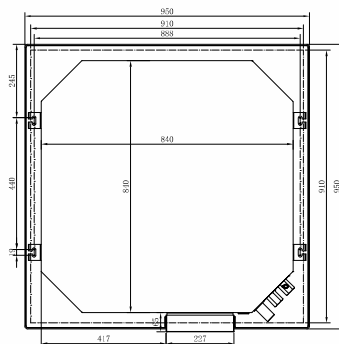
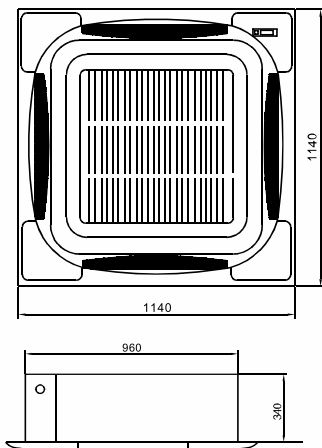
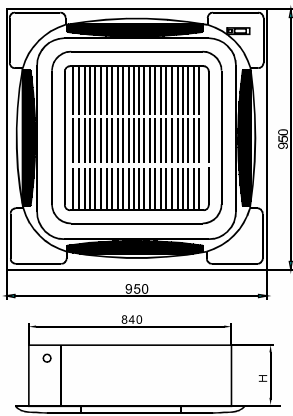
With plastic package, the humidity and dust will not easily access to the inner motor.

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

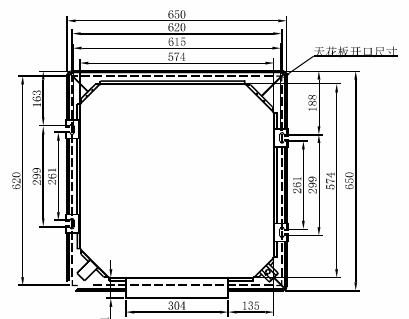
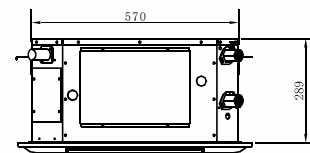
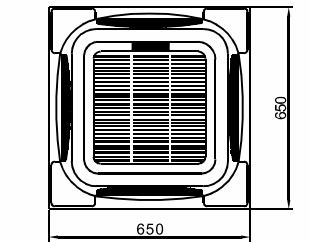
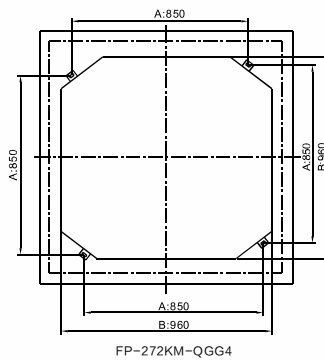


Remarkable energy conservation
 The input power of high speed is about 50% of the constant speed motor.
 The input power of medium speed is about 30% of the constant speed motor.
 The input power of low speed is about 20% of the constant speed motor.

➤ Installing dimension



机组厚度	FP-102KM-QGG3	FP-170KM-QGG3
H	242	292



FP-34KM-QGG1
 FP-51KM-QGG1
 FP-68KM-QGG1
 FP-85KM-QGG1

unit: mm

Model (2 –tube system)			MFP-34KM-(Q)GG1	MFP-51KM-(Q)GG1	MFP-68KM-(Q)GG1	MFP-85KM-(Q)GG1	MFP-102KM-(Q)GG3	MFP-136KM-(Q)GG3	MFP-170KM-(Q)GG3	MFP-204KM-(Q)GG3	MFP-238KM-(Q)GG3	MFP-272KM-(Q)GG4		
Model of unit			FP-34KM-(Q)G1	FP-51KM-(Q)G1	FP-68KM-(Q)G1	FP-85KM-(Q)G1	FP-102KM-(Q)G3	FP-136KM-(Q)G3	FP-170KM-(Q)G3	FP-204KM-(Q)G3	FP-238KM-(Q)G3	FP-272KM-(Q)G4		
Panel Type			MB-S****G1				MB-S****G3					MB-S****G4		
Power supply			220V,50Hz,1Ph											
Air volume	H	m³/h	340	510	680	850	1020	1360	1700	2040	2380	2720		
	M		280	380	515	660	765	1040	1280	1550	1800	2300		
	L		180	260	340	430	530	710	860	1050	1280	1730		
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800	12600	14400	
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991	49133	
			W	1311	1971	2700	3184	4196	5362	6707	8072	9070	11970	
	SH	H	BTU/h	4473	6725	9212	10864	14317	18295	22884	27542	30947	40482	
			W	1500	2460	3000	3715	4423	6435	7848	9296	10500	12968	
			M	W	994	1555	1995	2426	3041	4236	5393	6603	7190	8925
	TH	M	W	1391	2057	2479	2921	3793	5604	7223	8534	8900	11550	
			L	W	823	1200	1530	1826	2373	3284	4416	5248	5500	7245
			SH	W	2700	4050	5400	6750	8100	10800	13500	16200	18900	21600
Heating capacity	M	W	1949	2770	3938	4902	5694	7924	10473	12997	13900	18375		
		L	W	1297	1774	2779	3505	3876	5421	6992	8645	9700	15750	
		Noise	High speed	dB(A)	37	39	41	43	45	46	48	50	51	53
Power input	High speed	W	37	52	62	76	96	134	152	189	228	250		
		Waterflow volume	m³/h	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	2.46	
Pressure dropping		kPa	16	18	22.4	27	29.6	29.6	35.4	35.4	40	40		
Water tube connection(inlet)			ZG3/4"	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"	ZG3/4"		
Coil	Type		高效铜管穿亲水铝箔翅片											
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		¢26	¢26	¢26	¢26	¢26	¢26	¢26	¢26	¢26	¢26		
Net dimension	unit	L x W x H mm	570 × 570 × 290				840 × 840 × 242		840 × 840 × 292			960 × 960 × 290		
	Panel		650 × 650 × 30											
Net weight	unit	kg	19	19	20	21	24	25	28	28	30	36		
	Panel		2				6					8		

Surround air flow FCU performance (2 tube system)

Model (4 –tube system)			MFP-34KM4-(Q)GG1	MFP-51KM4-(Q)GG1	MFP-68KM4-(Q)GG1	MFP-85KM4-(Q)GG1	MFP-102KM4-(Q)GG3	MFP-136KM4-(Q)GG3	MFP-170KM4-(Q)GG3	MFP-204KM4-(Q)GG3	MFP-238KM4-(Q)GG3	MFP-272KM4-(Q)GG4		
Model of unit			FP-34KM4-(Q)G1	FP-51KM4-(Q)G1	FP-68KM4-(Q)G1	FP-85KM4-(Q)G1	FP-102KM4-(Q)G3	FP-136KM4-(Q)G3	FP-170KM4-(Q)G3	FP-204KM4-(Q)G3	FP-238KM4-(Q)G3	FP-272KM4-(Q)G4		
Panel Type			MB-S****G1				MB-S****G3					MB-S****G4		
Power supply			220V,50Hz,1Ph											
Air volume	H	m³/h	340	510	680	850	1020	1360	1700	2040	2380	2720		
	M		280	380	515	660	765	1040	1280	1550	1800	2300		
	L		180	260	340	430	530	710	860	1050	1280	1730		
Static pressure		Pa	0	0	0	0	0	0	0	0	0	0		
Cooling capacity	TH	H	W	1350	2030	2700	3380	4050	5400	6750	8100	9450	11760	
			BTU/h	4606	6926	9212	11533	13819	18425	23031	27637	32243	40125	
			W	1010	1520	2080	2450	3230	4130	5160	6220	6989	8820	
	SH	H	BTU/h	3446	5186	7097	8359	11021	14092	17606	21223	23846	30093	
			W	1130	1850	2250	2790	3320	4830	5890	6970	7873	9996	
			M	W	770	1200	1540	1870	2340	3260	4150	5080	5532	6997
	TH	M	W	1040	1540	1860	2190	2840	4200	5420	6400	6674	8825	
			L	W	630	920	1180	1410	1830	2530	3400	4040	4234	5601
			SH	W	1080	1620	2160	2700	3240	4320	5400	6480	7560	9070
Heating capacity	M	W	780	1108	1575	1961	2278	3170	4189	5199	5560	7330		
		L	W	519	710	1112	1402	1550	2168	2797	3458	3880	6250	
		Noise	High speed	dB(A)	37	39	41	43	45	46	48	50	51	53
Power input	High speed	W	37	52	62	76	96	134	152	189	228	250		
		Waterflow volume	Cool	m³/h	0.23	0.35	0.46	0.58	0.69	0.93	1.16	1.39	1.6	1.98
Pressure dropping	Heat		m³/h	0.09	0.14	0.19	0.23	0.28	0.37	0.46	0.56	0.7	0.74	
	Water tube connection(inlet)	Cool	kPa	8.26	8.26	15.68	18.9	20.72	20.72	24.78	24.78	40	42	
Water tube connection(outlet)		Heat	kPa	3.54	3.54	6.72	8.1	8.88	8.88	10.62	10.62	16	18	
	Water tube connection(inlet)	Cooling and heating coil		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	
Water tube connection(outlet)	Cooling and heating coil		ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Coil	Type		高效铜管穿亲水铝箔翅片											
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		¢26	¢26	¢26	¢26	¢26	¢26	¢26	¢26	¢26	¢26		
Net dimension	unit	L x W x H mm	570 × 570 × 290				840 × 840 × 242		840 × 840 × 292			960 × 960 × 290		
	Panel		650 × 650 × 30											
Net weight	unit	kg	19	19	20	21	24	25	28	28	30	36		
	Panel		2				6					8		

Surround air flow FCU performance (4 tube system)



HIGH WALL MOUNTED TYPE FAN COIL UNIT

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

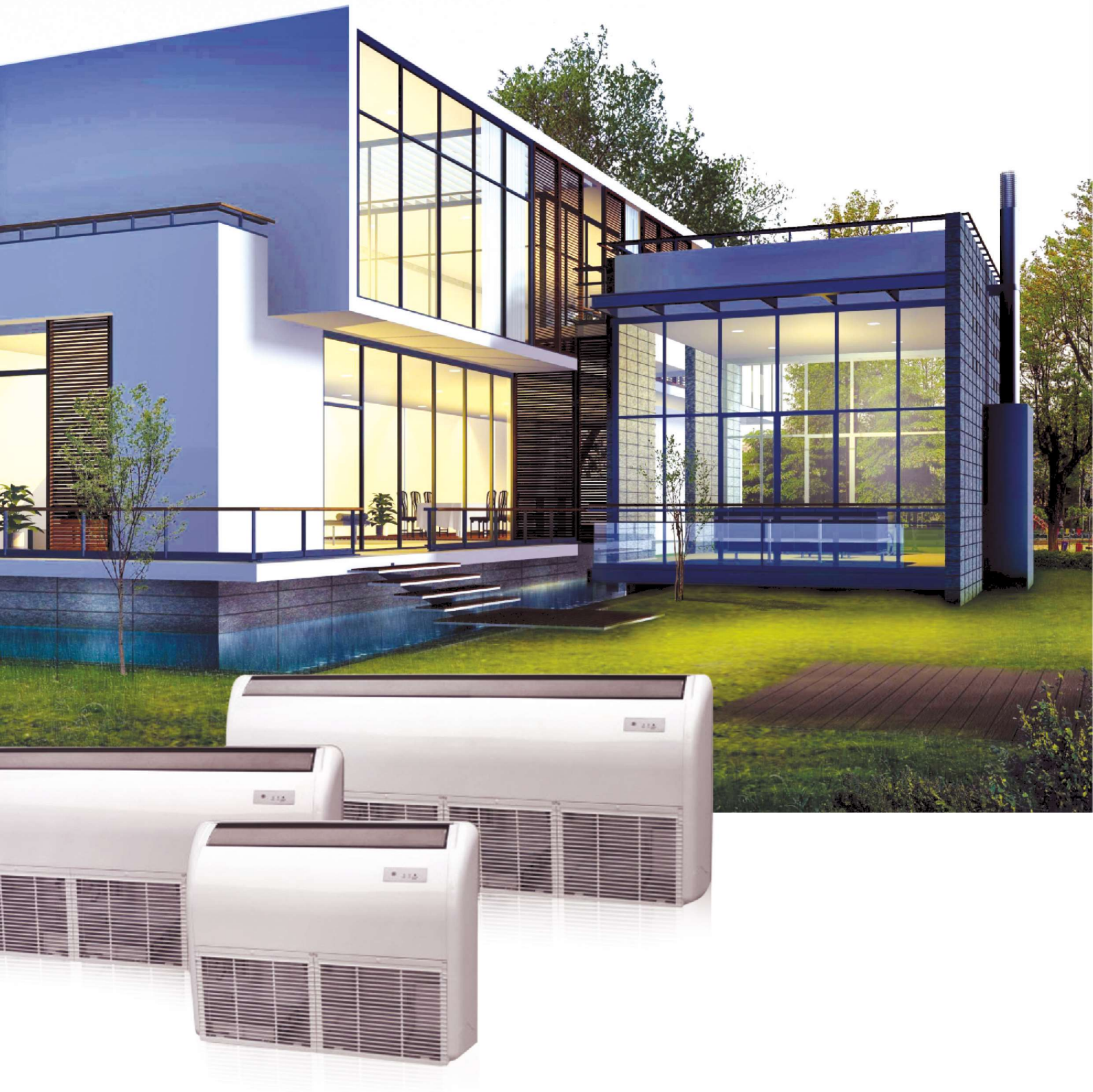


Performance

High wall mounted FCU standard type

Model (2 -tube system)			MFP-34BM	MFP-51BM	MFP-68BM	MFP-85BM	MFP-102BM	MFP-136BM	
Power supply			220V,50Hz,1Ph						
Air volume	H	m ³ /h	340	510	680	850	1020	1360	
	M		260	380	515	660	765	1010	
	L		180	260	340	430	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	M	BTU/h	4606	6909	9212	11516	13819	18424
			W	1476	2214	2952	3690	4428	5904
			W	978	1399	1963	2409	3044	3926
	TH	L	W	1098	1647	2196	2745	3294	4392
			W	649	960	1355	1715	2060	2710
			W	2700	4050	5400	6750	8100	10800
Heating capacity	H	W	2146	3219	4293	5366	6439	8586	
	M	W	1512	2268	3024	3780	4536	6048	
	L	W							
Noise	High speed	dB(A)	37	39	41	43	45	46	
Power input	High speed	W	30	38	45	50	90	100	
Waterflow volume	High speed	m ³ /h	0.31	0.46	0.62	0.77	0.93	0.93	
Pressure dropping		kPa	16	18	20	21	22.5	23.5	
Water tube connection(inlet)			ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	
Water tube connection(outlet)			ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	
Coil		Type	高效铜管穿条水箔铝翅片 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	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	ZG 1/2"	
Net dimension	L×W×H	mm	850X300X198	850X300X198	970X315X235	970X315X235	1100X330X235	1100X330X235	
Net weight		kg	11.2	11.2	14.5	14.5	16.5	16.5	

Ceiling floor type fan coil unit

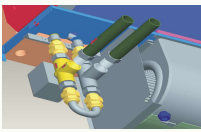


Characteristic

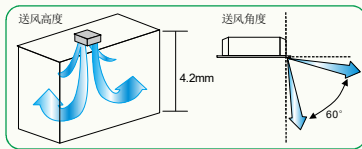
- 1、 Classical elegant design
- 2、 Can be installed by ceiling mounted, floor standing or wall mounted



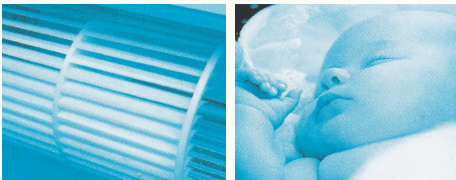
- 3、 Remote controller is standard and wire controller is optional



- 4、 Wide air flowing range



- 5、 Auto swing
- 6、 Quiet running



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

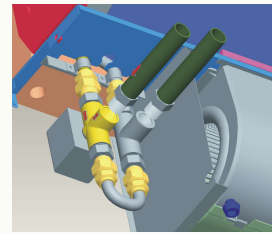


- 8、 Easily interfaced with most widely used BMS and proprietary supervisory system based on mod Bus protocol.



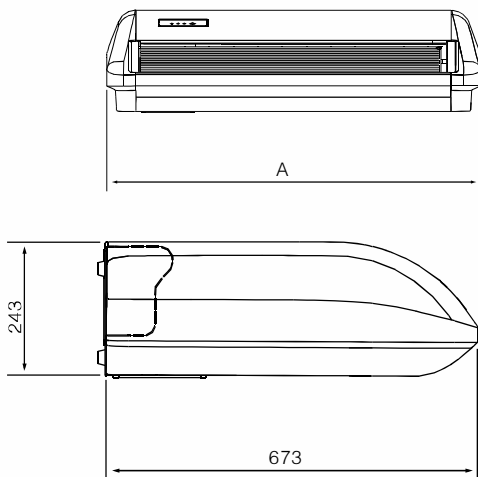
- 9、 Water valve can be installed inside the unit(optional).

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.

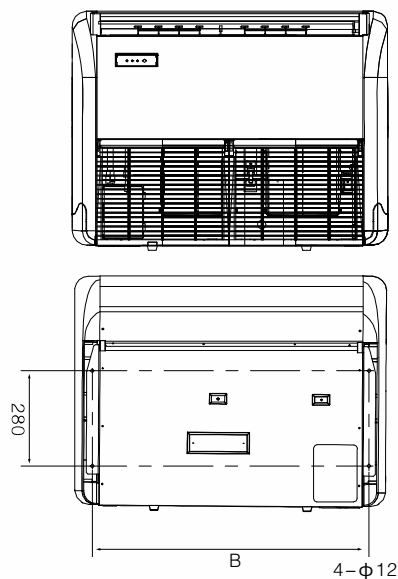


- 10、 4-tube system is optional

Installing dimension



Connect pipe site



Unit: mm

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

▶ Performance

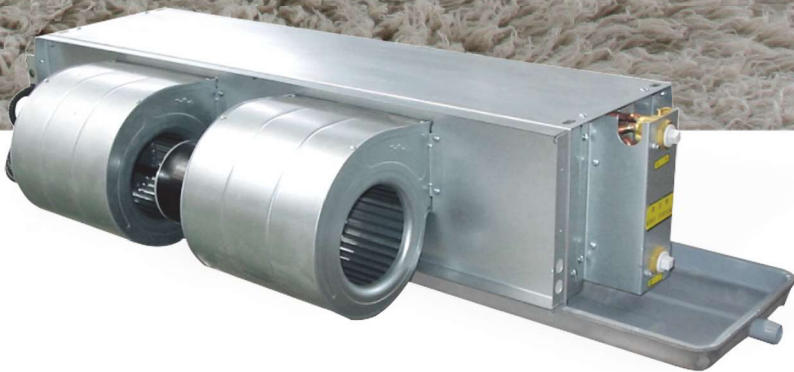
Ceiling&floor type FCU(2-tube system)

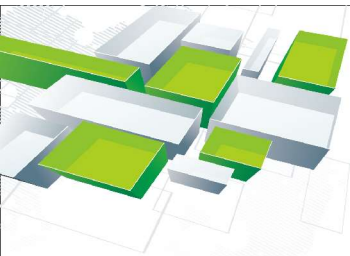
Model(2-tube system)			MFP-51ZDM	MFP-68ZDM	MFP-85ZDM	MFP-102ZDM	MFP-136ZDM	MFP-170ZDM	MFP-204ZDM	MFP-238ZDM	
Power supply			220V,50Hz,1Ph								
Air volume	H	m ³ /h	510	680	850	1020	1360	1700	2040	2380	
	M		380	515	660	765	1040	1280	1550	1800	
	L		260	340	430	530	710	860	1050	1280	
Static pressure		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		39	41	43	45	46	48	50	51	
Noise	High speed	dB(A)	52	62	76	96	134	152	189	228	
Power input	High speed	W	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
Waterflow volume	High speed	m ³ /h	11.8	13.6	21	23	25	32	33	38	
Pressure dropping		kPa	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	
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	1.6	
Condensation pipe size (diameter)	mm	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	
Net dimension	L×W×H	905×673×243			1288×673×243			1672×673×243			
Net weight	kg	26	28	30	38	40	42	45	45	45	

Ceiling&floor type FCU(4-tube system)

Model (4-tube system)			MFP-51ZDM4	MFP-68ZDM4	MFP-85ZDM4	MFP-102ZDM4	MFP-136ZDM4	MFP-170ZDM4	MFP-204ZDM4	MFP-238ZDM4	
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	2025	2700	3375	4050	5400	6750	8100	9450
			BTU/h	6909	9212	11516	13819	18425	23031	27637	32243
			W	1532	2102	2444	3281	4146	5194	6244	6978
	SH	M	BTU/h	5227	7172	8339	11195	14146	17722	21305	23809
			W	1864	2273	2814	3350	4874	5945	7042	7954
			W	1210	1552	1887	2365	3294	4194	5135	5592
	TH	L	W	1559	1878	2213	2873	4245	5471	6464	6742
			W	933	1190	1420	1846	2554	3434	4081	4277
			W	1620	2160	2700	3240	4320	5400	6480	7560
Heating capacity	H	W	1117	1588	1976	2296	3195	4223	5240	5604	
	M		715	1120	1413	1563	2186	2819	3486	3911	
	L		39	41	43	45	46	48	50	51	
Noise	High speed	dB(A)	52	62	76	96	134	152	189	228	
Power input	High speed	W	0.34	0.45	0.56	0.67	0.89	1.11	1.33	1.55	
Waterflow volume	High speed	Cooling tube	0.14	0.19	0.24	0.29	0.39	0.49	0.59	0.69	
		Heating tube	8.4	9.7	14.9	16.3	17.8	22.7	23.4	27	
Pressure dropping		Cooling tube	3.5	4.1	6.3	6.9	7.5	9.6	9.9	11.4	
		Heating tube	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	ZG3/4*	
Water tube connection(inlet)	Cooling/heating tube		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	1.6	
Condensation pipe size (diameter)	mm	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	φ 26	
Net dimension	L×W×H	905×673×243			1288×673×243			1672×673×243			
Net weight	kg	27	29	31	39	41	43	46	46	46	

Ceiling conceal ducted type fan coil unit





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;

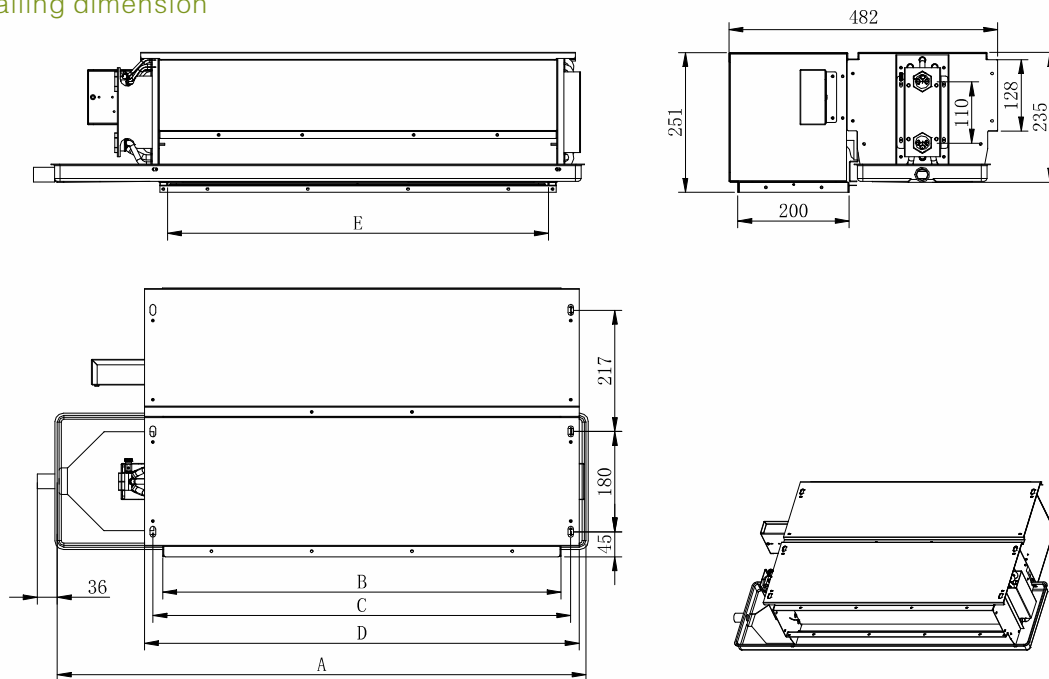
6、 High efficiency

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



MODEL	MFP-34WA	MFP-51WA	MFP-68WA	MFP-85WA	MFP-102WA	MFP-136WA	FP-170WA	MFP-204WA	MFP-238WA
A	755	855	955	1080	1175	1460	1650	1915	2150
B	515	615	715	840	935	1220	1410	1675	1910
C	550	650	750	875	970	1255	1445	1710	1945
D	580	680	780	905	1000	1285	1475	1740	1975
E	485	585	685	810	905	1190	1380	1645	1880

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

Model(2-tube system)		MFP-34WA	MFP-51WA	MFP-68WA	MFP-85WA	MFP-102WA	MFP-136WA	MFP-170WA	MFP-204WA	MFP-238WA		
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)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	
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	1341	2012	2682	3353	4023	5364	6705	8046	9387
	SH	M	BTU/h	4575	6865	9151	11440	13726	18302	22877	27453	32028
			W	1458	2187	2916	3645	4374	5832	7290	8748	10206
			W	1152	1728	2304	2880	3455	4607	5759	6911	8063
TH	L	W	1134	1701	2268	2835	3402	4536	5670	6804	7938	
		W	930	1395	1860	2325	2790	3720	4649	5579	6509	
Heating capacity	H	W	2700	4050	5400	6750	8100	10800	13500	16200	18900	
	M		2079	3119	4158	5198	6237	8316	10395	12474	14553	
	L		1634	2450	3267	4084	4901	6534	8168	9801	11435	
Noise	High speed	12Pa	37	39	41	43	45	46	48	50	52	
		30Pa	39	41	43	45	48	49	50	52	54	
Power input	High speed	12Pa	34	41	59	73	91	118	146	182	216	
		30Pa	41	54	65	82	98	132	168	206	247	
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	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	1.6	
Condensation pipe size (diameter)		mm	DN20(External thread)									
Net dimension		LxWxH	755 × 482 × 235	855 × 482 × 235	955 × 482 × 235	1080 × 482 × 235	1175 × 482 × 235	1460 × 482 × 235	1650 × 482 × 235	1915 × 482 × 235	2150 × 482 × 235	
Net weight		kg	15.4	18	20	22	24	32	36	40	45	

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

Model (4-tube system)		MFP-34WA4	MFP-51WA4	MFP-68WA4	MFP-85WA4	MFP-102WA4	MFP-136WA4	MFP-170WA4	MFP-204WA4	MFP-238WA4		
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)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	
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	1341	2012	2682	3353	4023	5364	6705	8046	9387
	SH	M	BTU/h	4575	6865	9151	11440	13726	18302	22877	27453	32028
			W	1458	2187	2916	3645	4374	5832	7290	8748	10206
			W	1152	1728	2304	2880	3455	4607	5759	6911	8063
TH	L	W	1134	1701	2268	2835	3402	4536	5670	6804	7938	
		W	930	1395	1860	2325	2790	3720	4649	5579	6509	
Heating capacity	H	W	1080	1620	2160	2700	3240	4320	5400	6480	7560	
	M		832	1248	1663	2079	2495	3326	4158	4990	5821	
	L		654	980	1307	1634	1960	2614	3267	3920	4574	
Noise	High speed	12Pa	37	39	41	43	45	46	48	50	52	
		30Pa	39	41	43	45	48	49	50	52	54	
Power input	High speed	12Pa	34	41	59	73	91	118	146	182	216	
		30Pa	41	54	65	82	98	132	168	206	247	
Waterflow volume	High speed	Cooling tube	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
		Heating tube	0.12	0.18	0.25	0.31	0.37	0.49	0.62	0.74	0.86	
Pressure dropping		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)			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	1.6	
Condensation pipe size (diameter)		mm	DN20(External thread)									
Net dimension		LxWxH	755 × 482 × 235	855 × 482 × 235	955 × 482 × 235	1080 × 482 × 235	1175 × 482 × 235	1460 × 482 × 235	1650 × 482 × 235	1915 × 482 × 235	2150 × 482 × 235	
Net weight		kg	17	19	21	24	25	35	38	43	48	

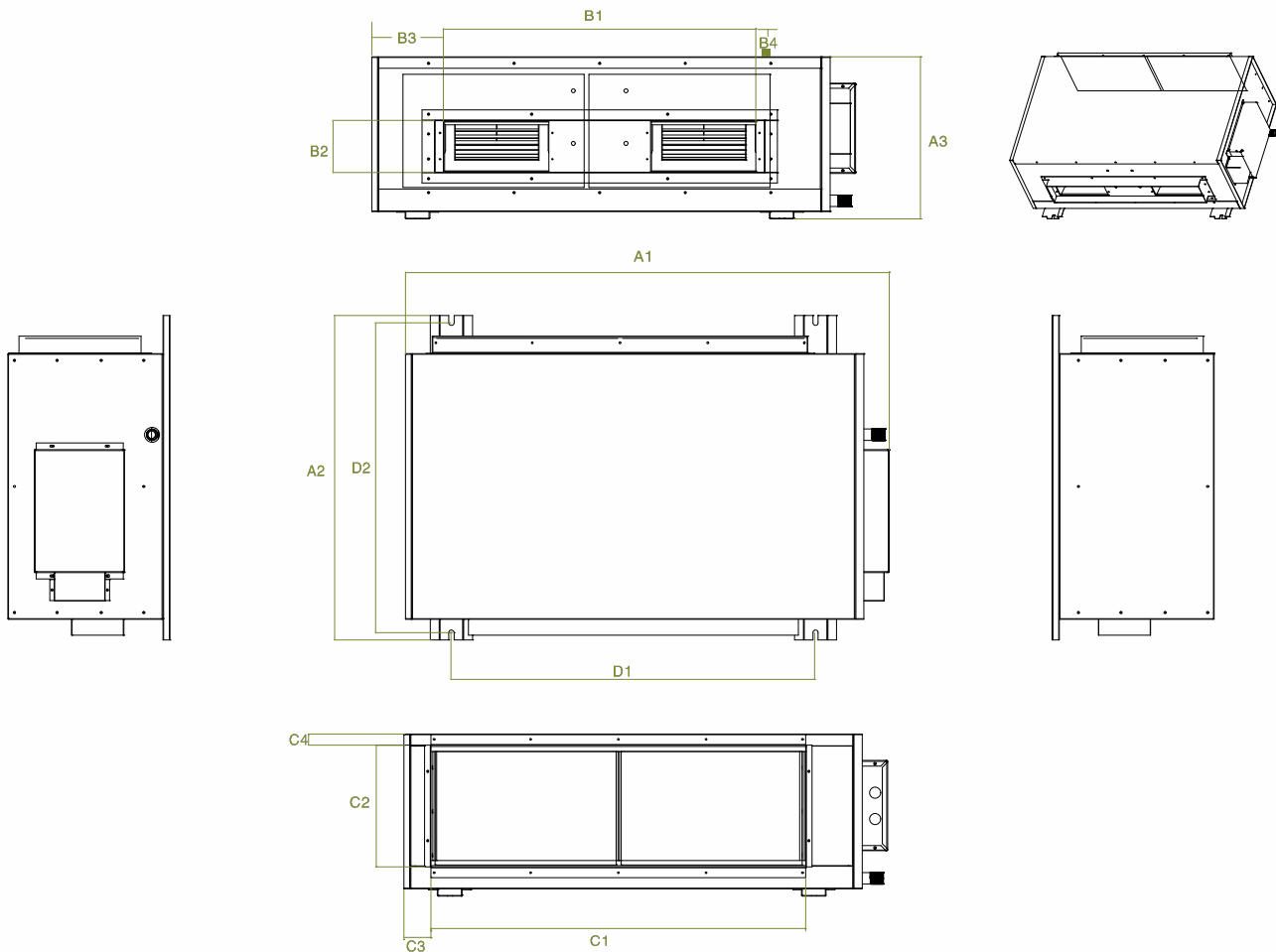
High static pressure ducted type fan coil unit



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	m ³ /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	13500	16200	18900	
Heating capacity	H		W	10395	12474	14553
	M		W	8168	9801	11435
	L		W	50	52	54
Noise	High speed		dB(A)	420	450	520
Power input	High speed		W	1.54	1.85	2.16
Waterflow volume	High speed		m ³ /h	22	30	36
Pressure dropping			kPa	ZG7/4*	ZG7/4*	ZG7/4*
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)

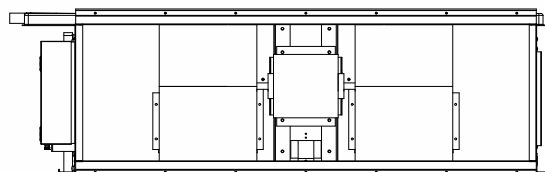
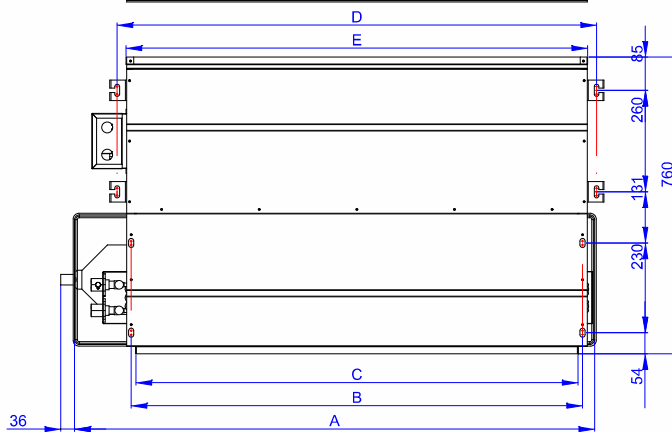
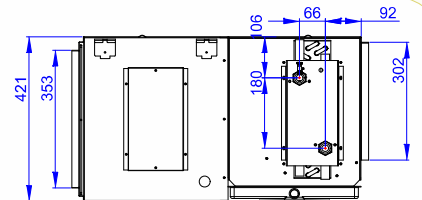
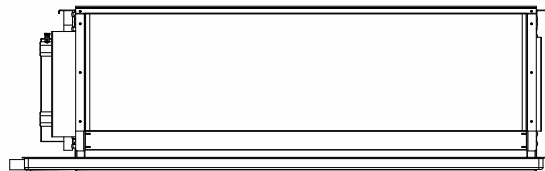
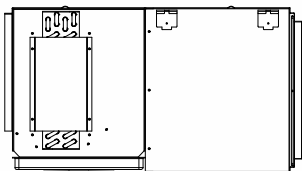
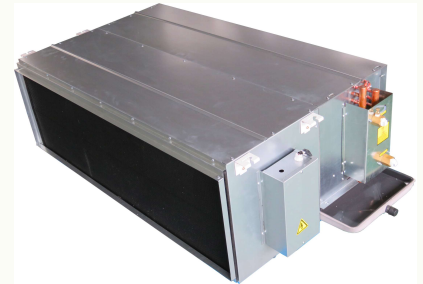
Model (4-tube system)			MFP-170HA4	MFP-204HA4	MFP-238HA4	
Power supply			220V,50Hz,1Ph			
Air volume	H	m ³ /h	1700	2040	2380	
	M		1280	1550	1800	
	L		860	1050	1280	
Static pressure			Pa	120	100	80
Cooling capacity	TH	H	W	9000	10800	12600
			BTU/h	30708	36850	42991
			W	6705	8046	9387
	SH	M	BTU/h	22877	27453	32028
			W	7290	8748	10206
			W	5759	6911	8063
TH	L	W	5670	6804	7938	
		W	4649	5579	6509	
		W	6500	7800	9100	
Heating capacity	H		W	5090	6110	7130
	M		W	4080	4900	5720
	L		W	50	52	54
Noise	High speed		dB(A)	420	450	520
Power input	High speed		W	1.54	1.85	2.16
Waterflow volume	High speed	Cooling tube	m ³ /h	0.56	0.68	0.79
		Heating tube	m ³ /h	22	30	36
Pressure dropping	High speed	Cooling tube	kPa	9	12	15
		Heating tube	kPa	ZG7/4*	ZG7/4*	ZG7/4*
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)

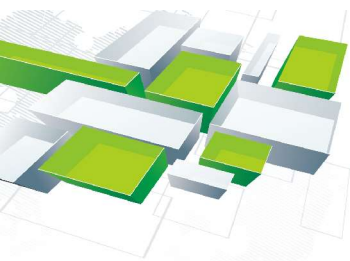


Characteristic

- 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



MECO

HIGH STATIC PRESSURE DUCT TYPE FAN COIL UNIT

Model (2-tube system)			MFP-136HAW	MFP-170HAW	MFP-204HAW	MFP-238HAW	MFP-272HAW	MFP-306HAW	MFP-340HAW	MFP-340HAW	
Power supply			220V, 50Hz, 1 Ph								
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
			W	5350	6650	8000	9350	10650	12000	13350	16000
	SH	H	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	M	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	M	W	8200	10250	12300	14350	16400	18450	20500	24600	
		W	7000	8800	10550	12300	14050	15800	17550	21050	
		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 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								
Condensing water pipe			mm DN20(External thread)								
Net dimension			mm 970×760×425 1050×760×425 1050×760×425 1190×760×425 1190×760×425 1380×760×425 1380×760×425 1640×760×425								
Net weight			kg 47 49 50 54 55 60 61 80								

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, 1 Ph								
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
			W	5350	6650	8000	9350	10650	12000	13350	16000
	SH	H	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	M	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	M	W	8200	10250	12300	14350	16400	18450	20500	24600	
		W	7000	8800	10550	12300	14050	15800	17550	21050	
		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	
		W	25	28	30	35	36	42	43	50	
Pressure dropping	High speed	Cooling tube	12	12	14	17	18	21	22	27	
		Heating tube	25	28	30	35	36	42	43	50	
		W	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 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								
Condensing water pipe			mm DN20(External thread)								
Net dimension			mm 970*760*425 1050*760*425 1050*760*425 1190*760*425 1190*760*425 1380*760*425 1380*760*425 1640*760*425								
Net weight			kg 49 51 52 56 57 63 64 84								

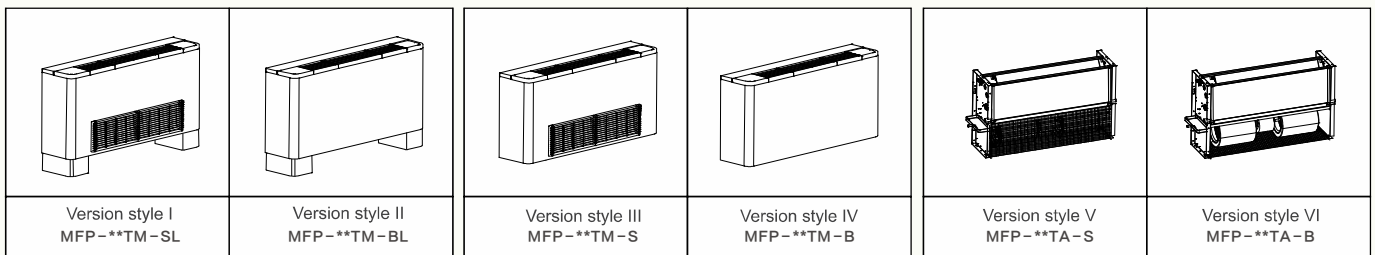
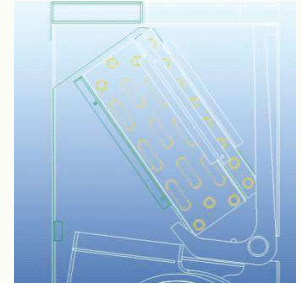
HAW series high static pressure ducted type fan coil unit (4-tube system)

Universal type fan coil unit

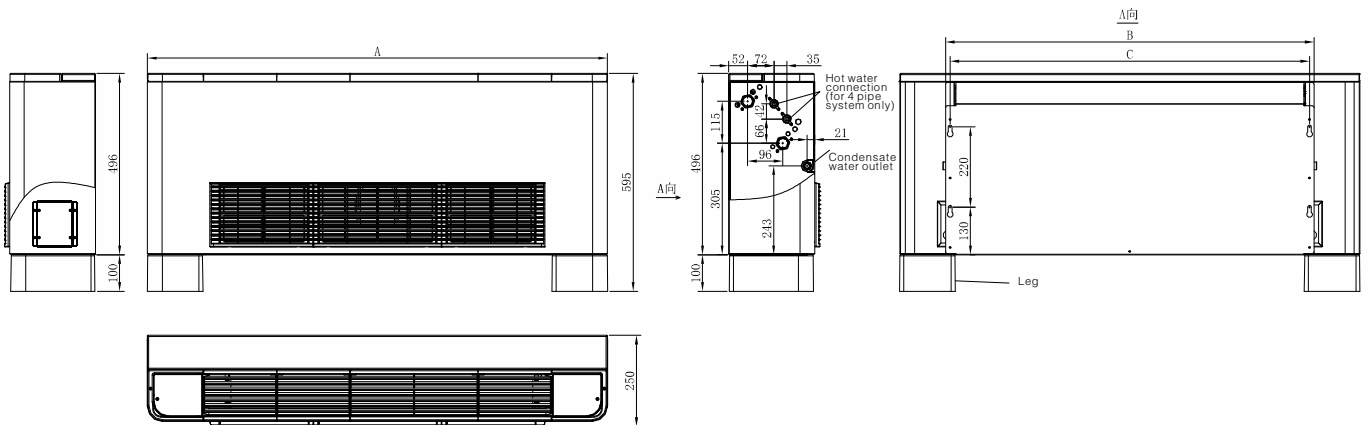


Characteristic

- 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	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	
			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	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	
			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	Cooling tube	m ³ /h	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	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"		
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"		
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										

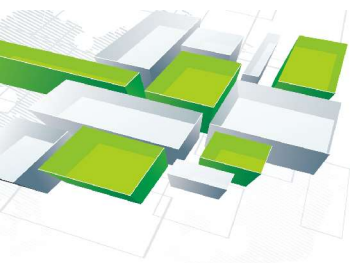
Ultra thin vertical type fan coil unit



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.

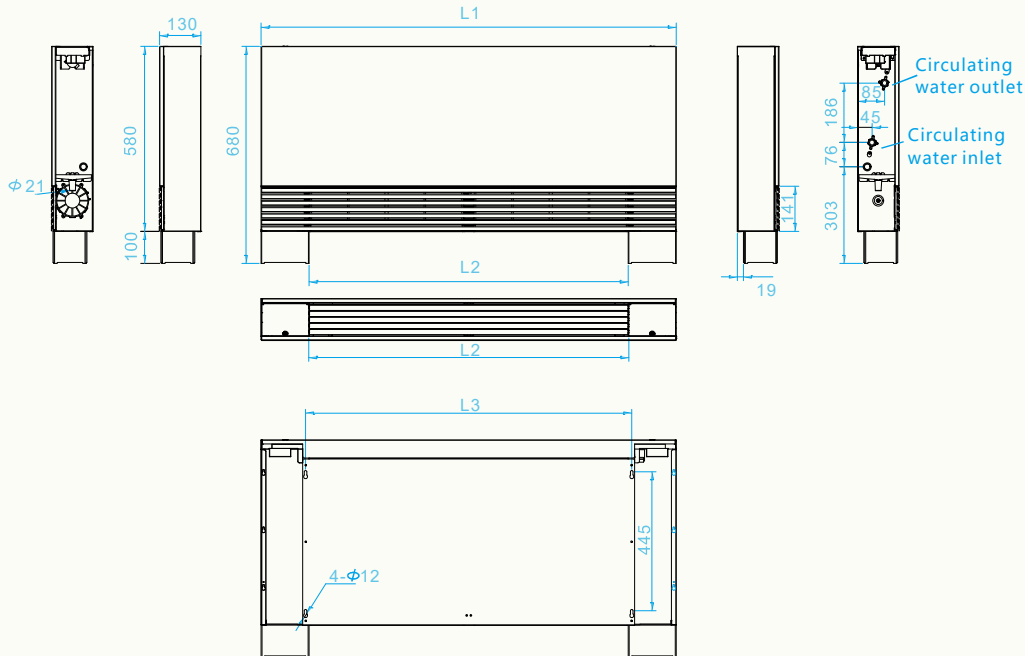




MECO

ULTRA THIN VERTICAL TYPE FAN COIL UNIT

Installing dimension



Item	Model	MFP-20CM	MFP-30CM	MFP-40CM	MFP-50CM	MFP-60CM
L1		700	900	1100	1300	1500
L2		400	600	800	1000	1200
L3		422	622	822	1022	1222

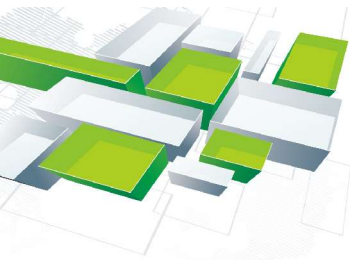
unit:(mm)

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

Model			MFP-20CM	MFP-30CM	MFP-40CM	MFP-50CM	MFP-60CM		
Power supply			220V,50Hz,1Ph						
Air volume	H	m ³ /h	200	300	400	500	600		
	M		150	220	300	380	450		
	L		110	160	230	290	340		
Static pressure			0	0	0	0	0		
Cooling capacity	TH	H	W	1000	1800	2400	3000	3600	
			BTU/h	3412	6142	8189	10236	12283	
			SH	W	713	1283	1711	2139	2567
	SH	M	BTU/h	2433	4379	5839	7298	8758	
			W	800	1440	1920	2400	2880	
			TH	W	555	999	1330	1660	1990
	SH	L	W	650	1170	1560	1950	2340	
			W	430	770	1025	1280	1535	
			W	1600	2900	3850	4800	5750	
Heating capacity	H	W	1280	2320	3080	3840	4600		
	M	W	830	1510	2000	2500	2990		
	L	W	830	1510	2000	2500	2990		
Noise	High speed	dB(A)	38	39	40	41	42		
Power input	High speed	W	15	18	20	26	32		
Waterflow volume	High speed	m ³ /h	0.17	0.26	0.34	0.43	0.51		
Pressure dropping			kPa	4	6	8	10	12	
Water tube connection(inlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"		
Water tube connection(outlet)			ZG1/2"	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	1.6	
Condensing water pipe			mm	φ 21					
Net dimension			L × W × H	mm	700 × 130 × 681	900 × 130 × 681	1100 × 130 × 681	1300 × 130 × 681	1500 × 130 × 681
Net weight			kg	14.5	18.5	21.5	24	27	

EC/DC brushless motor type fan coil unit





EC motor type fan coil unit



Characteristic

- 1、 Use the 3(5) speed EC motor, normal thermostat is fitable for controlling;
- 2、 Use EC 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.

EC fan coil product range

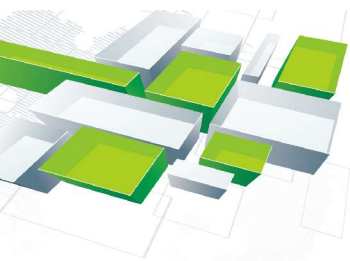


EC style ceiling conceal duct type (2-tube system)

Model		EC-MFP-34WA	EC-MFP-51WA	EC-MFP-68WA	EC-MFP-85WA	EC-MFP-102WA	EC-MFP-136WA	EC-MFP-170WA	EC-MFP-204WA	EC-MFP-238WA	
Power supply		220V, 50HZ, 1PH									
Air volume	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)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850
	SH	H	W	1341	2012	2682	3353	4023	5364	6705	8046
			BTU/h	4575	6865	9151	11440	13726	18302	22877	27453
	TH	M	W	1458	2187	2916	3645	4374	5832	7290	8748
			W	1152	1728	2304	2880	3455	4607	5759	6911
SH	L	W	1134	1701	2268	2835	3402	4536	5670	6804	
		W	930	1395	1860	2325	2790	3720	4649	5579	
Heating capacity	H	2700	4050	5400	6750	8100	10800	13500	16200	18900	
	M	2079	3119	4158	5198	6237	8316	10395	12474	14553	
	L	1634	2450	3267	4084	4901	6534	8168	9801	11435	
Noise	High speed	12Pa	34	35	36	38	41	42	43	44	
		30Pa	37	39	41	42	45	46	48	49	
Power input	High speed	12Pa	17	21	30	37	46	59	73	91	
		30Pa	20	26	31	39	47	63	80	98	
Waterflow volume	High speed	Cooling tube	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	
		Heating tube	0.12	0.18	0.25	0.31	0.37	0.49	0.62	0.74	
Pressure dropping		kPa	16	18	20	23	28	30	33	40	
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		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								
Net dimension		L×W×H	755×482×235	855×482×235	955×482×235	1080×482×235	1175×482×235	1460×482×235	1650×482×235	1915×482×235	2150×482×235
Net weight		kg	15.4	17.9	20	21.9	23.3	32.3	35.7	40	44.9

EC style ceiling conceal duct type (4-tube system)

Model		EC-MFP-34WA4	EC-MFP-51WA4	EC-MFP-68WA4	EC-MFP-85WA4	EC-MFP-102WA4	EC-MFP-136WA4	EC-MFP-170WA4	EC-MFP-204WA4	EC-MFP-238WA4	
Power supply		220V, 50HZ, 1PH									
Air volume	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)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850
	SH	H	W	1341	2012	2682	3353	4023	5364	6705	8046
			BTU/h	4575	6865	9151	11440	13726	18302	22877	27453
	TH	M	W	1458	2187	2916	3645	4374	5832	7290	8748
			W	1152	1728	2304	2880	3455	4607	5759	6911
SH	L	W	1134	1701	2268	2835	3402	4536	5670	6804	
		W	930	1395	1860	2325	2790	3720	4649	5579	
Heating capacity	H	1080	1620	2160	2700	3240	4320	5400	6480	7560	
	M	832	1248	1663	2079	2495	3326	4158	4990	5821	
	L	654	980	1307	1634	1960	2614	3267	3920	4574	
Noise	High speed	12Pa	34	35	36	38	41	42	43	44	
		30Pa	37	39	41	42	45	46	48	49	
Power input	High speed	12Pa	17	21	30	37	46	59	73	91	
		30Pa	20	26	31	39	47	63	80	98	
Waterflow volume	High speed	Cooling tube	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	
		Heating tube	0.12	0.18	0.25	0.31	0.37	0.49	0.62	0.74	
Pressure dropping		kPa	16	18	20	23	28	30	33	40	
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	Dn20								
Net dimension		L×W×H	755×482×235	855×482×235	955×482×235	1080×482×235	1175×482×235	1460×482×235	1650×482×235	1915×482×235	2150×482×235
Net weight		kg	17	19.4	21.5	23.7	25	34.5	38	43	48



EC style universal type fan coil unit (2-tube system)

Model		EC-MFP-34TM	EC-MFP-51TM	EC-MFP-68TM	EC-MFP-85TM	EC-MFP-102TM	EC-MFP-136TM	EC-MFP-170TM	EC-MFP-204TM	EC-MFP-238TM		
Model		EC-MFP-34TA	EC-MFP-51TA	EC-MFP-68TA	EC-MFP-85TA	EC-MFP-102TA	EC-MFP-136TA	EC-MFP-170TA	EC-MFP-204TA	EC-MFP-238TA		
Power supply		220V,50Hz,1Ph										
Air volume	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	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	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	W	1162	1744	2325	2906	3487	4649	5812	6974	8136		
	W	953	1430	1907	2383	2860	3813	4765	5718	6672		
	W	1675	2511	3349	4186	5024	6697	8372	10046	11721		
Heating capacity	H	2700	4050	5400	6750	8100	10800	13500	16200	18900		
	M	2131	3197	4262	5328	6393	8524	10655	12786	14917		
	L	1675	2511	3349	4186	5024	6697	8372	10046	11721		
Noise	High speed	dB(A)	36	37	39	41	43	44	46	48	49	
Power input	High speed	W	19	26	31	38	48	67	76	95	114	
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	16	18	20	23	28	30	33	37	40	
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		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 16									

EC style universal type fan coil unit (4-tube system)

Model		EC-MFP-34TM4	EC-MFP-51TM4	EC-MFP-68TM4	EC-MFP-85TM4	EC-MFP-102TM4	EC-MFP-136TM4	EC-MFP-170TM4	EC-MFP-204TM4	EC-MFP-238TM4		
Model		EC-MFP-34TA4	EC-MFP-51TA4	EC-MFP-68TA4	EC-MFP-85TA4	EC-MFP-102TA4	EC-MFP-136TA4	EC-MFP-170TA4	EC-MFP-204TA4	EC-MFP-238TA4		
Power supply		220V,50Hz,1Ph										
Air volume	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	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	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	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	1020	1530	2040	2550	3060	4070	5090	6110	7130		
	L	820	1230	1630	2040	2450	3270	4080	4900	5720		
	High speed	dB(A)	36	37	39	41	43	44	46	48	49	
Power input	High speed	W	19	26	31	38	48	67	76	95	114	
Waterflow volume	High speed	Cooling tube	m ³ /h	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16
		Heating tube	m ³ /h	0.11	0.17	0.22	0.28	0.34	0.45	0.56	0.67	0.78
Water Pressure dropping	High speed	Cooling tube	kPa	16	18	20	23	28	30	33	37	40
		Heating tube	kPa	8	10	12	14	16	20	22	25	28
Water tube connection(inlet)			ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"		
Water tube connection(outlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"		
Coil		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		
Condensation pipe size (diameter)		mm	ϕ 16									

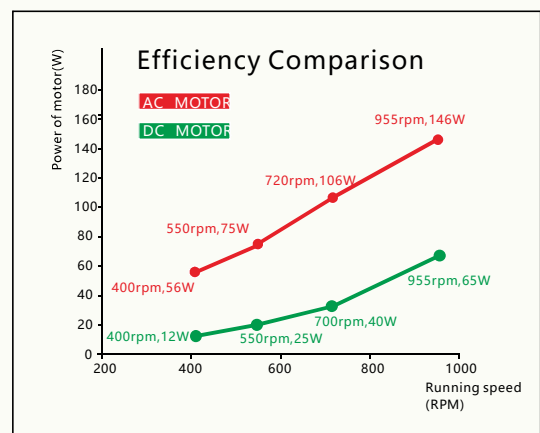
DC motor type fan coil unit (0~10V signal)



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%

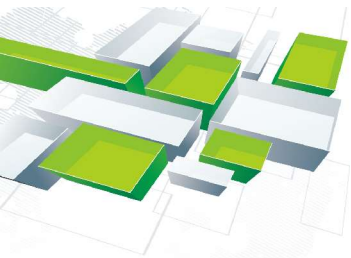


3、 Long running life

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 transfered 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.

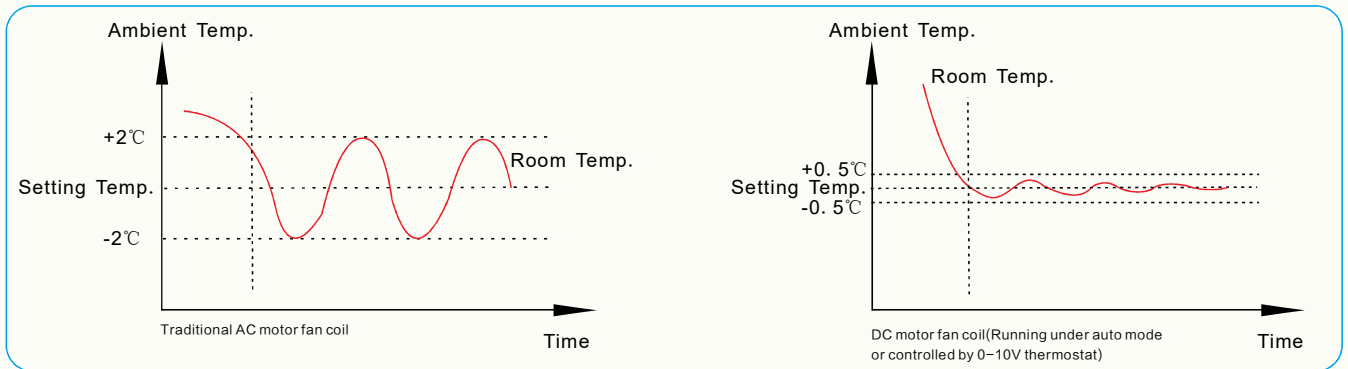


4、Fast cooling/heating & comfortable temperature controlling

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.

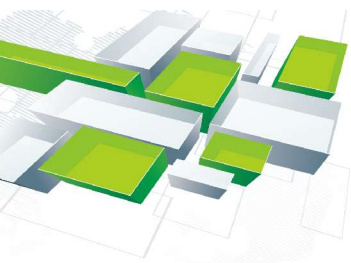


➤ DC fan coil product range



DC style 4-way cassette FCU performance (2 tube system)	Model (2-tube system)		DC-MFP-34KM-(Q)MK1	DC-MFP-51KM-(Q)MK1	DC-MFP-68KM-(Q)MK1	DC-MFP-80KM-(Q)MK1	DC-MFP-85KM-(Q)MK2	DC-MFP-102KM-(Q)MK2	DC-MFP-136KM-(Q)MK2	DC-MFP-153KM-(Q)MK3	DC-MFP-170KM-(Q)MK3	DC-MFP-204KM-(Q)MK3	DC-MFP-238KM-(Q)MK3		
	Model of unit		DC-FP-34KM-(Q)M1	DC-FP-51KM-(Q)M1	DC-FP-68KM-(Q)M1	DC-FP-80KM-(Q)M1	DC-FP-85KM-(Q)M2	DC-FP-102KM-(Q)M2	DC-FP-136KM-(Q)M2	DC-FP-153KM-(Q)M3	DC-FP-170KM-(Q)M3	DC-FP-204KM-(Q)M3	DC-FP-238KM-(Q)M3		
	Panel Type		DC-MB-SD11K1					DC-MB-SD11K2			DC-MB-SD11K3				
	Power supply		220V,50Hz,1Ph												
	Air volume	H	m ³ /h	380	550	680	780	880	1050	1300	1550	1750	2050	2200	
		M		300	440	540	620	700	840	1040	1240	1400	1640	1760	
		L		230	330	410	470	530	630	780	930	1050	1230	1320	
	Static pressure		Pa	0	0	0	0	0	0	0	0	0	0	0	
	Cooling capacity	TH	H	W	2000	3000	3800	4200	4900	5800	7000	8100	9800	11000	12000
				BTU/h	6824	10236	12966	14300	16719	19790	23884	27637	33438	37532	40944
W				1400	2200	2850	3300	3500	4250	5250	5880	7150	8250	9100	
SH		H	W	1700	2550	3250	3550	4150	4950	5950	6650	8350	9350	10200	
			BTU/h	4777	7506	9724	11260	11942	14501	17913	20060	24396	28149	31049	
			W	1150	1800	2350	2650	2850	3500	4350	4700	5950	6850	7650	
TH	M	W	1400	2050	2600	2900	3400	4000	4850	5420	6750	7600	8300		
		SH	W	950	1400	1850	2100	2300	2800	3450	3850	4700	5450	6000	
		SH	L	W	3100	4700	5900	6500	7600	9000	10900	12200	15200	17100	18600
Heating capacity	M	W	2650	4000	5000	5550	6450	7650	9250	10300	12900	14550	15800		
		L	W	2100	3150	3950	4350	5100	6050	7300	8140	10200	11450	12450	
		High speed	dB(A)	38	40	42	44	41	44	47	48	47	50	51	
Power input	W	20	25	28	30	35	43	60	70	75	90	105			
		Waterflow volume	m ³ /h	0.34	0.51	0.65	0.72	0.83	0.99	1.19	1.38	1.67	1.87	2.04	
Pressure dropping		kPa	11	13	22	25	18	25	30	23	28	33	42		
Water tube connection(inlet)		ZG3/4"	ZG3/4"	ZG3/4"	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"	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	1.6		
Condensing water pipe		mm	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26		
Net dimension	Drained by pump Panel	L×W×H mm	590×590×242				750×750×242			840×840×242		840×840×292			
			650×650×40				850×850×40			950×950×40					
Net weight	Drained by pump Panel	kg	17	18	18	18.5	22	23	23	25	26	27	27		
			2.2				4.2			5					

DC style 4-way cassette FCU performance (4 tube system)	Model (4-tube system)		DC-MFP-34KM-(Q)MK1	DC-MFP-51KM-(Q)MK1	DC-MFP-68KM-(Q)MK1	DC-MFP-80KM-(Q)MK1	DC-MFP-85KM-(Q)MK2	DC-MFP-102KM-(Q)MK2	DC-MFP-136KM-(Q)MK2	DC-MFP-153KM-(Q)MK3	DC-MFP-170KM-(Q)MK3	DC-MFP-204KM-(Q)MK3	DC-MFP-238KM-(Q)MK3		
	Model of unit		DC-FP-34KM-(Q)M1	DC-FP-51KM-(Q)M1	DC-FP-68KM-(Q)M1	DC-FP-80KM-(Q)M1	DC-FP-85KM-(Q)M2	DC-FP-102KM-(Q)M2	DC-FP-136KM-(Q)M2	DC-FP-153KM-(Q)M3	DC-FP-170KM-(Q)M3	DC-FP-204KM-(Q)M3	DC-FP-238KM-(Q)M3		
	Panel Type		DC-MB-SD11K1					DC-MB-SD11K2			DC-MB-SD11K3				
	Power supply		220V,50Hz,1Ph												
	Air volume	H	m ³ /h	360	520	650	740	840	1000	1240	1480	1660	1950	2090	
		M		290	420	510	590	670	800	990	1180	1330	1560	1670	
		L		220	310	390	450	500	600	740	885	1000	1170	1250	
	Static pressure		Pa	0	0	0	0	0	0	0	0	0	0	0	
	Cooling capacity	TH	H	W	1950	2950	3700	4100	4800	5700	6850	7940	9600	10800	11750
				BTU/h	6700	10050	12700	14050	16400	19400	23400	27100	32750	36800	40150
W				1350	2150	2800	3250	3450	4150	5150	5773	7000	8100	8900	
SH		H	W	1650	2500	3200	3500	4050	4850	5850	6490	8200	9150	10000	
			BTU/h	4700	7350	9550	11050	11700	14200	17550	19650	23900	27600	30450	
			W	1150	1750	2300	2600	2800	3450	4250	4600	5850	6700	7500	
TH	M	W	1350	2000	2550	2850	3350	3900	4750	5315	6600	7450	8150		
		SH	W	950	1350	1800	2050	2250	2750	3400	3800	4600	5350	5900	
		SH	L	W	1950	3000	3750	4150	4850	5750	6950	7780	9700	10900	11850
Heating capacity	M	W	2550	3200	3550	4100	4850	5900	6535	8200	9250	10050			
		L	W	1350	2000	2500	2750	3250	3850	4650	5200	6500	7300	7950	
		High speed	dB(A)	39	41	43	45	43	45	48	49	48	51	52	
Power input	W	20	25	28	30	35	43	60	70	75	90	105			
		Waterflow volume	Cool Heat	m ³ /h	0.33	0.5	0.64	0.71	0.81	0.97	1.17	1.4	1.64	1.83	2
Pressure dropping	Cool Heat				kPa	11	13	22	25	18	25	30	23	28	33
		7	8	13		14	11	15	21	15	19	23	26		
Water tube connection(inlet)		ZG3/4"	ZG3/4"	ZG3/4"	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"	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	1.6		
Condensing water pipe		mm	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26	φ26		
Net dimension	Drained by pump Panel	L×W×H mm	590×590×242				750×750×242			840×840×242		840×840×292			
			650×650×40				850×850×40			950×950×40					
Net weight	Drained by pump Panel	kg	19	20	20	20.5	24.5	25.5	25.5	27.5	29.5	29.5	30		
			2.2				4.2			5.9					



▶ DC style ceiling conceal duct type (2-tube system)

Model			DC-MFP-34WA	DC-MFP-51WA	DC-MFP-68WA	DC-MFP-85WA	DC-MFP-102WA	DC-MFP-136WA	DC-MFP-170WA	DC-MFP-204WA	DC-MFP-238WA	
Power supply			220V, 50HZ, 1PH									
Air volume	MAX	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	
	MIN		130	170	220	260	300	400	600	700	760	
Static pressure			Pa	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800	
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991
		W	1341	2012	2682	3353	4023	5364	6705	8046	9387	
	SH	H	BTU/h	4575	6865	9151	11440	13726	18302	22877	27453	32028
			W	895	1170	1514	1789	2065	2753	4129	4818	5231
		L	W	561	734	949	1122	1295	1726	2589	3021	3280
Heating capacity	MAX	W	2700	4050	5400	6750	8100	10800	13500	16200	18900	
	MIN		1342	1755	2271	2684	3097	4129	6194	7226	7846	
Noise	High speed	12Pa	34	35	36	38	41	42	43	44	46	
		30Pa	37	39	41	42	45	46	48	49	51	
Power input	High speed	12Pa	15	18	27	33	42	54	65	82	100	
		30Pa	17	22	29	35	45	68	70	88	108	
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	16	18	20	23	28	30	33	37	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			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								
Net dimension			L×W×H	755×482×235	855×482×235	955×482×235	1080×482×235	1175×482×235	1460×482×235	1650×482×235	1915×482×235	2150×482×235
Net weight			kg	15.4	17.9	20	21.9	23.3	32.3	35.7	40	44.9

▶ DC style ceiling conceal duct type (4-tube system)

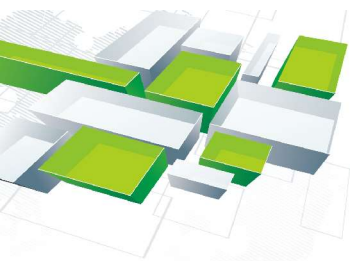
Model			DC-MFP-34WA4	DC-MFP-51WA4	DC-MFP-68WA4	DC-MFP-85WA4	DC-MFP-102WA4	DC-MFP-136WA4	DC-MFP-170WA4	DC-MFP-204WA4	DC-MFP-238WA4	
Power supply			220V, 50HZ, 1PH									
Air volume	MAX	m ³ /h	340	510	680	850	1020	1360	1700	2040	2380	
	MIN		130	170	220	260	300	400	600	700	760	
Static pressure			Pa	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	12(30)	
Cooling capacity	TH	H	W	1800	2700	3600	4500	5400	7200	9000	10800	
			BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991
		W	1341	2012	2682	3353	4023	5364	6705	8046	9387	
	SH	H	BTU/h	4575	6865	9151	11440	13726	18302	22877	27453	32028
			W	895	1170	1514	1789	2065	2753	4129	4818	5231
		L	W	561	734	949	1122	1295	1726	2589	3021	3280
Heating capacity	MAX	W	1300	1940	2590	3240	3890	5180	6480	7780	9070	
	MIN		646	841	1089	1288	1487	1981	2973	3470	3765	
Noise	High speed	12Pa	34	35	36	38	41	42	43	44	46	
		30Pa	37	39	41	42	45	46	48	49	51	
Power input	High speed	12Pa	15	18	27	33	42	54	65	82	100	
		30Pa	17	22	29	35	45	58	70	88	108	
Waterflow volume	High speed	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	
Pressure dropping		Cooling tube	16	18	20	23	28	30	33	37	40	
		Heating tube	8	10	12	14	16	20	22	25	28	
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									
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								
Net dimension			L×W×H	755×482×235	855×482×235	955×482×235	1080×482×235	1175×482×235	1460×482×235	1650×482×235	1915×482×235	2150×482×235
Net weight			kg	17	19.4	21.5	23.7	25	34.5	38	43	48

DC style High static pressure ducted type fan coil unit
2-tube system

Model			DC-MFP-170HA	DC-MFP-204HA	DC-MFP-238HA	
Power supply			220V,50Hz,1Ph			
Air volume	MAX	m ³ /h	1700	2040	2380	
	MIN		600	600	600	
Static pressure		Pa	120	100	80	
Cooling capacity	TH	H	W	9000	10800	12600
			BTU/h	30708	36850	42991
			W	6705	8046	9387
	SH	H	BTU/h	22877	27453	32028
			W	4129	4288	4447
			W	2556	2654	2753
Heating capacity	H	W	13500	16200	18900	
	L	W	6194	6432	6671	
Noise	High speed		dB(A)	49	51	53
Power input	High speed		W	280	300	320
Waterflow volume	High speed		m ³ /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			DN20(External thread)			
Net dimension	L×W×H		mm	1110×740×370	1110×740×370	1110×740×370
Net weight			kg	55	56	65

DC style High static pressure ducted type fan coil unit
4-tube system

Model				DC-MFP-170HA4	DC-MFP-204HA4	DC-MFP-238HA4
Power supply				220V,50Hz,1Ph		
Air volume	H	m ³ /h		1700	2040	2380
	L			600	600	600
Static pressure			Pa	120	100	80
Cooling capacity	TH	H	W	9000	10800	12600
			BTU/h	30708	36850	42991
			W	6705	8046	9387
	SH	H	BTU/h	22877	27453	32028
			W	4129	4288	4447
			W	2556	2654	2753
Heating capacity	H	W	6500	7800	9100	
	L	W	2982	3097	3212	
Noise	High speed		dB(A)	49	51	53
Power input	High speed		W	280	300	320
Waterflow volume	High speed	Cooling tube	m ³ /h	1.54	1.85	2.16
		Heating tube		0.56	0.68	0.79
Pressure dropping	High speed	Cooling tube	kPa	22	30	36
		Heating tube		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				DN20(External thread)		
Net dimension	L×W×H		mm	1110*740*370	1110*740*370	1110*740*370
Net weight			kg	57	58	68



DC style universal type fan coil unit (2-tube system)

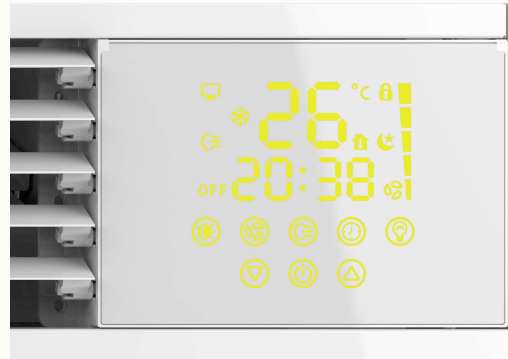
Model		DC-MFP-34TM	DC-MFP-51TM	DC-MFP-68TM	DC-MFP-85TM	DC-MFP-102TM	DC-MFP-136TM	DC-MFP-170TM	DC-MFP-204TM	DC-MFP-238TM		
Model		DC-MFP-34TA	DC-MFP-51TA	DC-MFP-68TA	DC-MFP-85TA	DC-MFP-102TA	DC-MFP-136TA	DC-MFP-170TA	DC-MFP-204TA	DC-MFP-238TA		
Power supply		220V,50Hz,1Ph										
Air volume	MAX	m ³ /h										
	MIN	340	510	680	850	1020	1360	1700	2040	2380		
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
	SH	H	W	1368	2052	2736	3420	4103	5471	6839	8207	9575
			BTU/h	4668	7001	9335	11669	13999	18667	23335	28002	32670
	TH	L	W	826	1101	1514	1858	2271	2891	3923	4611	5231
			SH	W	516	688	946	1161	1419	1807	2452	2882
Heating capacity	MAX	W										
	MIN	2700	4050	5400	6750	8100	10800	13500	16200	18900		
Noise	High speed	dB(A)	36	37	39	41	43	44	46	48	49	
			Power input	15	18	27	33	42	54	65	82	100
Water flow 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	16	18	20	23	28	30	33	37	40
Water tube connection(inlet)		ZG3/4"		ZG3/4"		ZG3/4"		ZG3/4"		ZG3/4"		
Water tube connection(outlet)		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		ø 16								

DC style universal type fan coil unit (4-tube system)

Model		DC-MFP-34TM4	DC-MFP-51TM4	DC-MFP-68TM4	DC-MFP-85TM4	DC-MFP-102TM4	DC-MFP-136TM4	DC-MFP-170TM4	DC-MFP-204TM4	DC-MFP-238TM4		
Model		DC-MFP-34TA4	DC-MFP-51TA4	DC-MFP-68TA4	DC-MFP-85TA4	DC-MFP-102TA4	DC-MFP-136TA4	DC-MFP-170TA4	DC-MFP-204TA4	DC-MFP-238TA4		
Power supply		220V,50Hz,1Ph										
Air volume	MAX	m ³ /h										
	MIN	340	510	680	850	1020	1360	1700	2040	2380		
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
	SH	H	W	1368	2052	2736	3420	4103	5471	6839	8207	9575
			BTU/h	4668	7001	9335	11669	13999	18667	23335	28002	32670
	TH	L	W	826	1101	1514	1858	2271	2891	3923	4611	5231
			SH	W	516	688	946	1161	1419	1807	2452	2882
Heating capacity	MAX	W										
	MIN	1300	1940	2590	3240	3890	5180	6480	7780	9070		
Noise	High speed	dB(A)	36	37	39	41	43	44	46	48	49	
			Power input	15	18	27	33	42	54	65	82	100
Water flow volume	High speed	m ³ /h	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	16	18	20	23	28	30	33	37	40	
			Heating tube	8	10	12	14	16	20	22	25	28
Water tube connection(inlet)		ZG3/4"		ZG3/4"		ZG3/4"		ZG3/4"		ZG3/4"		
Water tube connection(outlet)		ZG1/2"		ZG1/2"		ZG1/2"		ZG1/2"		ZG1/2"		
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	
Condensation pipe size (diameter)		mm		ø 16								

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;



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

Model			DC-MFP-20CM	DC-MFP-30CM	DC-MFP-40CM	DC-MFP-50CM	DC-MFP-60CM	
Power supply			220V,50Hz,1Ph					
Air volume	MAX	m ³ /h	200	300	400	500	600	
	MIN		80	120	160	200	240	
Static pressure			0	0	0	0	0	
Cooling capacity	TH	MAX	W	1000	1800	2400	3000	3600
			BTU/h	3412	6142	8189	10236	12283
	SH		W	713	1283	1711	2139	2567
			BTU/h	2433	4379	5839	7298	8758
	TH	MIN	W	550	1000	1300	1650	2000
			W	340	625	810	1030	1255
Heating capacity	MAX		W	1600	2900	3850	4800	5750
	MIN		W	830	1510	2000	2500	2990
Noise	High speed	dB(A)	37	38	39	40	41	
Power input	High speed	W	10	11	12	15	16	
Waterflow volume	High speed	m ³ /h	0.17	0.26	0.34	0.43	0.51	
Pressure dropping			kPa	4	6	8	10	12
Water tube connection(inlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	
Water tube connection(outlet)			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	
Condensing water pipe			Φ 21					
Net dimension	L×W×H		mm	700×130×681	900×130×681	1100×130×681	1300×130×681	1500×130×681
Net weight			kg	14.5	18.5	21.5	24	27



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