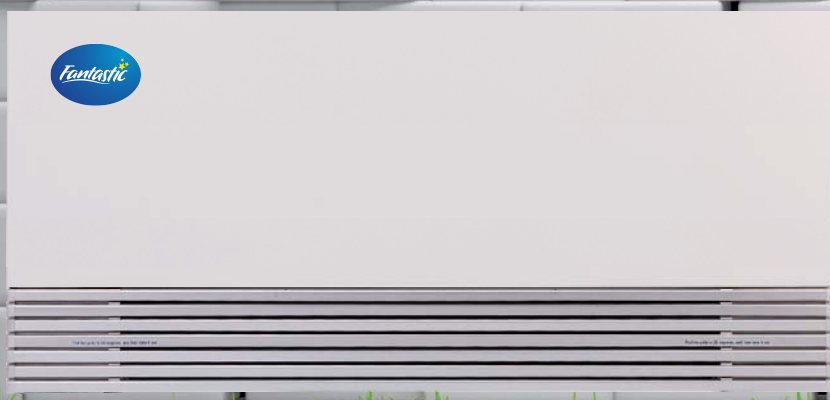


Ultra thin vertical type fan coil unit





Ultra-thin Water Fan Coils

FANTASTIC CO Ultra-thin Water Fan Coils are based on the forced-convection heat transfer technology which makes the heat dissipation more efficient. Compared with the traditional heating radiators, the units can save more than 30% energy consumption. The advanced control makes uniform temperature distribution and people feel more comfortable. When combined with heat pump units, the fan coil units can meet different heating or cooling requirements. With low noise only 25dB (A) and ultra-thin casing 130mm, the units stand out of the terminals markets.

Concentrate on Advanced Fan Coil Technology



01 ULTRA-THIN Casing

Due to the individual structure design inside, FANTASTIC CO Ultra-thin Fan Coils just with 130mm thickness casing comparing with that of the common fan coils, which are comparing with that of the common fan coils, which are 250mm, can save more space for your room.



02 HIGH Efficiency

Heat dissipation capacity of the fan coil units is twice higher than of the common radiators. As the heat is uniformly distributed by the units inside the rooms, they can save 30% energy consumption comparing with the common heating radiators. Radiators only offer heating, but our ultra-thin FCU can offer both heating and cooling.



The capacity of one FANTASTIC CO. Water Fan Coil is equal to that of three common radiators.

03 SUPER Quiet

The use of cross-flow fans combined with newly wind-guiding technology makes the units with lower noise, thus people can enjoy a healthier and more comfortable sleep. Using metal cross flow fan, not only decrease operating noise, but also increase air pressure.

04 EASY Installation

The units are flexible to be installed wherever you want because of their varied installation ways. Except for the ceiling installation, you can choose floor standing or wall mounted installation as well.



05 INTELLIGENT Control

With the application of intelligent controllers designed by FANTASTIC CO, the units can adjust the heat dissipation automatically according to the environment condition. Remote controllers are optional for more convenient control for users.

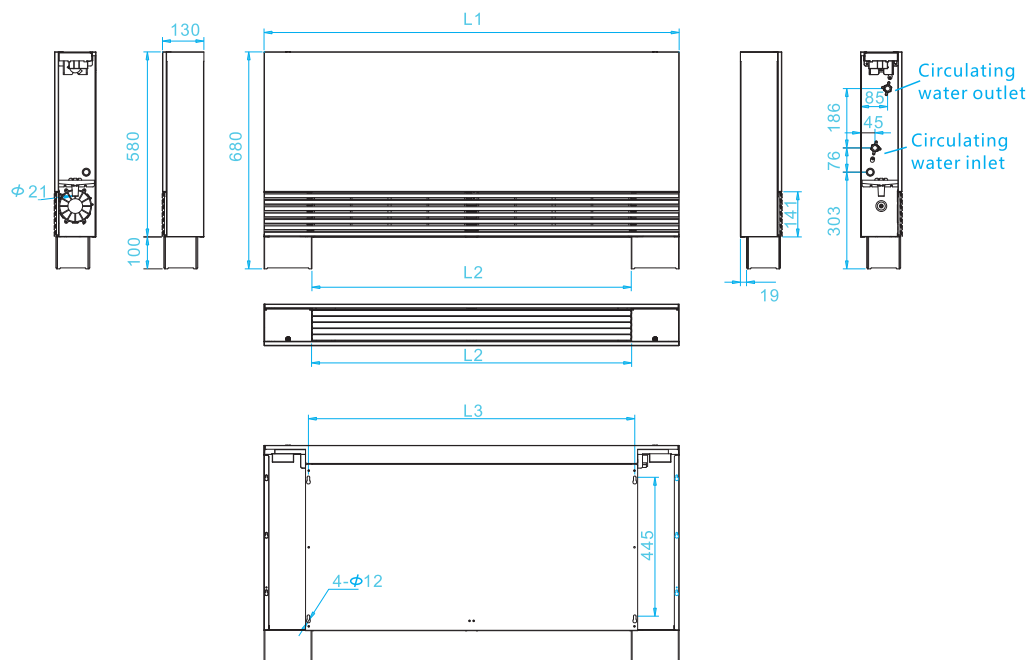


Characteristic

- 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.



Installing dimension



unit:(mm)

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

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

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

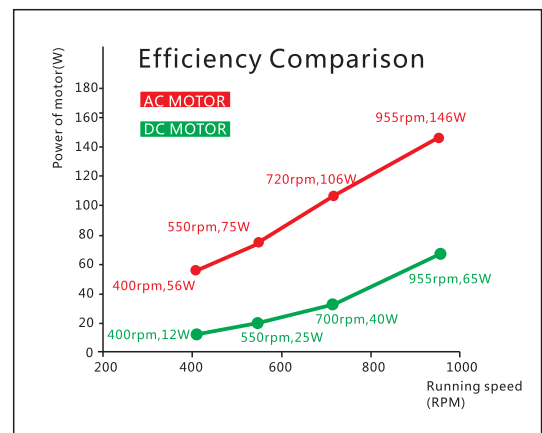
➤ DC ultra thin vertical fan coil unit (2-tube system)

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 tranfered to heat.

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

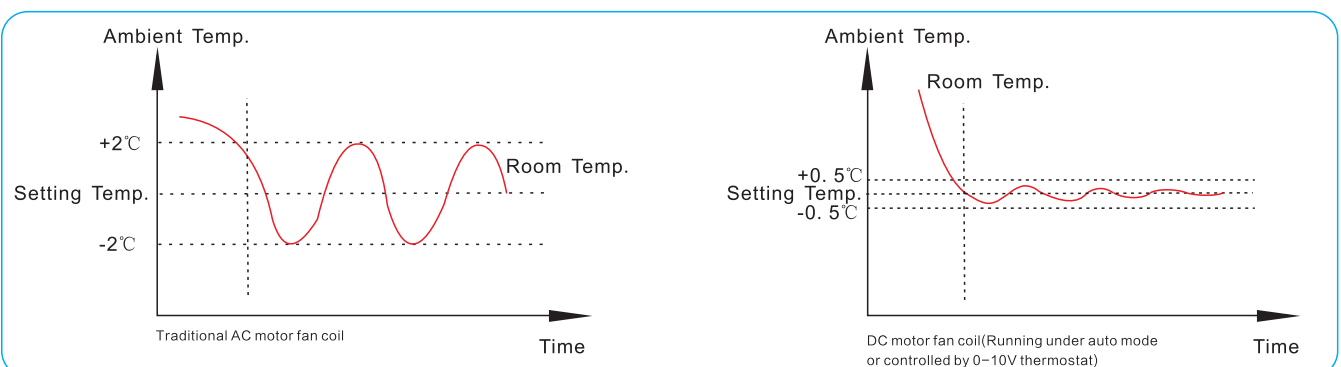
The efficiency of DC brushless motor is always more than 80%–95%, so only little energy change to heat.

4、 Fast cooling/heating & comfortable temperature controlling

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

When the room temperature arrived the setting temperature, the AC model style will stop the fan running or close the water valve, it will cause the cooling/heating can not continue and also the temperature shock in the room;

While the DC style will change the running speed according the temperature distance between the room temperature and the setting temperature, if the distance is big, the fan speed will be higher, and if the distance is smaller, the running speed will reduce too.



DC 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	
Power supply			220V,50Hz,1Ph				
Air volume	MAX	m ³ /h	200	300	400	500	
	MIN		80	120	160	200	
Static pressure		Pa	0	0	0	0	
Cooling capacity	TH	MAX	W	1000	1800	2400	3000
			BTU/h	3412	6142	8189	10236
	SH	MIN	W	713	1283	1711	2139
			BTU/h	2433	4379	5839	7298
	TH	MIN	W	550	1000	1300	1650
	SH		W	340	625	810	1030
Heating capacity	MAX		W	1600	2900	3850	4800
	MIN		W	830	1510	2000	2500
Noise	High speed		dB(A)	37	38	39	40
Power input	High speed		W	10	11	12	15
Waterflow volume	High speed		m ³ /h	0.17	0.26	0.34	0.43
Pressure dropping			kPa	4	6	8	10
Water tube connection(inlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	
Water tube connection(outlet)			ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	
Coil		Type	Hydrophilic aluminum fin to wear copper tube				
Maximum working pressure			MPa	1.6	1.6	1.6	1.6
Condensing water pipe			mm	Φ 21			
Net dimension	L×W×H		mm	700×130×681	900×130×681	1100×130×681	1300×130×681
Net weight			kg	14.5	18.5	21.5	24