宏明空调
HON MING

风机盘管系列产品
Fan Coil Unit Series Products

企业简介

ENTERPRISE INTRODUCTION

宏明空调
HON MING

源自香港 SINCE 1993

Founded in HONG KONG 1993, HON MING TECHNOLOGY GROUP is a professional comfortable & energy-saving air conditioner and cooling tower manufacturer which can provide full range of energy system solutions. Our cooling technology is widely used in many key projects in all over the world, such as Egypt, Philippines, Bangladesh, Vietnam, America, Singapore,UAE etc.

HON MING TECHNOLOGY GROUP' s production base is located in Salt Lake Industrial Zone, Yuncheng City, Shanxi Province. The group provide high energy efficiency, high quality, green and pro-environment cooling tower, air conditioner equipment and energy systems to market. HON MING is specialized in the design, production and sales of various air conditioner, air handling unit, SS304 cooling tower, closed/open, cross flow, counter flow square cooling tower, FRP industrial cooling tower etc. HON MING integrates the energy system design, equipment installation, maintenance, energy management service.

HON MING HVAC products: air cooled / water cooled chiller unit, air cooled heat pump unit, DX Modular Air Handling Unit,integrated double high-efficiency water cooled chiller(heat pump) unit, air-cooled screw chiller(heat pump) unit, Flooded Type screw chiller(heat pump) unit, high-efficiency centrifugal chiller unit and low-temperature chiller unit. Terminal products: combined type air handling unit, fan coil unit, cabinet type air handling unit,fresh air air handling unit. Industrial purifying field: air-cooled / water-cooled DX constant temperature and humidity air handling unit, medical purifying combined type air handling unit, heat recovery fresh air handling unit, etc. The products had passed ISO 9001 quality management system certification, ISO 14001 environmental management system certification, OHSAS18001 occupational health and safety system certification.HON MING faith is "Innovation based, quality orientation", development idea is "self-development, self-innovation".

HON MING cooperated with Tianjin University, Tianjin Chengjian university, etc. HON MING insist "Focus on quality,R&D as innovation and high-quality service to win the market".

HON MING always adhere to people-oriented, attract excellent talents, create high efficiency, energetic and responsible team. With high efficiency, energy-saving and pro-environment products bring better life for human! Welcome partners from all over the world join with HON MING to contributions the energy saving and emission reduction!

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Fan Coil Unit Series

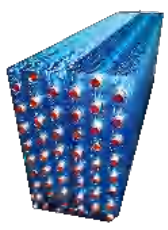
FCU Features

Ultra-silence

FCU adopts the latest designed air flow optimization channel, adding two kinds of noise reduction materials, carefully matching large diameter centrifugal fan and high efficiency & low noise & non-maintenance motor. Fan and motor have passed strict dynamic and static balance test. FCU runs smoothly and reliably.

High efficiency heat exchange

The heat exchanger is designed with large size and low flow rate, combined with the latest window-opening hydrophilic aluminum fins to reduce the stay time of condensate water on the fins, improve the heat exchange efficiency of FCU and reduce system operating cost.



Coil design

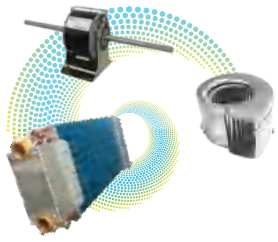
The unique heat exchanger design improves the uniformity of the air passing through the heat exchanger, makes the air flow smooth, improves the heat exchange effect, and effectively reduce the operation noise.

Flexible and convenient installation

FCU can change the left and right piping direction simply at the installation site.

Customization

According to customer's requirement, the fan and motor can be disassembled structure without changing the FCU dimension, which is easy maintenance and clean the heat exchanger.



Flexible choice

Customer can add return air box ,filter and choose the down or rear air return mode.

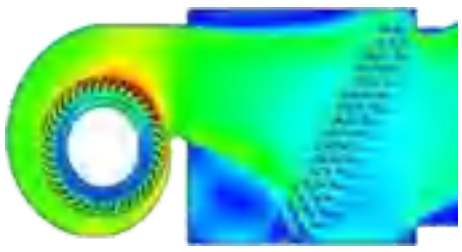
Intelligent

The FCU can realize auto control system and intelligent charging for building,remote monitoring and operation, energy management and control according to customer's requirement.

Structure Features

"Silence" Gold Angle design (optional)

HON MING combined aerodynamics and HVAC application technology, developed "Angle type natural diversion channel" to solve noise problem cause by short air passage and uneven air flow in vertical coil,can reduce noise >5%~10%.



Combined sound absorbing cotton can reduce noise

According to the noise formation difference, combined wave type with flat type sound absorbing cotton, inside is full of small gap and semi-open structure, which can absorb incoming sound wave energy and its combined sound absorption can reduce noise. B1 level anti-flame, high safety.

Less welding, high safety

Heat exchanger adopts copper tube automatic bending equipment with U-shaped tube bending process. It can reduce welding >50% and reduce the risk of welding leakage. Heat exchanger 100% adopts leakage inspection to ensure the product safety.

Integrated forming dry water tray

It is one-time press formed, no welding, with B1 level anti-flame thermal insulation cotton to prevent form condensation in outside the water tray. It adopts dry water tray, 5° inclined Angle and outlet pressure semicircular groove structure to improve the condensate water discharge efficiency.

Large impeller&low speed "silence" fan

Through professional model selection software, equip with low speed&large impeller double inlet centrifugal fan. The casing is Archimedes spiral shape, low friction resistance, 100% passed by static and dynamic balance testing, and effectively reduce the fan noise.

Flexible application

HON MING has many years product manufacturing experience, consider the possible piping problem, self innovation structure design, realize the left and right piping direction free switch, more flexible and convenient application.

Model Naming

FP — □ □ □ (□ □ □ □)

- Whether with filter (with filter marked as "W", no filter without mark)
- Return air box type (down air return box is X, rear air return box is H)
- Number of rows (2 rows, 3 rows, 4 rows)
- Piping direction (facing the air outlet direction) : (left is L, right is R)
- Outlet static pressure (High static pressure type is G30 or G50)
- According to single coil structure, the installation form code are (WA, WAB, WADZ, WAZ, WM, LA,LAX, LMX, KM)
- Rated air flow (CFM)
- Fan coil unit code

(1)Structure types: WA-Horizontal concealed type, WAB-Horizontal concealed ultra-thin type, WADZ-Horizontal concealed ultra-low noise type, WAZ-Horizontal concealed DC brushless type, WM-Horizontal exposed mounted type, LA-Vertical concealed top air outlet type, LAX-Vertical concealed inclined air outlet type, LM-Vertical exposed mounted top air outlet type, LMX- Vertical exposed mounted inclined air outlet type , KM-4-way Cassette type.

(2) FCU left and right type: WA, WM, LA, LM are FCU face the air outlet. If the water supply pipe is on the left side, FCU is left type, otherwise right type.

(3)Model example: FP-51WA-G30-L3XW means the fan coil unit rated air flow is 510m3 /h, horizontal concealed type, the air outlet static pressure is 30Pa, and left-type 3 rows pipe down return air box with filter.

Optional function(suit to horizontal concealed fan coil unit)

Electrostatic plasma purifying function

Fan coil unit return air pass the pre-filter, filter out larger particles:dust and hair, then sent into the plasma (density distribution is 1.05x1017-4.02x 1017 M-3). When passing the plasma ionization area, bacteria, mold, etc. will be killed by ionization. When passing the positive and negative parallel plate in the dust collection area, the fine dust and smoke in the air will be adsorbed on the dust collection plate under the action of coulomb force , then output fresh air.

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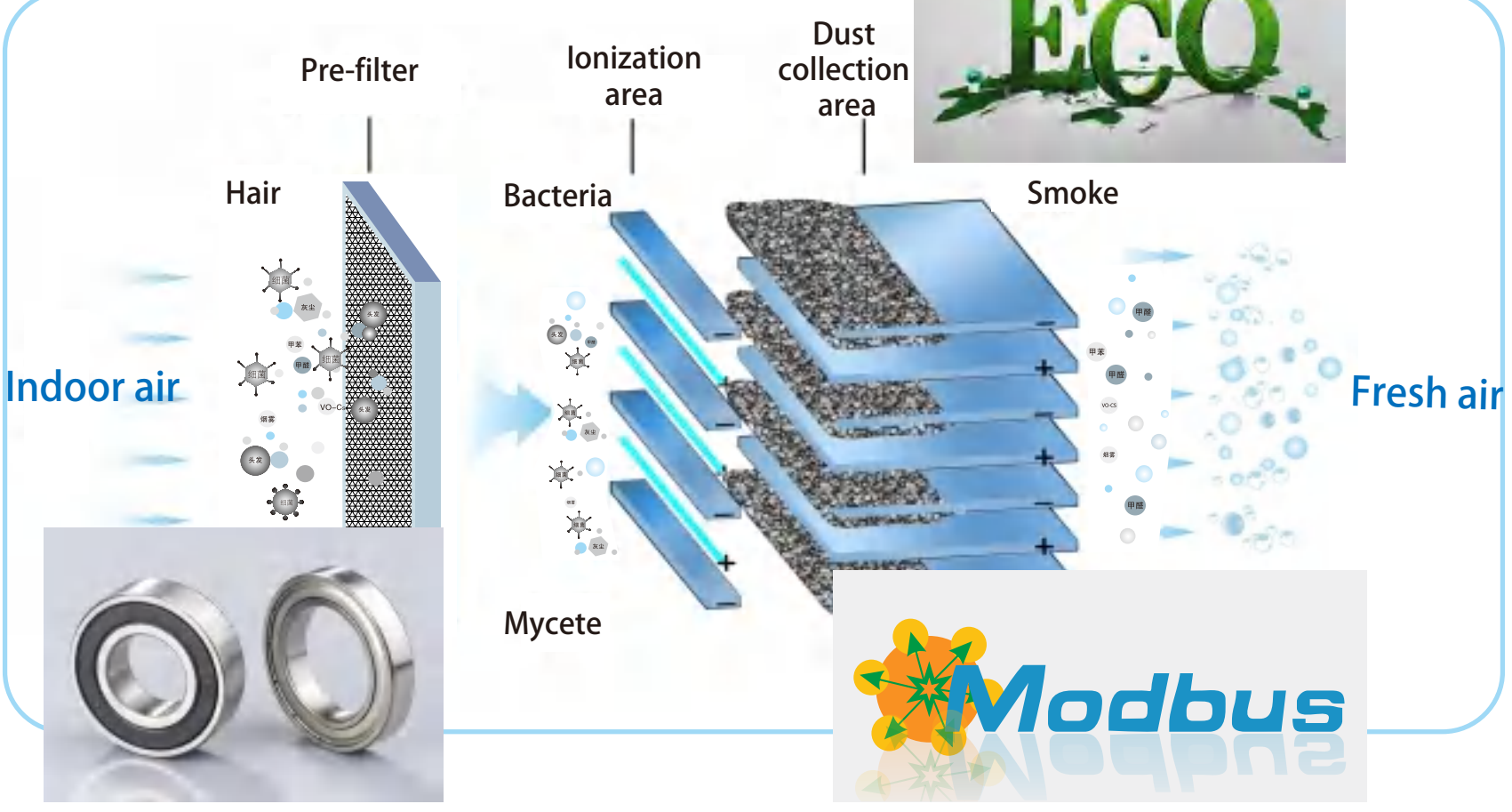
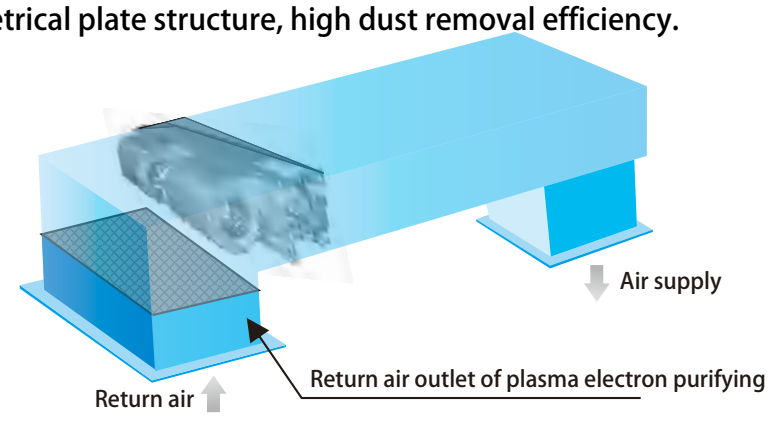


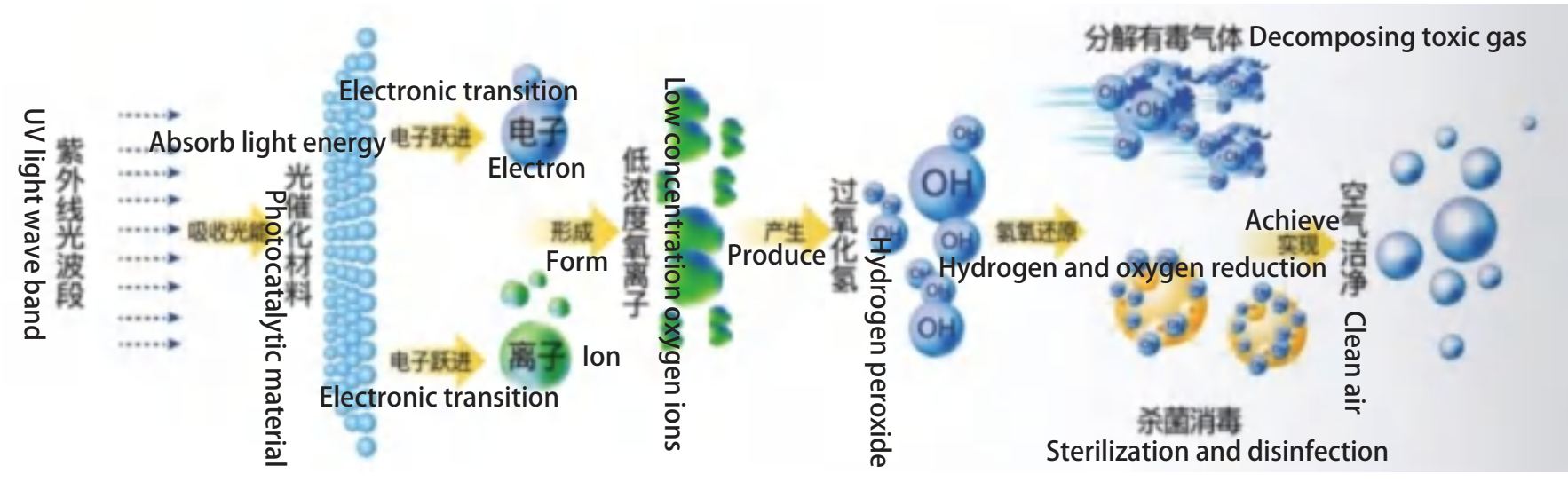
Functions and Features

- Greatly reduce the dust inside the building and income fresh air to ensure the purifying of the indoor environment.
- The dust collecting electrode can long time reuse after washed, low maintenance cost.
- The electronic dust removal device has low air resistance, adopts unique symmetrical plate structure, high dust removal efficiency.
- Adopt electronic high-voltage generator, stable operation.
- Adopts large dust holding design, long maintenance cycle.



PM2.5 Purifying Function

The high efficiency filter adopt non-toxic and harmless submicron materials, with good electric charge stability, enduring static electricity and filtration effect. The filter has excellent performance and unique design, high filtration efficiency and low pressure drop, high dust volume and unique technology, PM2.5 circulation filtration efficiency >99%, ensure the purifying effect and greatly reduce the energy consumption cost. It is suit to hotel, hospital, school and other public building where have standard requirements for purification.



- The high efficiency purifying unit adopt synthetic fibers and resistant to moisture and common chemicals. Unique electrostatic technology, no need electricity, keep the static electricity long time on the filter material, and high electric charge density, can effectively use electrostatic to catch particles, to achieve high efficiency purifying level.

Functions and Features

- Killing rate of Staphylococcus albus and Escherichia coli in the air is ⩾99.9%.
- Decompose harmful gases in the air, eliminate odor.
- Can connect with the central air conditioning, without separate control.
- Settling suspended particulate in the air.
- With height adjustment function, adjust brightness according to actual use.
- No moving parts, safe and silence, low power consumption, energy saving.

FCU Pictures

WA horizontal concealed unit, optional return air box

WAB ultra-thin horizontal concealed unit, thickness is 180mm, the industry's thinnest unit and no floor space,is ideal hidden in the decorative board, with good decoration. Optional concealed remote control temperature controller.

LA vertical concealed fan coil unit

LAX vertical concealed inclined air outlet fan coil unit

FCU depth is 220mm, compact design, easy installed in the wall decoration board.

LM vertical exposed mounted top air outlet unit

Casing plate can be flexibly disassembled, easy installation and maintenance, beautiful appearance. Optional LCD temperature controller.

LMX vertical exposed mounted inclined air outlet unit

Casing plate can be flexibly disassembled, easy to install and maintain, beautiful appearance. Optional LCD temperature controller.

WM horizontal exposed mounted unit

Simple and beautiful, the color can match any indoor decoration, suit to old buildings renovation. Optional concealed remote control temperature controller.

KM 4-way cassette exposed mounted unit

FCU has uniform size design, convenient and flexible installation layout, wide air flow and strong air, super high blow to every corner, and pump type is optional.

Technical parameters: horizontal concealed fan coil unit performance parameter(3 rows)

Model			FP-	200	300	400	500	600	800	1000	1200	1400
Air flow	H		m^3/h	340	510	680	850	1020	1360	1700	2040	2380
	M		m^3/h	270	410	540	660	790	1030	1310	1560	1830
	L		m^3/h	170	255	340	430	510	680	850	1020	1190
Cooling capacity	H	Total	W	2150	3150	3950	4690	5820	7950	9250	11250	12950
		Sensible	W	1510	2230	2960	3300	4250	5880	6850	8320	9530
	M	Total	W	1720	2770	3240	3790	4770	6520	7580	9300	10840
		Sensible	W	1260	1800	2530	3100	3670	4820	5450	6700	8300
	L	Total	W	1400	2300	2680	3140	3960	5540	6400	8000	9200
		Sensible	W	980	1500	1870	2260	2850	3700	4700	5680	6620
Heating capacity	H		W	3610	5330	6690	7850	9750	12810	15930	18920	21900
Motor	Voltage		V/PH/Hz	220V/1PH/50Hz or customized								
	Quantity		Set	1	1	1	1	1	2	2	2	2
	Input power	12Pa	W	37	52	62	76	96	134	152	189	228
		30Pa	W	44	59	72	87	108	156	174	212	253
		50Pa	W	49	66	84	100	118	174	210	250	300
Heat exchanger	Structure type		-	High quality copper tube with hydrophilic aluminum fin automatically expansion tube								
	Pipe dia.		in	Rc3/4 (Taper pipe internal thread) DN20								
	Cooling/ heating	Water flow	m^3/h	0.42	0.58	0.72	0.85	1.10	1.48	1.74	2.13	2.47
		Pressure drop	kPa	20	20	20	20	30	40	35	40	45
Noise	H	12Pa	dB (A)	33.5	35.5	38	40	44	44	46.5	47	50
		30Pa	dB (A)	36.5	39	40.5	43	46	45.5	49	49	50.5
		50Pa	dB (A)	40.5	42.5	44.5	45	47.5	48.5	51	51	52.5
Net weight (kg)	WA			12	15	16	18	19	25	29	33	36
	With return air box			14	17	19	21	23	30	34	38	42
	WM			24	28	30	33	36	47	58	61	64
	LM			27	32	33.5	36.5	39.5	50.5	62	65	68
	KM				22		31		35			37.5
Condensate pipe (except KM)				Rc3/4 (Taper pipe external thread)								
KM condensate pipe				φ>25mm			φ>32mm					
Max working pressure				1.2Mpa								

Note:

1. The above performance parameters are measured according without return air box. KM unit air outlet static pressure is 0Pa.
2. Cooling: air inlet dry bulb temperature 27℃, wet bulb temperature 19.5℃, water inlet temperature 7℃, water temperature range Δ 5℃.
3. Heating: air inlet dry bulb temperature 21℃, water inlet temperature 60℃.
4. The above parameters accord with GB-T19232- -2003. If users have special requirements, please notify.

Technical parameters: horizontal concealed fan coil unit performance parameter(3+1rows)

Model			FP-	200	300	400	500	600	800	1000	1200	1400
Air flow	H		m^3/h	340	510	680	850	1020	1360	1700	2040	2380
	M		m^3/h	270	410	540	660	790	1030	1310	1560	1830
	L		m^3/h	170	255	340	430	510	680	850	1020	1190
Cooling capacity	H	Total	W	2150	3150	3950	4690	5820	7950	9250	11250	12950
		Sensible	W	1510	2230	2960	3300	4250	5880	6850	8320	9530
	M	Total	W	1720	2770	3240	3790	4770	6520	7580	9300	10840
		Sensible	W	1260	1800	2530	3100	3670	4820	5450	6700	8300
	L	Total	W	1400	2300	2680	3140	3960	5540	6400	8000	9200
		Sensible	W	980	1500	1870	2260	2850	3700	4700	5680	6620
Heating capacity (1 row)	H		W	1500	2100	2700	3150	3800	5150	5850	7050	7800
	M		W	1080	1530	1970	2260	2770	3710	4270	5150	5620
	L		W	756	1070	1370	1580	1940	2630	2990	3600	3930
Motor	Voltage		V/PH/Hz	220V/1PH/50Hz or customized								
	Quantity		Set	1	1	1	1	1	2	2	2	2
	Input power H	12Pa	W	28	40	56	70	93	130	147	183	221
		30Pa	W	42	52	66	81	100	151	169	206	241
		50Pa	W	44	62	76	93	114	158	171	216	268
Fan	Type		-	Forward multi-blade centrifugal double suction fan								
	Quantity		Set	1	2	2	2	2	3	4	4	4
Heat exchanger	Structure type		-	High quality copper tube with hydrophilic aluminum fin automatically expansion tube								
	Cooling	Water flow	m^3/h	0.42	0.58	0.72	0.85	1.10	1.48	1.74	2.13	2.47
		Pressure drop	kPa	20	20	20	20	30	40	35	40	45
		Pipe dia.	in	Rc3/4 (Taper pipe internal thread) DN20								
	Heating	Water flow	m^3/h	0.13	0.18	0.23	0.27	0.33	0.44	0.50	0.61	0.67
		Pressure drop	kPa	11	11	16	16	15	18	27	20	36
		Pipe dia.	in	Rc3/4 ((Taper pipe internal thread) DN20								
	Max working pressure		Mpa	1.2								
Water tray	Condensate pipe dia.		in	R3/4 ((Taper pipe external thread)								
Noise	H	12Pa	dB (A)	34	37	39	42	44	45	47	49	51
		30Pa	dB (A)	37	40	43	44	46	47	49	50	53
		50Pa	dB (A)	40	42	45	46	48	49	51	53	55
Net weight	Without return air box		kg	14	16	18.2	20	22.8	28	33.8	36	39.6
	With return air box		kg	18	20	22.2	24	26.8	32	37.8	40	45.6

Note:

1.Cooling: water inlet temperature 7℃/12℃, air inlet dry bulb temperature DB27.0℃, wet bulb temperature WB19.5℃.

2. Heating: water inlet temperature 60℃/50℃, air inlet dry bulb temperature DB21.0℃.

3. The above noise is measured in the room with a background noise of 16.5db (A) [according to GB/T19232-2003].

4. The outlet static pressure is 0Pa when with outlet and filter; the outlet static pressure is 12Pa when without outlet and filter.

5. The power consumed by the motor load is the input power (also can refer working condition consumption), and the motor nameplate indicate the power as the nominal power, the output power of the motor running in the rated operating condition.

6. If the actual working condition is different with standard working conditions, please refer to the correction factor of the sample for correction. Correction method: actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

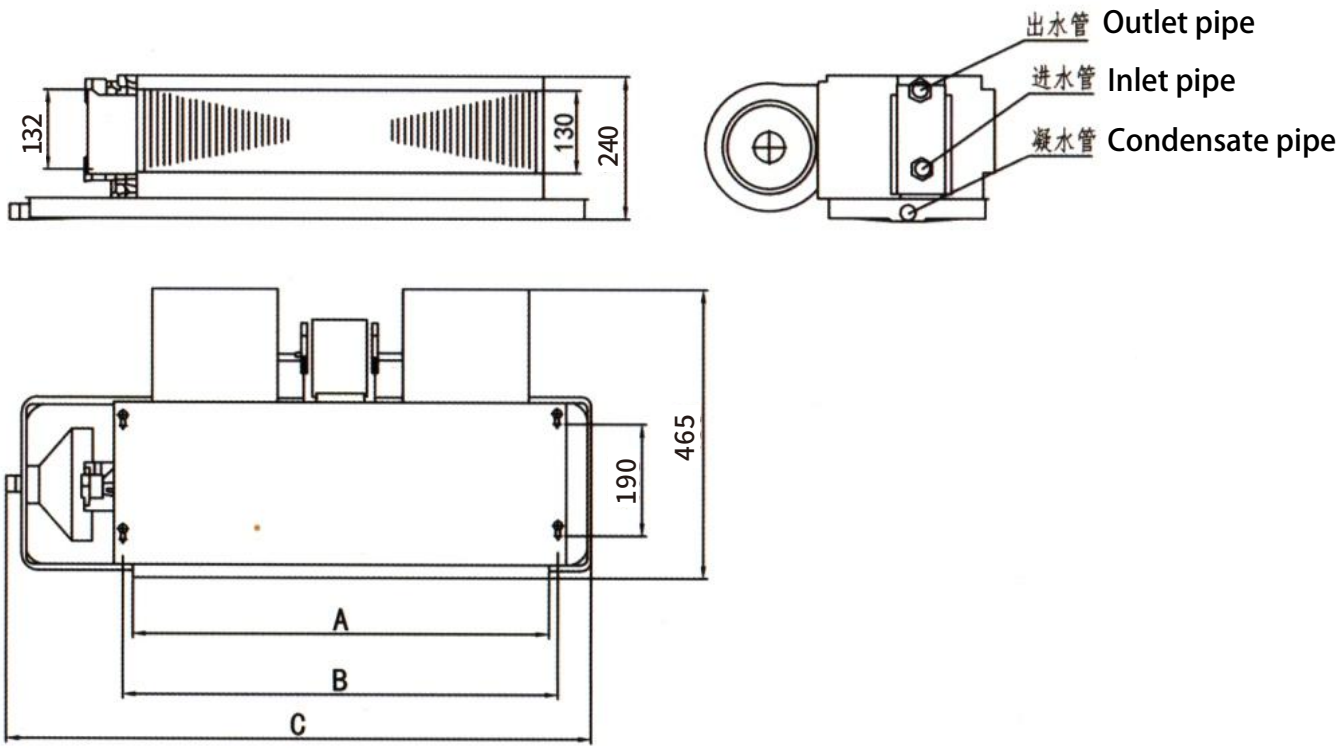
Technical parameters: horizontal surface mounted fan coil unit performance parameter(3 rows)

Model			FP-	200	300	400	500	600	800	1000	1200	1400
Air flow	H		m^3/h	340	510	680	850	1020	1360	1700	2040	2380
	M		m^3/h	270	410	540	660	790	1030	1310	1560	1830
	L		m^3/h	170	255	340	430	510	680	850	1020	1190
Cooling capacity	H	Total	W	2150	3150	3950	4690	5820	7950	9250	11250	12950
		Sensible	W	1510	2230	2960	3300	4250	5880	6850	8320	9530
	M	Total	W	1720	2770	3240	3790	4770	6520	7580	9300	10840
		Sensible	W	1260	1800	2530	3100	3670	4820	5450	6700	8300
	L	Total	W	1400	2300	2680	3140	3960	5540	6400	8000	9200
		Sensible	W	980	1500	1870	2260	2850	3700	4700	5680	6620
Heating capacity	H		W	3610	5330	6690	7850	9750	12810	15930	18920	21900
	M		W	2450	3690	4600	6200	7050	9800	11500	13800	15800
	L		W	1640	2580	3200	4280	5000	6800	8100	9700	11000
Motor	Voltage		V/PH/Hz	220V/1PH/50Hz or customized								
	Quantity		Set	1	1	1	1	1	2	2	2	2
	Input power(H)		W	20	37	59	75	96	134	145	189	248
Fan	Quantity		Set	1	2	2	2	2	3	4	4	4
Heat exchanger (3 rows)	Cooling/ heating	Water flow	m^3/h	0.37	0.54	0.70	0.81	1.00	1.37	1.59	1.94	2.25
		Pressure drop	kPa	17	19	18	20	26	28	40	30	40
	Max working pressure		Mpa	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Noise	H		dB (A)	⩽30	⩽35	⩽39	⩽43	⩽45	⩽46	⩽48	⩽50	⩽52
Net weight			kg	20.5	23.5	25.5	26.0	28.5	39.5	42.5	45.5	48.0

Note:

1.Cooling: water inlet temperature 7℃/12℃, air inlet dry bulb temperature DB27.0℃, wet bulb temperature WB19.5℃
2. Heating:water inlet temperature 60℃/50℃,air inlet dry bulb temperature DB21.0℃.
3. The above noise is measured in the room with a background noise of 16.5db (A) [according to GB/T19232-2003].
4. The outlet static pressure is 0Pa when with outlet and filter; the outlet static pressure is 12Pa when without outlet and filter.
5.The power consumed by the motor load is the input power (also can refer working condition consumption), and the motor nameplate indicate the power as the nominal power, the output power of the motor running in the rated operating condition.
6.If the actual working condition is different with standard working conditions, please refer to the correction factor of the sample for correction. Correction method: actual cooling (heating) capacity = rated cooling (heating) capacity x working condition correction factor.

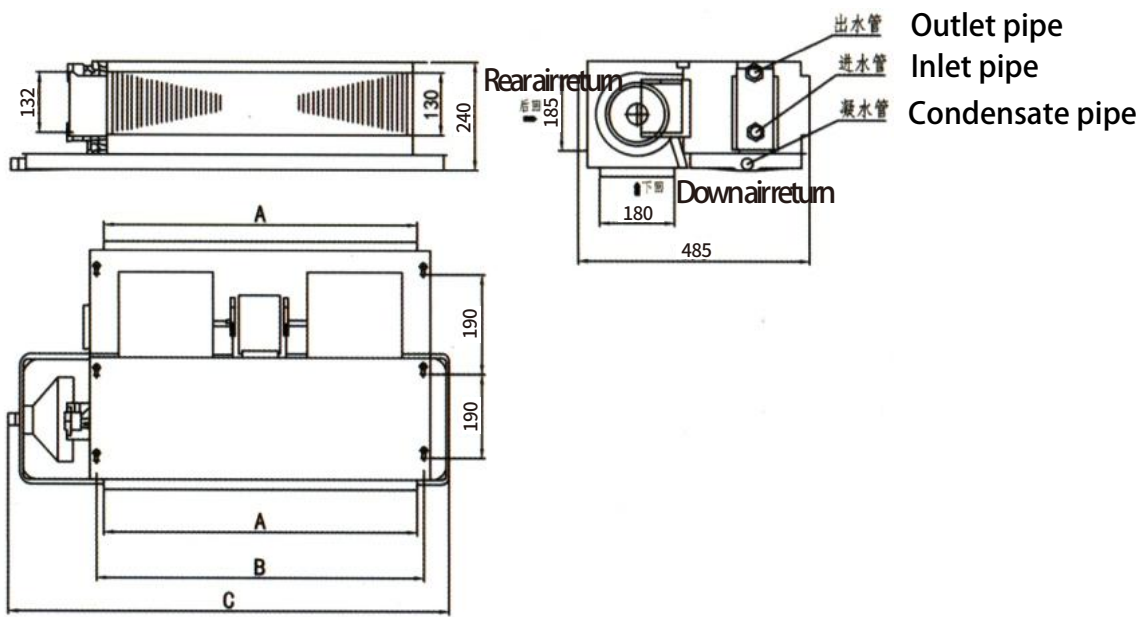
Horizontal concealed standard fan coil unit-dimension drawing



Model \ Size	A	B	C
FP-200WA	460	440	720
FP-300WA	630	610	810
FP-400WA	650	630	910
FP-500WA	780	760	1010
FP-600WA	900	880	1110

Model \ Size	A	B	C
FP-800WA	1100	1080	1310
FP-1000WA	1360	1340	1610
FP-1200WA	1500	1480	1760
FP-1400WA	1700	1680	1960

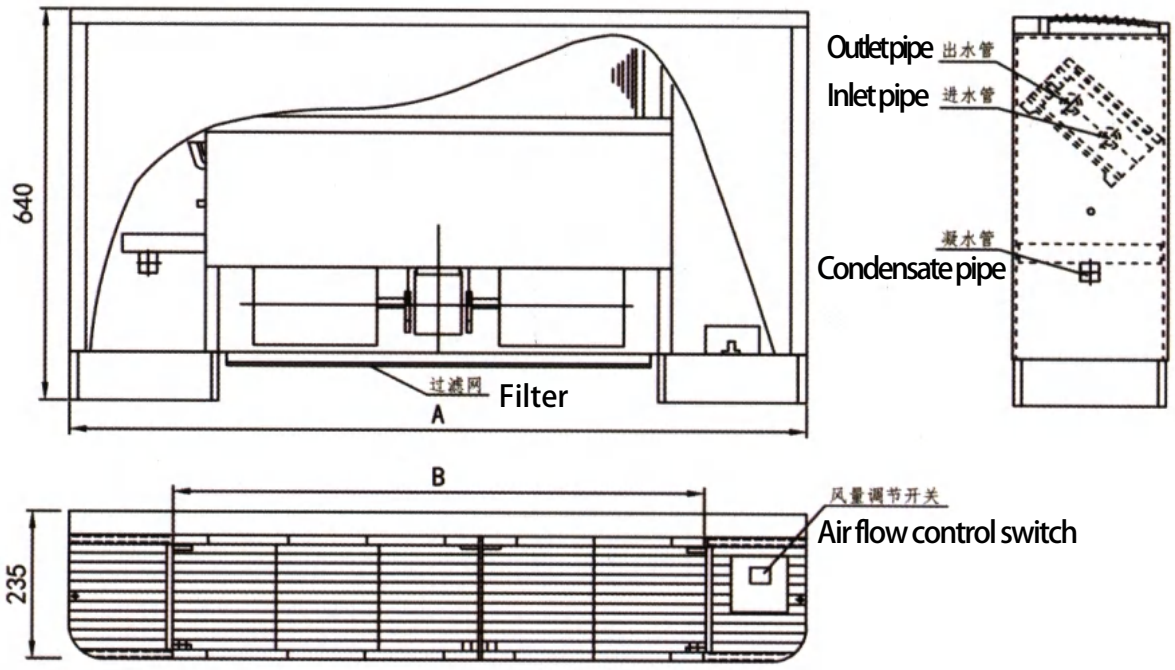
Horizontal concealed fan coil unit with return air box-dimension drawing



Model \ Size	A	B	C
FP-200WA	460	440	760
FP-300WA	630	610	860
FP-400WA	650	630	960
FP-500WA	780	760	1060
FP-600WA	900	880	1160

Model \ Size	A	B	C
FP-800WA	1100	1080	1310
FP-1000WA	1360	1340	1610
FP-1200WA	1500	1480	1760
FP-1400WA	1700	1680	1960

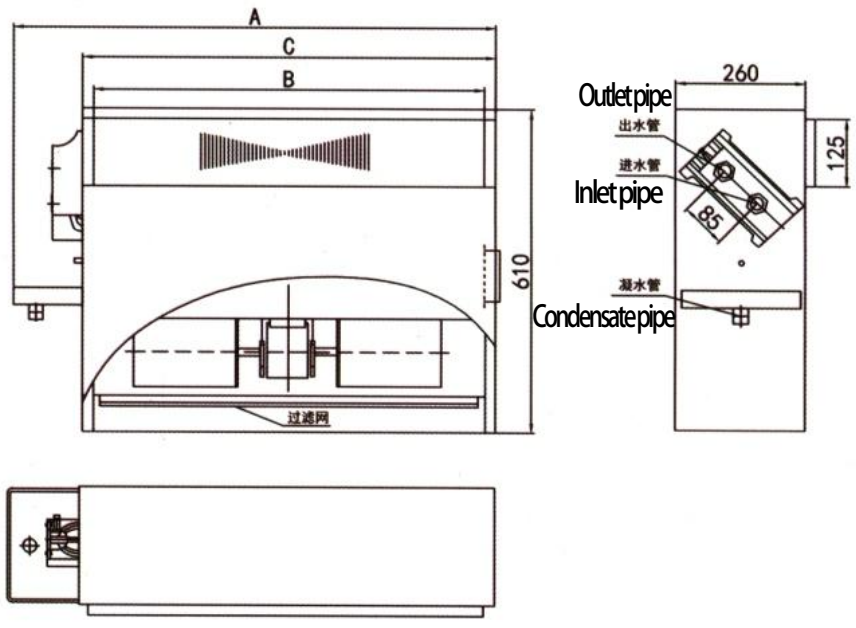
Vertical exposed mounted fan coil unit-dimension drawing



Model \ Size	A	B
FP-200LM	790	460
FP-300LM	940	580
FP-400LM	980	650
FP-500LM	1100	780
FP-600LM	1260	900

Model \ Size	A	B
FP-800LM	1410	1100
FP-1000LM	1680	1360
FP-1200LM	1880	1560
FP-1400LM	2080	1760

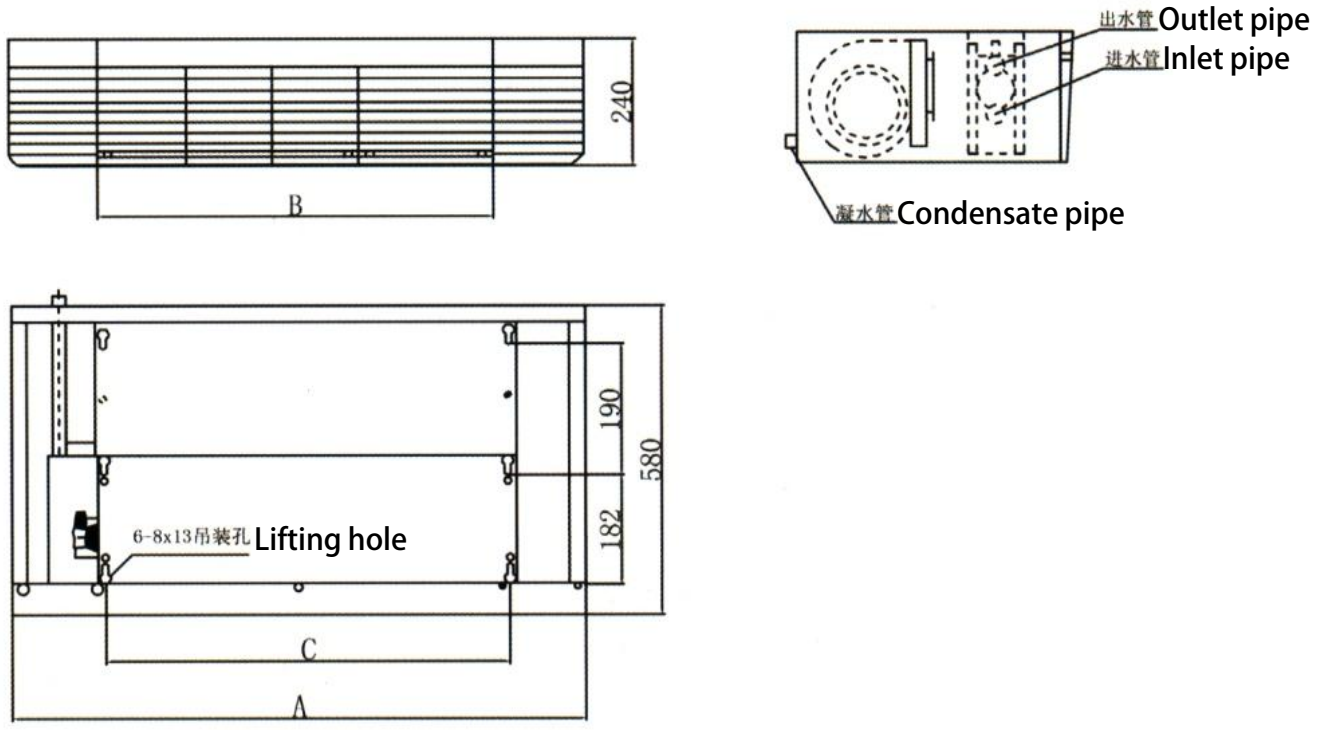
Vertical concealed fan coil unit-dimension drawing



Model \ Size	A	B	C
FP-200LA	620	460	500
FP-300LA	760	580	620
FP-400LA	830	650	690
FP-500LA	960	780	820
FP-600LA	1080	900	940

Model \ Size	A	B	C
FP-800LA	1280	1100	1140
FP-1000LA	1520	1360	1400
FP-1200LA	1740	1560	1600
FP-1400LA	1880	1760	1800

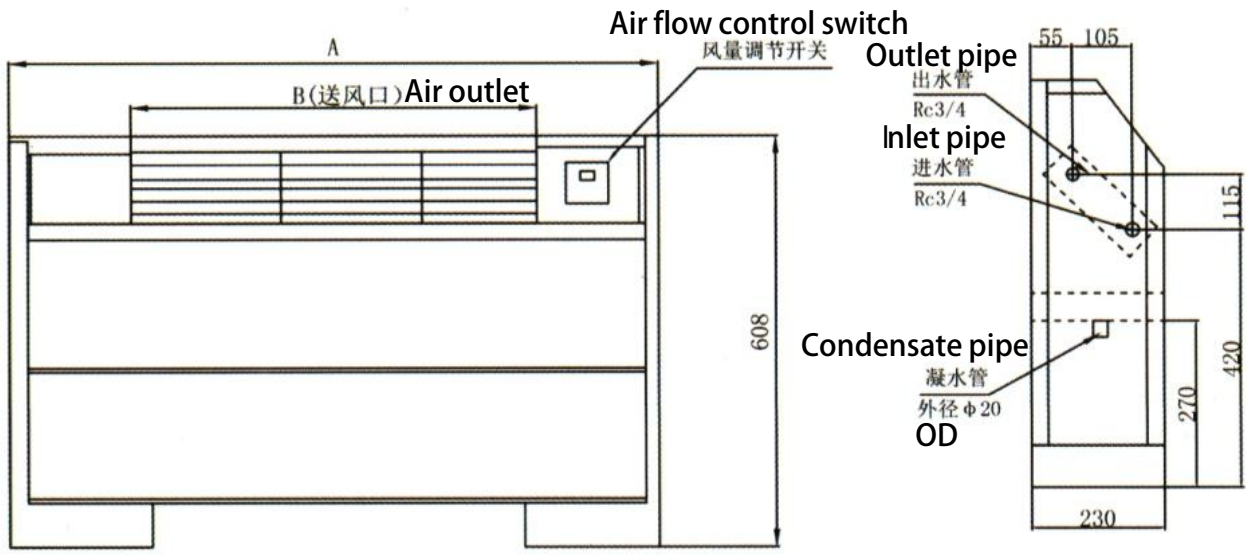
Horizontal exposed mounted fan coil unit-dimension drawing



Model \ Size	A	B	C
FP-200WM	790	460	440
FP-300WM	940	580	590
FP-400WM	980	650	660
FP-500WM	1100	780	810
FP-600WM	1260	900	890

Model \ Size	A	B	C
FP-800WM	1410	1100	1100
FP-1000WM	1680	1360	1320
FP-1200WM	1880	1560	1540
FP-1400WM	2080	1760	1690

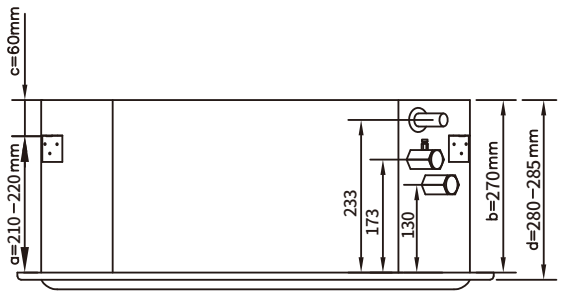
Vertical exposed mounted oblique outlet fan coil unit-dimension drawing

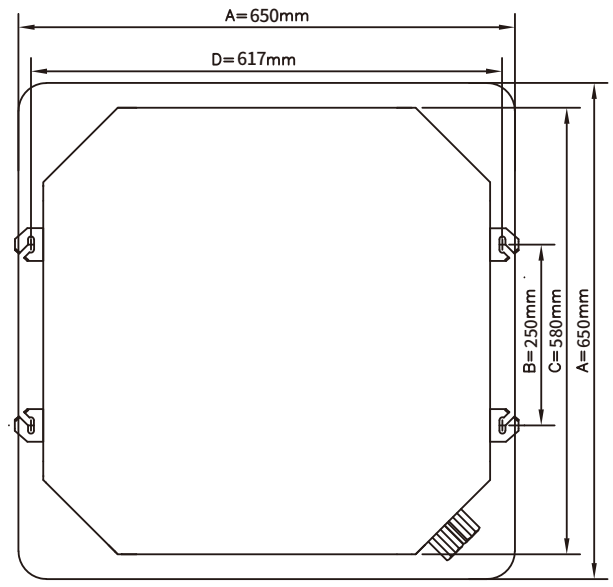


Model	FP-200LM	FP-300LM	FP-400LM	FP-500LM	FP-600LM	FP-800LM	FP-1000LM	FP-1200LM	FP-1400LM
A(mm)	860	980	1050	1180	1300	1500	1760	1960	2160
B(mm)	460	580	650	780	900	1100	1360	1560	1760

4-way cassette fan coil unit

Model			FP-200KM	FP-300KM	FP-400KM
Cooling capacity	H	W	2000	2700	3700
	M		1700	2300	2800
	L		1100	1400	2000
Heating capacity	H	W	2800	4200	5600
	M		2500	3500	4200
	L		1700	2100	3000
Input power		W	34	50	58
Operating current		A	0.151	0.225	0.258
Voltage		V/P/Hz	220V/1PH/50Hz		
Fan QTY			1	1	1
Air flow	H	m^3/h	340	510	680
	M		280	390	520
	L		180	260	350
Noise		dB(A)	34/36/37	35/37/39	37/39/41
Control method		Remote control or wire control			
Water flow		m^3/h	0.34	0.46	0.64
Water resistance		Kpa	7	9	11
Drain pipe size		mm	Rc3/4		
Water pipe size	Inlet	inch	Rc3/4		
	Outlet	inch	Rc3/4		
Connection method			Outside wire connection		
Weight		kg	21	22	23
Casing	L	mm	650	650	650
	P		650	650	650
	H		30	30	30
	Weight	kg	2	2	2

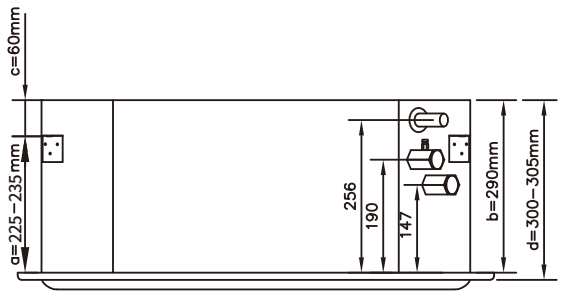


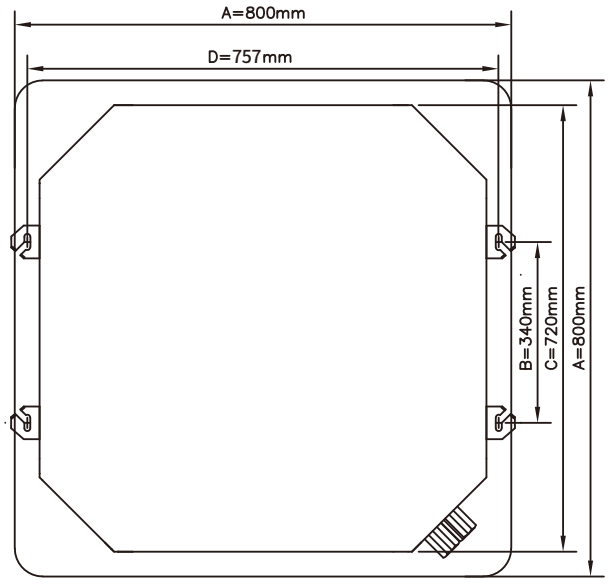


1. Rated air flow is based on 0pa outlet static pressure.
2. Cooling: air inlet dry bulb temperature 27℃ humidity temperature 19.5℃, water outlet temperature 7℃, return water temperature 12℃
3. Heating: air inlet dry bulb temperature 20℃, water inlet temperature 60℃ water outlet temperature is 50℃.

4-way cassette fan coil unit

Model			FP-500KM	FP-600KM	FP-800KM
Cooling capacity	H	W	4700	5800	7200
	M		3800	4600	5800
	L		2700	3900	4300
Heating capacity	H	W	7000	8400	11200
	M		5700	6900	8700
	L		4000	5800	6400
Input power		W	72	92	126
Operating current		A	0.32	0.385	0.561
Voltage		V/P/Hz	220V/1PH/50Hz		
Fan QTY			1	1	1
Air flow	H	m^3/h	850	1020	1360
	M		640	790	1030
	L		430	520	690
Noise		dB(A)	39/40/43	40/43/45	41/44/46
Control method		Remote control or wire control			
Water flow		m^3/h	0.81	1	1.24
Water resistance		Kpa	16	18	19
Drain pipe size		mm	Rc3/4		
Water pipe size	Inlet	inch	Rc3/4		
	Outlet	inch	Rc3/4		
Connection method			Outside wire connection		
Weight		kg	30.5	31	31.5
Casing	L	mm	800	800	800
	P		800	800	800
	H		30	30	30
	Weight	kg	3.5	3.5	3.5

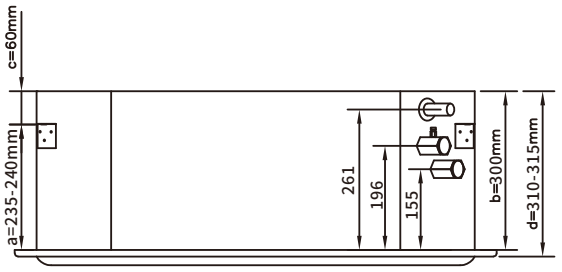


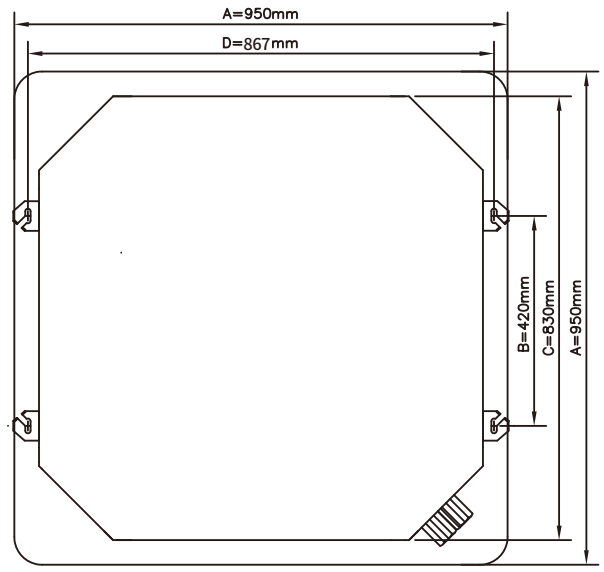


1. Rated air flow is based on 0pa outlet static pressure.
2. Cooling: air inlet dry bulb temperature 27℃, humidity temperature 19.5℃, water outlet temperature 7℃, return water temperature 12℃.
3. Heating: air inlet dry bulb temperature 20℃, water inlet temperature 60℃, water outlet temperature is 50℃.

4-way cassette fan coil unit

Model			FP-1000KM	FP-1200KM	FP-1400KM
Cooling capacity	H	W	9200	11000	12600
	M		8000	9000	10500
	L		6500	7000	9000
Heating capacity	H	W	13900	16700	19500
	M		12000	13500	15700
	L		9700	10500	13500
Input power		W	128	152	198
Operating current		A	0.547	0.677	0.882
Voltage		V/P/Hz	220V/1PH/50Hz		
Fan QTY			1	1	1
Air flow	H	m^3/h	1700	2040	2380
	M		1290	1500	1800
	L		860	1030	1200
Noise		dB(A)	44/45/47	43/46/49	44/48/52
Control method		Remote control or wire control			
Water flow		m^3/h	1.58	1.89	2.17
Water resistance		Kpa	17	19	22
Drain pipe size		mm	Rc3/4		
Water pipe size	Inlet	inch	Rc3/4		
	Outlet	inch	Rc3/4		
Connection method			Outside wire connection		
Weight		kg	38.5	39.5	40.5
Casing	L	mm	950	950	950
	P		950	950	950
	H		30	30	30
	Weight	kg	4.5	4.5	4.5





1. Rated air flow is based on 0pa outlet static pressure.
2. Cooling: air inlet dry bulb temperature 27℃, humidity temperature 19.5℃ water outlet temperature 7℃, return water temperature 12℃.
3. Heating: air inlet dry bulb temperature 20℃, water inlet temperature 60℃, water outlet temperature is 50℃.

Optional Accessories

Electric two-way/three-way valve (optional)

- The driver and valve are easy and fast disassemble and install without any tools.
- The actuator base is stainless steel, the valve is forged by precision copper or stainless steel, dived by fully closed unidirectional magnetic tape synchronous motor with safety, reliable and long service life.
- Use two-wire control switch, synthetic rubber valve core, low noise when closed.

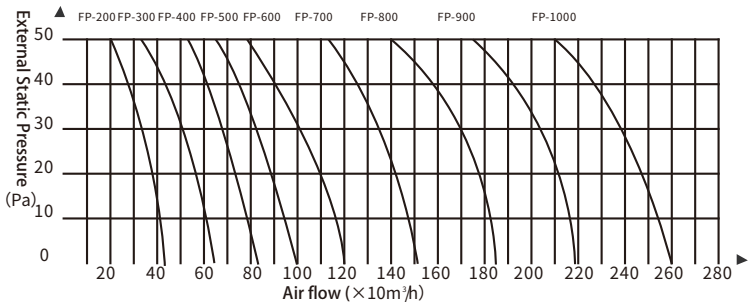
HM-832 LCD temperature controller (optional)

- Large size LCD screen, beautiful appearance, easy operation.
- Easy installation, suit to 86X86 standard cable box.
- With power off start/shutdown state memory function.
- Suit to high-end apartment, hotel and office building etc.

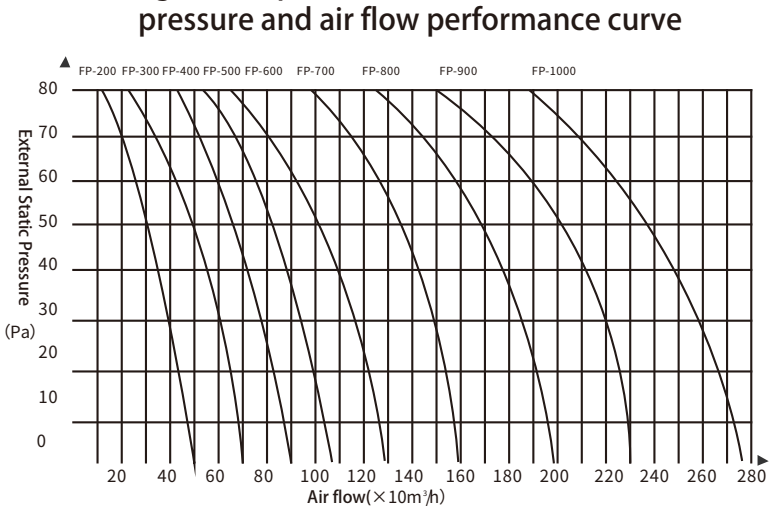
HM-928 touch screen temperature controller (optional)

- Temperature controller is full touch screen, with cooling/heating function, mainly for two-pipe FCU.
- Temperature accuracy can be controlled within ±1℃, humidity range is10%~90%.
- Suit to high-end apartment, hotel and office building etc.

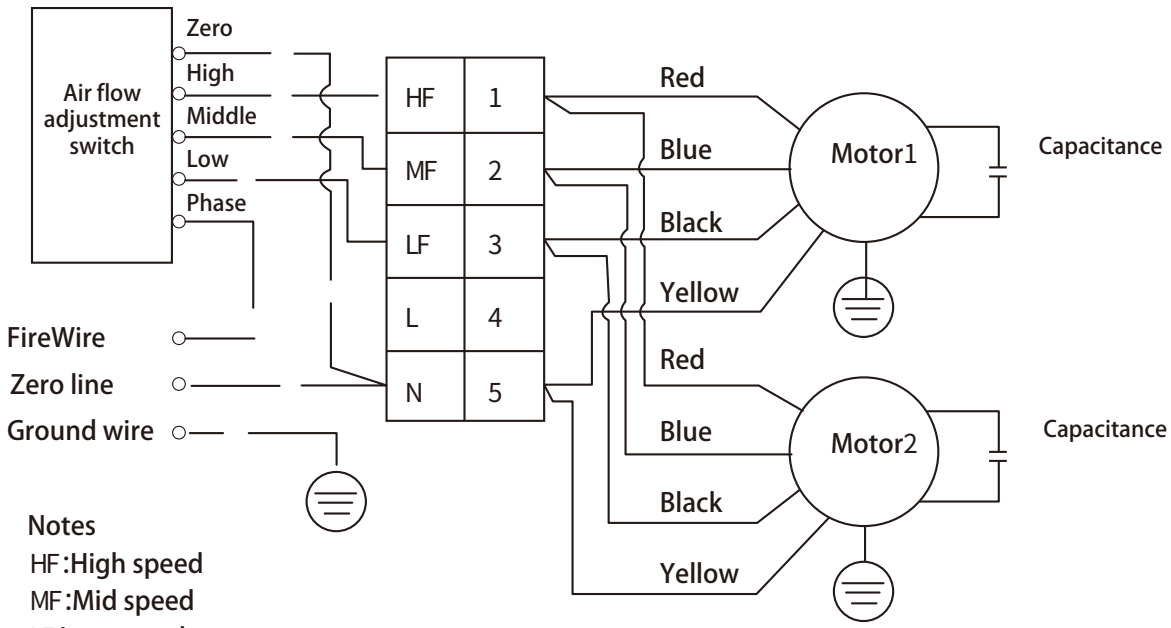
High static pressure FCU performance



High static pressure 30Pa FCU outlet static pressure and air flow performance curve



Fan coil unit electric control diagram(except KM series)



Notes
HF:High speed
MF:Mid speed
LF:Low speed

Only FP800#-FP1400# unit has motor 2

Installation and use instructions

- Vertical FCU is installed on a horizontal level, keep it vertical and not inclined. The horizontal FCU, the four lifting points must keep the unit level during installation to prevent the condensate water to overflow due to non-levelness.
- Inlet pipe should install a valve for adjustment & maintenance, focus on cleaning & heat preservation of inlet & outlet pipes. Condensate water plastic pipe can not be flatted or bent to ensure condensate water flows smoothly during use.
- FCU has three-speed switch, start in high speed and then is other speed.
- FCU voltage: 220V±10% 50Hz 1ph(customized). If the FCU is difficult to start, check whether the voltage is normal and whether the wind wheel is contact with the fan volute. When install the FCU, don't damage the casing and fin etc.
- The cooling water temperature in summer should≥7℃, and the hot water temperature in winter should≤80℃.
- Max working pressure is 1.6MPa.
- Clean the filter regularly.
- Clean the heat exchanger regularly to ensure good heat transfer performance.
- After turn on the power, should operate the fan to check whether the rotation direction is correct.
- If FCU is concealed install, should with access door for maintenance.
- The FCU should turn off during maintenance.
- Please refer to the user manual for install and use the cassette fan coil unit.
- If the parameters are update, subject to HON MING technical document without notice.

Ordering instruction

- When choose FCU, please confirm the model and water inlet&outlet is left or right type.
- When the horizontal concealed FCU with return air box, please confirm the air return type is down or rear.
- Horizontal concealed FCU has low static pressure (12Pa) & high static pressure (30Pa, 50Pa), please confirm when order.
- Due to the products are still in updating,so changes in product performance, parameter and material without notice.

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