



Fan Coil Unit Collection

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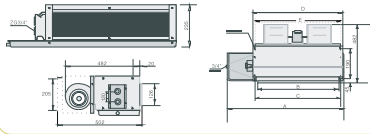
Dekon Water Fan Coil Unit



Characteristic

- Fan**
Our fans are made by international professional fan manufacturer with stable quality and reliable character with routine dynamic balance precise design. Fan curve steady and quiet.
- Water collection tray**
Removes dust with high-grade, smooth surface spray, corrosion resistance, anti-rust.
One-time cleaning and no dripping, without water leakage.
Adopt the overall thermal insulation, in order to avoid secondary condensate drip.
Two-way divergent mouth slope design, condensate water speed, reduce the water remain made in tray, effectively reduce the rate of bacterial growth, large condensate tray designed to enhance surface cooler and access to water dripping outside the interface of the phenomenon of condensation.
- Heat exchanger**
Hydrophilic aluminum: This uses high quality copper tube, high heat exchanging efficiency, large heat exchanging area, low pressure droping, large cooling and heating capacity.
High quality material copper can supporting water pressure.
- Air return box is optional, which can ease installation, reducing construction cost**
- Integrated models**
Air volume from 345 to 2300m³/h, include 8 models and also different static pressure types.
- High efficiency**
Adopt good quality heat exchanger and fan, which is benefit to the heat exchanging capacity and life cycle.
- Symmetrical design, easy installation**
Symmetrical design, it is easy to change the air inlet and left/right water tube connection to right/left connection.

Installing dimension



MODEL	FP-345A	FP-515A	FP-685A	FP-855A	FP-1025A	FP-1195A	FP-1365A	FP-1535A
A	425	445	465	485	505	525	545	565
B	520	530	535	540	545	550	555	560
C	520	520	520	520	520	520	520	520
D	680	680	680	680	680	680	680	680
E	480	500	520	540	560	580	600	620

⑤ Ceiling concealed ducted type fan coil unit { 2-tube system }

Model 2-tube system		FP-345A	FP-515A	FP-685A	FP-855A	FP-1025A	FP-1195A	FP-1365A	FP-1535A	FP-1705A	FP-1875A
Air volume	M	350	510	670	830	990	1150	1300	1500	1650	1800
	M ³ /h	270	390	510	630	750	870	1040	1240	1400	1530
Fan	M	190	260	330	400	470	540	610	680	750	820
	M ³ /h	150	210	270	330	400	470	540	610	680	750
Cooling capacity	Pa	12130	15320	18530	21740	24950	28160	31370	34580	37790	41000
	Th	1400	2100	2800	3500	4200	4900	5600	6300	7000	7700
	Sh	1410	2120	2830	3540	4250	4960	5670	6380	7090	7800
	W	1341	2012	2682	3353	4023	4694	5364	6034	6704	7374
	W	1418	2187	2857	3527	4197	4867	5537	6207	6877	7547
	M	1152	1728	2304	2880	3456	4032	4608	5184	5760	6336
Heating capacity	Pa	1134	1701	2268	2835	3402	3969	4536	5103	5670	6237
	M	900	1350	1800	2250	2700	3150	3600	4050	4500	4950
Noise	Pa	2200	4200	5400	6700	8100	9500	10900	12300	13700	15100
	M	2079	3119	4159	5199	6239	7279	8319	9359	10399	11439
Power input	Pa	1824	2424	3024	3624	4224	4824	5424	6024	6624	7224
	M	14	21	28	35	42	49	56	63	70	77
Refrigerant	Pa	0.24	0.41	0.58	0.75	0.92	1.09	1.26	1.43	1.60	1.77
	M	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05
Water weight	Pa	21.34	25.54	29.74	33.94	38.14	42.34	46.54	50.74	54.94	59.14
	M	0.84	1.01	1.18	1.35	1.52	1.69	1.86	2.03	2.20	2.37
Water weight	Pa	23.04	27.24	31.44	35.64	39.84	44.04	48.24	52.44	56.64	60.84
	M	0.84	1.01	1.18	1.35	1.52	1.69	1.86	2.03	2.20	2.37

⑤ Ceiling concealed ducted type fan coil unit { 4-tube system }

Model 4-tube system		FP-345A	FP-515A	FP-685A	FP-855A	FP-1025A	FP-1195A	FP-1365A	FP-1535A	FP-1705A	FP-1875A
Air volume	M	350	510	670	830	990	1150	1300	1500	1650	1800
	M ³ /h	270	390	510	630	750	870	1040	1240	1400	1530
Fan	M	190	260	330	400	470	540	610	680	750	820
	M ³ /h	150	210	270	330	400	470	540	610	680	750
Cooling capacity	Pa	12130	15320	18530	21740	24950	28160	31370	34580	37790	41000
	Th	1400	2100	2800	3500	4200	4900	5600	6300	7000	7700
	Sh	1410	2120	2830	3540	4250	4960	5670	6380	7090	7800
	W	1341	2012	2682	3353	4023	4694	5364	6034	6704	7374
	W	1418	2187	2857	3527	4197	4867	5537	6207	6877	7547
	M	1152	1728	2304	2880	3456	4032	4608	5184	5760	6336
Heating capacity	Pa	1134	1701	2268	2835	3402	3969	4536	5103	5670	6237
	M	900	1350	1800	2250	2700	3150	3600	4050	4500	4950
Noise	Pa	2200	4200	5400	6700	8100	9500	10900	12300	13700	15100
	M	2079	3119	4159	5199	6239	7279	8319	9359	10399	11439
Power input	Pa	1824	2424	3024	3624	4224	4824	5424	6024	6624	7224
	M	14	21	28	35	42	49	56	63	70	77
Refrigerant	Pa	0.24	0.41	0.58	0.75	0.92	1.09	1.26	1.43	1.60	1.77
	M	0.01	0.01	0.02	0.02	0.03	0.03	0.04	0.04	0.05	0.05
Water weight	Pa	21.34	25.54	29.74	33.94	38.14	42.34	46.54	50.74	54.94	59.14
	M	0.84	1.01	1.18	1.35	1.52	1.69	1.86	2.03	2.20	2.37
Water weight	Pa	23.04	27.24	31.44	35.64	39.84	44.04	48.24	52.44	56.64	60.84
	M	0.84	1.01	1.18	1.35	1.52	1.69	1.86	2.03	2.20	2.37

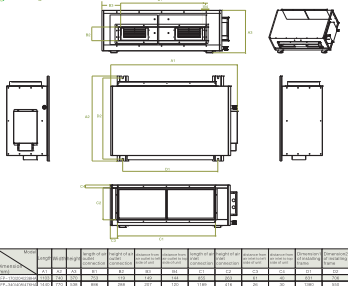




Characteristic

- Classical elegant design
- High static pressure, long distance air supply
- Big diameter fan, big air volume, low noise
- E-heater is optional
- Fresh air can be input from outside

Installing dimension



Model (2-tube system)		FP-170HA	FP-204HA	FP-238HA	FP-340HA	FP-408HA	FP-476HA	
Power supply		220V, 50Hz, 1Ph						
Air volume	H	1700	2040	2380	3400	4080	4760	
	M	1280	1550	1800	2640	3100	3600	
	L	860	1050	1280	1720	2100	2560	
Static pressure	Pa		120	120	120	200	250	300
	TH	H	3000	1800	1260	1800	1800	2100
		M	3070	2630	2200	4200	2900	3080
Cooling capacity	SH	H	6705	8046	9387	13410	16032	18774
		M	23677	27413	32028	45738	54746	64027
	TH	M	5790	6745	7926	10206	14080	17426
		L	3769	4511	5363	6918	9122	10912
	SH	M	5709	6911	8063	11518	13822	16105
		L	3670	4384	5138	6654	8508	10176
TH	M	5650	6604	7828	10340	13608	15876	
	L	3640	4378	5099	6598	8708	10318	
Heating capacity	H	13500	16200	18900	27000	32400	37800	
	M	10395	12474	14553	20790	24948	29106	
Noise	High speed	(dB(A))	50	52	54	56	58	60
	Power input	High speed	W	420	490	520	900	1100
Water flow volume	High speed	m ³ /h	1.54	1.85	2.16	3.08	3.7	4.32
	Pressure dropping	kPa	22	30	36	40	56	66
Water tube connection (mm)	Water tube connection (mm)	20/74	20/74	20/74	20/74	20/74	20/74	
	Water tube connection (inlet)	20/74	20/74	20/74	20/74	20/74	20/74	
Coil	Type	Hydrophilic aluminum fin to wear copper tube						
	Maximum working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
Condensing water pipe	mm	DN20 (external thread)						
Net dimension	LxWxH	(mm)	1180*270*55	1180*270*55	1110*270*55	1440*270*58	1440*270*58	
	Net weight	kg	57	58	57	89	105	

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

Model (4-tube system)		FP-170HA4	FP-204HA4	FP-238HA4	FP-340HA4	FP-408HA4	FP-476HA4	
Power supply		220V, 50Hz, 1Ph						
Air volume	H	1700	2040	2380	3400	4080	4760	
	M	1280	1550	1800	2640	3100	3600	
	L	860	1050	1280	1720	2100	2560	
Static pressure	Pa		120	120	120	200	250	300
	TH	H	3000	1800	1260	1800	1800	2100
		M	3070	2630	2200	4200	2900	3080
Cooling capacity	SH	H	6705	8046	9387	13410	16032	18774
		M	23677	27413	32028	45738	54746	64027
	TH	M	5790	6745	7926	10206	14080	17426
		L	3769	4511	5363	6918	9122	10912
	SH	M	5709	6911	8063	11518	13822	16105
		L	3670	4384	5138	6654	8508	10176
TH	M	5650	6604	7828	10340	13608	15876	
	L	3640	4378	5099	6598	8708	10318	
Heating capacity	H	16100	19320	22540	32400	39000	45600	
	M	12160	14544	16928	24240	29160	34080	
Noise	High speed	(dB(A))	50	52	54	56	58	60
	Power input	High speed	W	420	490	520	900	1100
Water flow volume	High speed	m ³ /h	1.54	1.85	2.16	3.08	3.7	4.32
	Pressure dropping	kPa	22	30	36	40	56	66
Water tube connection (mm)	Water tube connection (mm)	20/74	20/74	20/74	20/74	20/74	20/74	
	Water tube connection (inlet)	20/74	20/74	20/74	20/74	20/74	20/74	
Coil	Type	Hydrophilic aluminum fin to wear copper tube						
	Maximum working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6
Condensing water pipe	mm	DN20 (external thread)						
Net dimension	LxWxH	(mm)	1180*270*55	1180*270*55	1110*270*55	1440*270*58	1440*270*58	
	Net weight	kg	57	58	57	91	102	119

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





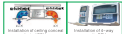
Characteristic

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



2. Specially design to boost the air-short floating. This design unit which can be installed in a limit ceiling (the Min. thickness is 290mm)

3. Easy to be installed. Low installation cost
Compare to the ceiling mounted FCU, we don't need install the air duct and coil, and also the ducted construction and insulation.



5. Remote controller is standard and wire controller is optional



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



9. Float switch inside to prevent from leaking



11. External drained pan is optional which it can short the time of maintain



12. Fresh air can be input from outside



13. Auxiliary duct is available to send part of air to other place, to improve indoor temperature air quality



15. The water remain in the tray is easy to be drained by manual

16. Square panels, which can choose the direction of insulotlet water connection tray

17. Fan and motor is easy to maintain

18. The dimension of K1 unit is only 370 x 370mm, which can be installed in a standard ceiling opening

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

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

21. External drained pan is optional which it can short the time of maintain



4-way cassette FCU performance (2 tube system)

		Model (2-tube system)											
Power capacity		FP-306A-C01	FP-316A-C01	FP-326A-C01	FP-336A-C01	FP-346A-C01	FP-356A-C01	FP-366A-C01	FP-376A-C01	FP-386A-C01	FP-396A-C01	FP-406A-C01	FP-416A-C01
Cooling capacity (kW)		340	510	680	850	1020	1190	1360	1530	1700	1870	2040	2210
Heating capacity (kW)		230	400	570	740	910	1080	1250	1420	1590	1760	1930	2100
Water flow rate (L/s)		0	0	0	0	0	0	0	0	0	0	0	0
Water supply pressure (kPa)		1000	2700	3650	4550	5450	6300	7200	8050	8900	9750	10600	11450
Water supply temperature (°C)		17.0	20.0	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0
Water return temperature (°C)		16.0	19.0	22.0	25.0	28.0	31.0	34.0	37.0	40.0	43.0	46.0	49.0
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A
Cooling capacity (kW)		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Heating capacity (kW)		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Water flow rate (L/s)		0	0	0	0	0	0	0	0	0	0	0	0
Water supply pressure (kPa)		1000	2700	3650	4550	5450	6300	7200	8050	8900	9750	10600	11450
Water supply temperature (°C)		17.0	20.0	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0
Water return temperature (°C)		16.0	19.0	22.0	25.0	28.0	31.0	34.0	37.0	40.0	43.0	46.0	49.0
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A

4-way cassette FCU performance (4 tube system)

		Model (4-tube system)											
Power capacity		FP-306A-C02	FP-316A-C02	FP-326A-C02	FP-336A-C02	FP-346A-C02	FP-356A-C02	FP-366A-C02	FP-376A-C02	FP-386A-C02	FP-396A-C02	FP-406A-C02	FP-416A-C02
Cooling capacity (kW)		340	510	680	850	1020	1190	1360	1530	1700	1870	2040	2210
Heating capacity (kW)		230	400	570	740	910	1080	1250	1420	1590	1760	1930	2100
Water flow rate (L/s)		0	0	0	0	0	0	0	0	0	0	0	0
Water supply pressure (kPa)		1000	2700	3650	4550	5450	6300	7200	8050	8900	9750	10600	11450
Water supply temperature (°C)		17.0	20.0	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0
Water return temperature (°C)		16.0	19.0	22.0	25.0	28.0	31.0	34.0	37.0	40.0	43.0	46.0	49.0
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A
Cooling capacity (kW)		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
Heating capacity (kW)		2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
Water flow rate (L/s)		0	0	0	0	0	0	0	0	0	0	0	0
Water supply pressure (kPa)		1000	2700	3650	4550	5450	6300	7200	8050	8900	9750	10600	11450
Water supply temperature (°C)		17.0	20.0	23.0	26.0	29.0	32.0	35.0	38.0	41.0	44.0	47.0	50.0
Water return temperature (°C)		16.0	19.0	22.0	25.0	28.0	31.0	34.0	37.0	40.0	43.0	46.0	49.0
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A
Water valve control type		231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A	231A





1-way cassette type fan coil unit

Characteristic

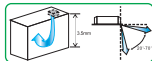
- 1-way air flow, which is easy to be installed in the side of ceiling
- This design unit which can be installed in a limit ceiling (the thickness of unit is only 235mm)



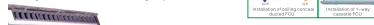
- Remote controller is standard and wire controller is optional

- Auto swing, wide air flowing range

Wide air flowing range: The Max. height of space can be 3.5m; the flowing range is Max. 93 degrees



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

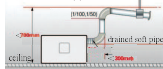


- Quiet running

Reduce fan sound by using special fan, the indoor fan motor is silent



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



- Flood switch inside to prevent from leaking

- Fresh air can be inputted from outside

- Easy to be installed, Low installation cost

Comparing to the ceiling outdoor ducted FCU, we do not need to equip the air line and water line also the duct connection and insulation



- Fan and Fan motor is easy to maintain

- Easy interfaced with most widely used Mod-bus and proprietary supervisory system based on Mod-Bus protocol

- Left/right water tube connection can be selected

Model (2-tube system)

Model of unit		FP-36K1M-Q1A1	FP-51K1M-Q1A1	FP-66K1M-Q1A1	FP-86K1M-Q1A1	
Power supply		220V/50Hz/1Ph				
Air volume	H	340	510	660	850	
	M	280	360	515	660	
	L	180	260	360	430	
Static pressure	Pa		0	0	0	
	TH	H	W	1850	2700	3600
			BTU/h	6143	9213	12024
BTU/h			4436	6722	9012	
Cooling capacity	SH	H	W	1300	1700	2100
			BTU/h	4436	5812	7188
	TH	M	W	1050	1400	1800
			BTU/h	3581	4759	6180
	TH	L	W	1390	1817	2300
			BTU/h	4436	6180	7920
Heating capacity	H	W	2700	4000	5400	
			3900	5700	7500	
			4900	7200	9500	
Noise	High speed	dB(A)		37	39	41
		dB(A)		37	37	39
		dB(A)		37	37	39
Water/ice	High speed	m³/h		0.31	0.46	0.62
		m³/h		0.31	0.46	0.62
		m³/h		0.31	0.46	0.62
Pressure drop	Cooling tube	kPa		10.7	10.7	10.7
		kPa		23.94*	23.94*	23.94*
		kPa		23.94*	23.94*	23.94*
Water tube connection	Type	23.94*		23.94*	23.94*	
		23.94*		23.94*	23.94*	
		23.94*		23.94*	23.94*	
Max. working pressure	Condensing water pipe	MPa		1.6	1.6	1.6
		MPa		2.26	2.26	2.26
		MPa		2.26	2.26	2.26
Net dimension	Unit	L x W x H		971 x 413 x 236	971 x 413 x 236	971 x 413 x 236
		mm		971 x 413 x 236	971 x 413 x 236	971 x 413 x 236
		mm		971 x 413 x 236	971 x 413 x 236	971 x 413 x 236
Net weight	Panel	kg		22	22	23
		kg		22	22	23
		kg		22	22	23

Model(4-tube system)

Model of unit		FP-36K1M-Q1A1	FP-51K1M-Q1A1	FP-66K1M-Q1A1	FP-86K1M-Q1A1	
Power supply		220V/50Hz/1Ph				
Air volume	H	340	510	660	850	
	M	280	360	515	660	
	L	180	260	360	430	
Static pressure	Pa		0	0	0	
	TH	H	W	1300	1700	2100
			BTU/h	4436	5812	7188
BTU/h			3581	4759	6180	
Cooling capacity	SH	H	W	1050	1400	1800
			BTU/h	3581	4759	6180
	TH	M	W	1390	1817	2300
			BTU/h	4436	6180	7920
	TH	L	W	1390	1817	2300
			BTU/h	4436	6180	7920
Heating capacity	H	W	1050	1400	1800	
			1650	2100	2700	
			2100	2800	3600	
Noise	High speed	dB(A)		37	39	41
		dB(A)		37	37	39
		dB(A)		37	37	39
Water/ice	High speed	m³/h		0.31	0.46	0.62
		m³/h		0.31	0.46	0.62
		m³/h		0.31	0.46	0.62
Pressure drop	Cooling tube	kPa		10.7	10.7	10.7
		kPa		23.94*	23.94*	23.94*
		kPa		23.94*	23.94*	23.94*
Water tube connection	Type	23.94*		23.94*	23.94*	
		23.94*		23.94*	23.94*	
		23.94*		23.94*	23.94*	
Max. working pressure	Condensing water pipe	MPa		1.6	1.6	1.6
		MPa		2.26	2.26	2.26
		MPa		2.26	2.26	2.26
Net dimension	Unit	L x W x H		971 x 413 x 236	971 x 413 x 236	971 x 413 x 236
		mm		971 x 413 x 236	971 x 413 x 236	971 x 413 x 236
		mm		971 x 413 x 236	971 x 413 x 236	971 x 413 x 236
Net weight	Panel	kg		22	22	23
		kg		22	22	23
		kg		22	22	23




DEKON
High Wall Mounted Fan Coil Unit


DEKON
High Wall Mounted Fan Coil Unit


Model		FP-34HM	FP-51WM	FP-68HM	FP-85WM	FP-102WM	FP-136WM	
Air Volume	Hi Speed	CFM	200	300	400	500	600	800
		m ³ /h	340	510	680	850	1020	1360
	Medium Speed	CFM	150	225	300	375	450	600
		m ³ /h	255	382.5	510	637.5	765	1020
	Low Speed	CFM	100	150	200	250	300	400
		m ³ /h	170	255	340	425	510	680
Cooling Capacity	Hi Speed	W	1808	2712	3618	4514	5406	7210
	Medium Speed	W	1537	2305	3075	3837	4595	6129
	Low Speed	W	1175	1763	2352	2934	3514	4687
Heating Capacity	Hi Speed	W	2709	4070	5418	6767	8155	10807
	Medium Speed	W	2303	3460	4605	5752	6898	9186
	Low Speed	W	1761	2646	3522	4399	5275	7025
Noise Level	dB(A)	42/39/36	42/39/36	43/40/37	47/43/40	47/43/40	49/45/41	
Fan Motor	Fan Quantity	1	1	1	1	1	1	
	Motor Quantity	1	1	1	1	1	1	
	Power Input	W	52	62	76	96	134	
Water Flow Volume	l/h	350	610	800	950	1080	1390	
Hydraulic Resistance	kPa	30	30	30	30	40	40	
Max Working pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	
Dimension(WxDxH)	Net	mm	850x300x198	850x300x198	850x300x198	970x315x235	970x315x235	1100x330x235
	Packing	mm	885x360x270	885x360x270	885x360x270	1010x380x300	1010x380x300	1140x390x300
Net/Gross Weight	kg	11/12.5	11/12.5	12.6/14.5	15/17	16/18	20/23	
Inlet/Outlet Water Pipe		Rc1/2" (DN15)			Rc1/2" (DN15)			
Drain Pipe		R1/2" (DN15)			R1/2" (DN15)			
Buffing Quantity(20/40/40H)		328/672/756	328/672/756	328/672/756	238/476/544	238/476/544	210/434/496	

Note:

- Cooling capacity test conditions: Air inlet Temp. : 27 °C, DB/19.5 °C WB, Water inlet/outlet Temp. : 7 °C/12 °C
- Heating capacity test conditions: Air inlet Temp. : 21 °C, DB, Water inlet Temp. : 60 °C
- Noise level is tested in full-anechoic room.

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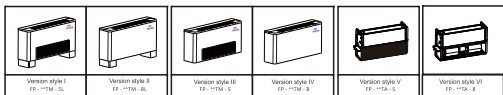
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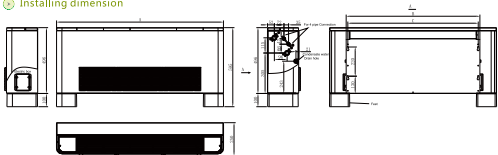


Characteristic

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



MODEL	FP-34TM	FP-51TM	FP-68TM	FP-85TM	FP-102TM	FP-136TM	FP-170TM	FP-204TM	FP-238TM
A	858	908	1058	1208	1258	1468	1758	1908	2058
B	608	658	808	958	1008	1358	1508	1658	1808
C	583	633	783	933	983	1283	1483	1633	1783
Fan blower	1	2	2	2	2	4	4	4	4
Motor	1	1	1	1	1	2	2	2	2

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Universal type fan coil unit (2-tube system)

Model	Power capacity										
	FP-34TM	FP-51TM	FP-68TM	FP-85TM	FP-102TM	FP-136TM	FP-170TM	FP-204TM	FP-238TM		
Air output	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
	SH	BTU/h	6142	9212	12282	15354	18425	24566	30708	36850	42991
	SH	BTU/h	1968	2952	3936	4920	5904	7872	9840	11808	13776
	TH	W	1494	2242	2989	3736	4483	5978	7472	8967	10461
	SH	W	1181	1771	2362	2952	3541	4722	5903	7084	8265
	SH	L	1162	1744	2325	2906	3487	4649	5812	6974	8136
Heating capacity	H	W	2700	4050	5400	6750	8100	10800	13500	16200	18900
	M	W	2131	3197	4262	5328	6393	8524	10655	12786	14917
Noise	FP-34TM	37	39	41	43	45	48	48	50	51	
	FP-51TM	37	52	62	76	96	134	152	189	228	
Water supply	FP-34TM	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
	FP-51TM	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
Water tube connection	FP-34TM	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
	FP-51TM	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
Water tube connection	FP-34TM	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
	FP-51TM	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
Water supply pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	bar	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
Water supply connection	mm	ø 16									

Universal type fan coil unit (4-tube system)

Model	Power capacity										
	FP-34TM4	FP-51TM4	FP-68TM4	FP-85TM4	FP-102TM4	FP-136TM4	FP-170TM4	FP-204TM4	FP-238TM4		
Air output	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
	SH	BTU/h	6142	9212	12282	15354	18425	24566	30708	36850	42991
	SH	BTU/h	1968	2952	3936	4920	5904	7872	9840	11808	13776
	TH	W	1494	2242	2989	3736	4483	5978	7472	8967	10461
	SH	W	1181	1771	2362	2952	3541	4722	5903	7084	8265
	SH	L	1162	1744	2325	2906	3487	4649	5812	6974	8136
Heating capacity	H	W	1500	1840	2500	3240	3980	5180	6480	7780	9070
	M	W	1020	1530	2040	2550	3060	4070	5080	6110	7130
Noise	FP-34TM4	37	39	41	43	45	48	48	50	51	
	FP-51TM4	37	52	62	76	96	134	152	189	228	
Water supply	FP-34TM4	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
	FP-51TM4	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16	
Water tube connection	FP-34TM4	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
	FP-51TM4	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
Water tube connection	FP-34TM4	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
	FP-51TM4	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	203/14"	
Water supply pressure	MPa	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
	bar	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
Water supply connection	mm	ø 16									

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Characteristics

- 1 Ultra thin design,the thickness of FCU is only 130mm.



- 4 Air return direction is selectable, both side-returning and bottom returning is optional, adjust to fit different environment.



- 3 Wind amount could be controlled in a breeze status, very quiet, it is the best alternative to the radiator.

- 3.1 Radiators only offer heating, but our ultra-thin FCU can offer both heating and cooling

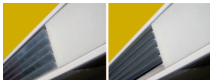
3.2

Heating speed of radiators is slow and radiation of radiators is narrow, inefficient air convection. FCU have higher speed of heat exchange, therefore, FCU can create more uniform temperature field space.

- 5 Using metal cross flow fan, not only decrease operating noise, but also increase air pressure.

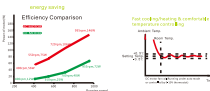
- 6 Left/right water connecting direction can be selected.

- 2 Auto swing is optional and also manual adjusting to air flowing is optional



- 7 Left and right side panels can be removed independently. It is easy for installation and maintenance.

- 8 AC motor is standard. DC motor is optional.



- 9 2-way(3 way) water valve can be built-in, which is benefit to the cost saving of installation.

- 10 Easy-removable and washable filter was built-in.

- 11 Touch screen controller is optional for DC type fan coil units. The appearance is very fashionable and technically.

Model		FP-20SF	FP-30SF	FP-40SF	FP-50SF	FP-60SF
Power supply		220V,50Hz,1Ph				
Air volume max	m ³ /h	200	300	400	500	600
Air volume min	m ³ /h	80	120	180	220	260
Cooling capacity	W	1000	1900	2800	3500	4000
	Btu/h	3400	6500	9550	12000	13700
Heating capacity (1)	W	1500	2850	4200	5250	6000
	Btu/h	5100	9700	14300	17900	20500
Heating capacity (2)	W	2000	3800	5550	6950	8000
	Btu/h	6800	12950	18950	23700	27300
Noise	dB(A)	30	32	36	38	40
Power input	W	18	24	35	40	45
Waterflow volume	m ³ /h	0.17	0.33	0.49	0.6	0.64
Pressure dropping	kPa	12	14	18	20	24
Water tube connection(inlet)		R1/2"				
Water tube connection(outlet)		R1/2"				
Coil	Type	high efficient copper pipe to wear Hydrophilic aluminum coil				
Maximum working pressure	Mpa	1.6				
Condensation pipe size (diameter)	mm	φ 21				
Net dimension(L*W*H)	mm	700X130X681	900X130X681	1100X130X681	1300X130X681	1500X130X681

Testing condition

Cooling

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

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

Heating(1)

Entering air temperature: 20°C

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

Heating(2)

Entering water temperature: 70°C, Same water flow rate as for the cooling

Dimension of units

