



FAN COIL UNITS

Ceiling Cabinet Type



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ISO 9001



Chiller Water Type Standard Specifications

60Hz/50Hz

MODEL	UNIT	YFC							
		300	400	600	800	1000	1200	1400	
Cooling Capacity	Kcal/h	2,550	3,450	5,350	7,150	8,400	9,350	11,300	
Heating Capacity	Kcal/h	4,200	5,900	8,460	11,040	13,200	14,900	18,000	
Air volume	m ³ /h	620	960	1,210	1,460	1,800	2,300	2,520	
Fan									
Type	Double inlet Centrifugal Forward-curved Fan								
Number	pcs	1	1	2	2	3	4	4	
Motor									
Power source	1 PH - 110V - 60Hz /1 PH - 220V - 60Hz /1 PH - 220V - 50Hz								
Type	E Class Insulation 3 Speed Permanent Split-capacitor Motor								
Number	pcs	1	1	1	1	2	2	2	
Power Input	W	45	55	60	80	128	134	168	
Running Current(110V)	A	0.41	0.51	0.60	0.79	1.20	1.25	1.58	
Running Current(220V)	A	0.21	0.26	0.30	0.40	0.60	0.63	0.79	
Coil									
Type	Slit aluminum Fins mechanically bonded to copper tubes								
Operating Pers.	Kg/cm ²	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
Water Flow	l/min	8.5	11.5	17.8	23	28.0	31.2	37.6	
Head Loss	mAq	0.9	1.5	3.1	5.0	2.6	3.1	3.9	
Water Conn.	in	3/4	3/4	3/4	3/4	3/4	3/4	3/4	
Dimension									
A	mm	754	856	1060	1264	1468	1672	1876	
B	mm	714	816	1020	1224	1428	1632	1836	
Net Weight	Kg	27	32	39	45	55	64	72	

Note : the capacity is based on the following conditions

Cooling – Entering air temp. 27°C DB, 19.5°C WB.

Entering chilled water temp 7°C leaving temp rise 5°C.

Heating – Entering air temp 21°C DB. Entering hot water temp 60°C

Direct Expansion Type Standard Specifications

60Hz/50Hz

MODEL	UNIT	YFC - X						
		300	400	600	800	1000	1200	1400
Cooling Capacity	Kcal/h	2,550	3,450	5,350	7,150	8,400	9,350	11,300
Air volume	m ³ /h	620	960	1,210	1,460	1,800	2,300	2,520
Fan								
Type	Double inlet Centrifugal Forward-curved Fan							
Number	pcs	1	1	2	2	3	4	4
Motor								
Power source	1 PH - 220V - 60Hz/1 PH - 220V - 50Hz							
Type	E Class Insulation 3 Speed Permanent Split-capacitor Motor							
Number	pcs	1	1	1	1	2	2	2
Power Input	W	45	55	60	80	128	134	168
Running Current	A	0.21	0.26	0.30	0.40	0.60	0.63	0.79
Coil								
Type	Slit aluminum Fins mechanically bonded to copper tubes							
Operating Pers.	Kg/cm ²	20	20	20	20	20	20	20
Refrigerant	R-410A							
Dimension								
A	mm	754	856	1060	1264	1468	1672	1876
B	mm	714	816	1020	1224	1428	1632	1836
Liquid Line	in	1/4	1/4	1/4	1/4	3/8	3/8	1/2
Suction Line	in	3/8	1/2	1/2	5/8	5/8	5/8	3/4
Net Weight	Kg	27	32	39	45	55	64	72

Note : the capacity is based on the following conditions

Cooling-Entering air temp. 27°C DB, 19.5°C WB.

Refrigerant evaporator temp 7°C.

Fan Coil Units (Ceiling Cabinet Type) Construction and General Features

1. This series Fan Coil Unit have chiller water type & direct expansion type. Chiller water type use chiller units' chiller water make cooling; also use heat recovery water make heating. Direct expansion type use condensing units' refrigerant make cooling.
2. Modern stream-line design, ceiling suspended, no floor space occupied..
3. Anti-rust bake paint, elegant color, luxury appearance, able to beautify indoor view.
4. All units are using E class insulation 3-speed permanent split capacitor motor with its shaft normalized and chrome plating treated, no deflection, corrosion proof and durable. Ball bearings provide low-noise and save energy.
5. The coils are using slit aluminum fins mechanically and tightly bonded to seamless copper tubes, providing high heat transfer. For minimizing the pressure drop, all units adopt the brass water header to distribute the water fluently and evenly. An air vent on the header makes air in the system easily released.
6. Four direction air grill, wind direction adjustable freely.
7. Air-filter mounted, easy to dismantle and wash. Keeping air filter.
8. The air speed switch and temperature control switch can be installed on suitable indoor site to connect with temperature by one's desire.

Fan Coil Units (Ceiling Cabinet Type) Dimensions

