

Fan Coil Unit



FEATURES

FRAME and STRUCTURE

Panels and frame are made of galvanized steel, properly punched for fixing both accessories and the unit itself.

HIGH EFFICIENCY COIL

The coils are made of seamless tubes expanded into aluminum fins in continuous block. The connections have brass headers with female fittings and provided with easily accessible vent and drainage valve.

LOW NOISE

Thanks to the rigidly bolted panel, dynamic and static balancing test of fans, maximum to reduce the vibration and noise. Coupled with high quality insulation material inside the unit, superb low noise performance is achieved.

MULTIPLE ESP AVAIIABLE

Stand units come with ESP 12/30/50Pa, able to suit different applications.

FAN

The fan decks are composed of double suction centrifugal fans with aluminum impellers and 3-speed fan motors. Each fan motor assembly is dynamically balanced.

DRAIN PAN

Drain pan with integral thermal insulation and professional welding skill enable all condensation water to be collected and prevent leakage.

FILTER

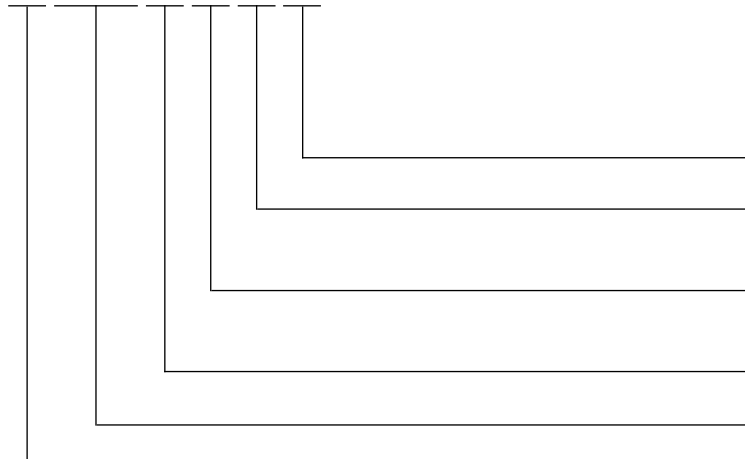
Filter is made of aluminum net and aluminum frame, easy to clean and replace.

OPTIONAL

- ◆ Electric heater
- ◆ Return air box
- ◆ DC brushless motor
- ◆ Ultra thickness-195mm height available

NOMENCLATURE

H F P 06 S 2 --



--: 12Pa ; 3: 30Pa; 5: 50Pa

2: 2pipe3rows

4: 4pipe3+1rows

S: Ceiling Concealed; ES: Exposed Ceiling;

EF: Exposed Floorstanding;

SF: Concealed Floorstanding;

Air Flow

*100CFM

FP: Fan Coil Unit

HYC Product

2pipe3row

Model		02	03	04	05	06	07	08	10	12	14	
Air flow	m ³ /h	H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	255	383	510	638	765	895	1020	1275	1530	1785
		L	170	255	340	425	510	605	680	850	1020	1190
Cooling capacity	kW	H	1.90	2.85	3.80	4.75	5.68	6.92	7.35	9.20	10.92	12.74
		M	1.62	2.42	3.23	4.03	4.83	5.86	6.25	7.82	9.28	10.83
		L	1.24	1.85	2.47	3.08	3.69	4.48	4.78	5.98	7.10	8.28
Heating capacity	kW	H	2.85	4.27	5.69	7.11	8.53	10.71	11.03	13.78	16.53	19.09
		M	2.42	3.63	4.84	6.04	7.25	8.81	9.37	11.71	14.05	16.23
		L	1.85	2.78	3.70	4.62	5.54	6.73	7.17	8.96	10.75	12.41
Water flow	m ³ /h	0.35	0.52	0.67	0.83	1.00	1.21	1.29	1.61	1.92	2.23	
Water pressure drop	Kpa	9.3	12.3	18.4	21.6	32.5	39.5	39.5	28.5	38.0	44.5	
Input power	W	12Pa	36	46	60	74	93	112	130	147	183	221
		30Pa	43	57	70	84	105	121	151	169	206	245
		50Pa	48	64	81	97	114	131	169	204	243	291
Fan qty	/	1	2				3			4		
Power supply	220V/1Ph/50Hz(60Hz)											
Noise	dB (A)	12Pa	37	39	41	43	45	46	46	48	50	52
		30Pa	40	42	44	46	47	48	48	50	52	54
		50Pa	42	44	46	47	49	50	50	52	54	56
Dimension	Length(mm)	660	760	860	960	1060	1160	1460	1460	1760	1960	
	Width(mm)	470	470	470	470	470	470	470	470	470	470	
	Height(mm)	236	236	236	236	236	236	236	236	236	236	
Net weight	kg	14	17	19	21	22	27	31	33	39	42	
Water pipe in/out		DN20										
Drain pipe		DN20										

The performance values refer to the following conditions:

- Cooling: Air inlet temperature: DB27 °C /WB19.5 °C, water temperature: 7/12 °C.
- Heating: Air inlet temperature: 21 °C, water temperature: 60/50 °C.
- HYC reserve the right to make changes for above parameters without prior notice.

SPECIFICATION

4pipe3+1row

Model		02	03	04	05	06	07	08	10	12	14	
Air flow	m ³ /h	H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	255	383	510	638	765	895	1020	1275	1530	1785
		L	170	255	340	425	510	605	680	850	1020	1190
Cooling capacity	kW	H	1.90	2.85	3.80	4.75	5.68	6.92	7.35	9.20	10.92	12.74
		M	1.62	2.42	3.23	4.03	4.83	5.86	6.25	7.82	9.28	10.83
		L	1.24	1.85	2.47	3.08	3.69	4.48	4.78	5.98	7.10	8.28
Heating capacity	kW	H	1.61	2.16	2.97	3.23	4.01	4.54	5.31	6.20	7.44	8.59
		M	1.37	1.84	2.52	2.75	3.41	3.68	4.51	5.27	6.32	7.3
		L	1.05	1.41	1.93	2.10	2.60	2.95	3.45	4.03	4.84	5.58
Cooling water flow	m ³ /h	0.35	0.52	0.67	0.83	1.00	1.21	1.29	1.61	1.92	2.23	
Heating water flow	m ³ /h	0.14	0.19	0.26	0.28	0.35	0.40	0.46	0.54	0.65	0.75	
Water pressure drop	Kpa	9.3	12.3	18.4	21.6	32.5	33.5	39.5	28.5	38	44.5	
Input power	W	12Pa	37	52	62	76	96	112	134	152	189	228
		30Pa	44	59	72	87	108	121	156	174	212	253
		50Pa	49	66	84	100	118	131	174	210	250	300
Fan qty	/	1	2				3			4		
Power supply		220V/1Ph/50Hz(60Hz)										
Noise	dB (A)	12Pa	37	39	41	43	45	46	46	48	50	52
		30Pa	40	42	44	46	47	48	48	50	52	54
		50Pa	42	44	46	47	49	50	50	52	54	56
Dimension	Length(mm)	660	760	860	960	1060	1160	1460	1460	1760	1960	
	Width(mm)	470	470	470	470	470	470	470	470	470	470	
	Height(mm)	236	236	236	236	236	236	236	236	236	236	
Net weight	kg	14.8	18.5	20.7	22.8	23.8	29	33.2	36.2	42.8	47.2	
Water pipe in/out		DN20										
Drain pipe		DN20										

The performance values refer to the following conditions:

- Cooling: Air inlet temperature: DB27 °C /WB19.5 °C, water temperature: 7/12 °C.
- Heating: Air inlet temperature: 21 °C, water temperature: 60/50 °C.
- HYC reserve the right to make changes for above parameters without prior notice.

2pipe4row

Model		02	03	04	05	06	07	08	10	12	14	
Air flow	m ³ /h	H	340	510	680	850	1020	1190	1360	1700	2040	2380
		M	255	383	510	638	765	895	1020	1275	1530	1785
		L	170	255	340	425	510	605	680	850	1020	1190
Cooling capacity	kW	H	2.4	3.6	4.8	6.0	7.2	8.26	9.6	12.0	14.4	16.8
		M	1.92	2.88	3.84	4.8	5.76	6.59	7.68	9.6	11.52	13.44
		L	1.56	2.34	3.12	3.9	4.68	5.37	6.24	7.8	9.36	10.92
Heating capacity	kW	H	3.6	5.4	7.2	9.0	10.8	12.8	14.4	18c.0	21.6	25.2
		M	2.88	4.32	5.76	7.2	8.64	9.9	11.52	14.4	17.28	20.16
		L	2.48	3.51	4.68	5.85	7.02	8.05	9.36	11.7	14.04	15.12
Water flow	m ³ /h	0.44	0.65	0.85	1.05	1.27	1.43	1.68	2.1	2.53	2.94	
Water pressure drop	Kpa	9.3	12.3	18.4	21.6	32.5	34.5	39.5	28.5	38.0	44.5	
Input power	W	12Pa	37	52	62	76	96	112	134	152	189	228
		30Pa	44	59	72	87	108	121	156	174	212	253
		50Pa	49	66	84	100	118	131	174	210	250	300
Fan qty	/	1	2					3		4		
Power supply		220V/1Ph/50Hz(60Hz)										
Noise	dB (A)	12Pa	37	39	41	43	45	46	46	48	50	52
		30Pa	40	42	44	46	47	48	48	50	52	54
		50Pa	42	44	46	47	49	50	50	52	54	56
Dimension	Length(mm)	660	760	860	960	1060	1160	1460	1460	1760	1960	
	Width(mm)	470	470	470	470	470	470	470	470	470	470	
	Height(mm)	236	236	236	236	236	236	236	236	236	236	
Net weight	kg	14.8	18.5	20.7	22.8	23.8	29	33.2	36.2	42.8	47.2	
Water pipe in/out		DN20										
Drain pipe		DN20										

- The performance values refer to the following conditions:
- Cooling: Air inlet temperature: DB27 °C /WB19.5 °C, water temperature: 7/12 °C.
 - Heating: Air inlet temperature: 21 °C, water temperature: 60/50 °C.
 - HYC reserve the right to make changes for above parameters without prior notice.