

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 AVAILABLE

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

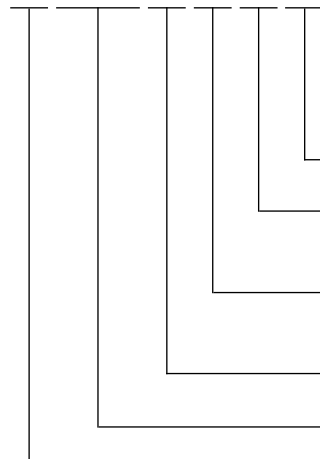
Filter is made of aluminum net and aluminum frame, easy to clean and replace.

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

SPECIFICATION

2pipe3row

Model			02	03	04	05	06	07	08	10	12	14
Air flow	m³/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	m³/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	m³/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	m³/h		0.35	0.52	0.67	0.83	1.00	1.21	1.29	1.61	1.92	2.23
Heating water flow	m³/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	m³/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	m³/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.



Cassette Fan Coil Unit



FEATURES

PANEL

Luxury shape and ABS panel. External and internal sound and heat insulation layer--20mm thickness insulation. Cabinet made with EPS inside unit and 5mm insulation material outside unit cabinet. Inside the panel adhered with EPS polystyrene foamed material.

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.

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

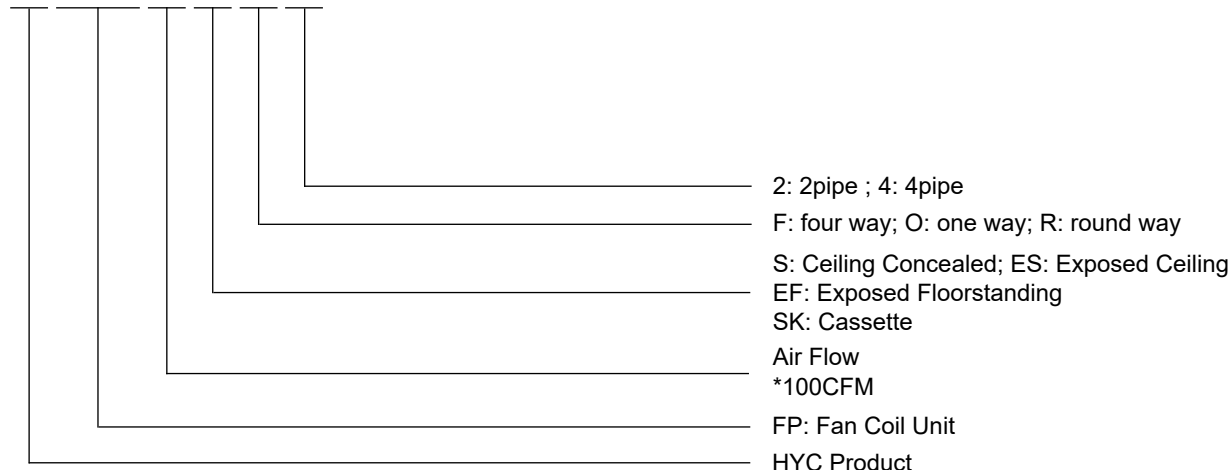
Filter is made of aluminum net and aluminum frame, easy to clean and replace.

OPTIONAL

- ◆ DC brushless motor

NOMENCLATURE

H F P 06 SK F 2



SPECIFICATION

One way air supply/2pipe

Model			02	03	04	05
Air flow	m ³ /h	H	340	510	680	850
		M	280	380	515	660
		L	180	260	340	430
Cooling capacity	W	H	1800	2700	3600	4500
		M	1500	2460	3000	3715
		L	1390	2057	2479	2920
Heating capacity	W	H	2700	4050	5400	6750
		M	1950	2770	3935	4900
		L	1290	1774	2800	3505
Noise	dB(A)	H	43	45	46	47
Input power	W	H	70	75	95	100
Water flow	m ³ /h	H	0.31	0.46	0.62	0.77
Water pressure drop	kPa		16	18	20	20
Power supply	/		220V/1PH/50HZ			
Water pipe in/out	/		ZG3/4"			
Drain pipe	mm		∅ 26			
Max working pressure	Mpa		1.6			
Size	L*W*H (mm)	unit	958×413×236			
		panel	1044×468×31			
Weight	kg	unit	19.4	19.4	20.5	20.5
		panel	4			

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 inlet temperature: 60 °C.
- HYC reserve the right to make changes for above parameters without prior notice.

SPECIFICATION

One way air supply/4pipe

Model			02	03	04	05
Air flow	m ³ /h	H	340	510	680	850
		M	280	380	515	660
		L	180	260	340	430
Cooling capacity	W	H	1350	2030	2700	3380
		M	1130	1850	2250	2790
		L	1040	1540	1860	2190
Heating capacity	W	H	1080	1620	2160	2700
		M	780	1108	1574	1960
		L	516	710	1120	11402
Noise	dB(A)	H	43	45	46	47
Input power	W	H	70	75	95	100
Water flow (cooling coil)	m ³ /h	H	0.23	0.35	0.46	0.58
Water flow (heating coil)	m ³ /h	H	0.09	0.14	0.19	0.23
Water pressure drop (cooling coil)	kPa	H	20	20	20	20
Water pressure drop (heating coil)	kPa	H	10	10	10	10
Power supply	/		220V/1PH/50HZ			
Water pipe in/out	/		ZG3/4"			
Drain pipe	mm		∅ 26			
Max working pressure	Mpa		1.6			
Size	L*W*H (mm)	unit	958×413×236			
		panel	1044×468×31			
Weight	kg	unit	21	21	22	22
		panel	4			

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 inlet temperature: 60 °C.
- HYC reserve the right to make changes for above parameters without prior notice.

SPECIFICATION

Four way air supply/2pipe

Model			02	03	04	05	06	08	10	12	14	16
Air flow	m ³ /h	H	340	510	680	850	1020	1360	1700	2040	2380	2720
		M	280	380	515	660	765	1050	1280	1550	1840	2320
		L	180	260	340	430	530	710	860	1050	1280	1750
Cooling capacity	kW	H	2.0	3.0	3.8	4.9	5.8	7.5	9.8	11.0	12.6	15.0
		M	1.7	2.55	3.25	4.15	4.95	6.4	8.35	9.35	10.2	12.45
		L	1.4	2.05	2.6	3.4	4.0	5.2	6.75	7.6	8.3	10.3
Heating capacity	kW	H	3.1	4.7	5.9	7.6	9.0	11.6	15.2	17.1	18.9	23.0
		M	2.65	4.0	5.0	6.45	7.65	9.85	12.9	14.55	15.8	19.9
		L	2.1	3.15	3.95	5.1	6.05	7.75	10.2	11.45	12.45	15.2
Noise	dB (A)	H	37	39	41	43	45	46	48	50	51	53
Input power	W	H	37	52	62	76	96	134	152	189	228	250
Water flow	m ³ /h	H	0.34	0.51	0.65	0.83	0.99	1.28	1.67	1.87	2.04	2.55
Water pressure drop	kPa		11	13	22	18	25	23	28	33	42	45
Power supply	/		220V/1PH/50HZ									
Water pipe in/out	/		ZG3/4"									
Drain pipe	mm		∅ 26									
Max working pressure	Mpa		1.6									
Size	L*W*H (mm)	unit	590*590*242			750*750*242			840*840*292			946* 946* 292
		panel	650*650*40			850*850*40			950*950*40			1050* 1050* 40
Weight	kg	unit	17	18	19	22	23	24	28	28	29	33
		panel	2.2			4.5			5.5			6

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 inlet temperature: 60 °C.
- HYC reserve the right to make changes for above parameters without prior notice.

SPECIFICATION

Four way air supply/4pipe

Model			02	03	04	05	06	08	10	12	14	16
Air flow	m ³ /h	H	340	510	680	850	1020	1360	1700	2040	2380	2720
		M	280	380	515	660	765	1050	1280	1550	1840	2320
		L	180	260	340	430	530	710	860	1050	1280	1750
Cooling capacity	kW	H	2.0	3.0	3.7	4.8	5.7	7.4	9.6	10.8	11.8	13.2
		M	1.7	2.5	3.2	4.1	4.9	6.3	8.2	9.2	10.0	11.0
		L	1.4	2.0	2.6	3.4	3.9	5.1	6.6	7.5	8.2	9.1
Heating capacity	kW	H	2.0	3.0	3.75	4.85	5.75	7.4	9.7	10.9	11.9	13.5
		M	1.7	2.6	3.2	4.1	4.85	6.3	8.2	9.3	10.1	11.2
		L	1.4	2.0	2.5	3.3	3.85	5.0	6.5	7.3	8.0	8.8
Noise	dB (A)	H	39	42	44	44	46	46	48	50	51	53
Input power	W	H	30	37	50	63	80	125	150	190	210	240
Cooling coil water flow	m ³ /h	H	0.33	0.5	0.64	0.81	0.97	1.25	1.64	1.83	2.0	2.2
Heating coil water flow	m ³ /h	H	0.22	0.33	0.42	0.54	0.64	0.82	1.08	1.21	1.32	1.5
Power supply	/		220V/1PH/50HZ									
Water pipe in/out	/		ZG3/4"									
Drain pipe	mm		∅ 26									
Max working pressure	Mpa		1.6									
Size	L*W*H (mm)	unit	590*590*242			750*750*242			840*840*292			946* 946* 292
		panel	650*650*40			850*850*40			950*950*40			1050* 1050* 40
Weight	kg	unit	19	20	20	25	26	29	30	30	30	34
		panel	2.2			4.5			5.5			6

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 inlet temperature: 60 °C.
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