



# High ESP 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

ESP is higher than 50Pa, able to suit different applications, suitable for long distance air supply.

### 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

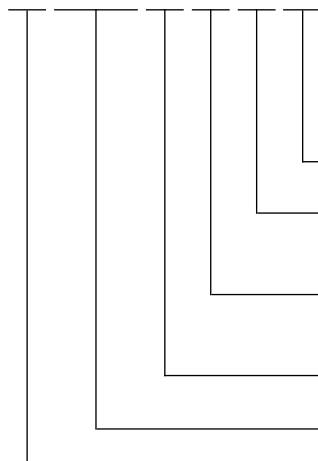
Filter is made of aluminum net and aluminum frame, easy to clean and replace.

### OPTIONAL

- ◆ Electric heater
- ◆ Return air box
- ◆ EC motor

## NOMENCLATURE

**H F P 12 S 2 G**



G: High ESP>50Pa

2: 2pipe3rows; 3: 2pipe4rows

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

### 3rows/4rows

Model		08	10	12	14	16	18	20	
Air flow (m³/h)	High	1360	1700	2040	2380	2720	3060	3400	
	Medium high	1360	1700	2040	2380	2720	3060	3400	
	Medium	950	1190	1430	1670	1900	2140	2380	
ESP (Pa)	High	75	75	85	85	100	100	100	
	Medium high	50	50	50	50	60	60	60	
	Medium	37	37	42	42	49	49	49	
Cooling capacity (kW)	3ROWS	TH	6.89	8.62	10.6	12.31	13.5	15.51	17.19
		SH	5.51	6.91	8.24	9.58	10.55	12.15	14.14
	4ROWS	TH	8.35	10.44	12.92	15	16.7	19.12	21.21
		SH	6.18	7.76	9.31	10.83	12.14	13.98	16.28
Heating capacity (kW)	3ROWS	12.54	15.45	19.07	22.02	24.58	27.98	30.8	
	4ROWS	14.19	17.74	21.97	25.5	28.72	32.51	36.47	
Water flow (L/S)	3ROWS	0.333	0.416	0.512	0.594	0.652	0.749	0.83	
	4ROWS	0.403	0.504	0.624	0.724	0.806	0.923	1.024	
Water pressure drop (kPa)	3ROWS	23.5	36	35	42	31	39	43	
	4ROWS	24	37	40	50	30	38	42	
Noise level dB(A)	/	51	53	57	58	60	61	61	
Coil	Max working pressure	1.6Mpa							
	In/out water pipe (inch)	1	1	1	1	1½	1½	1½	
Motor	Type	3-speed							
	Quantity	1	1	1	1	1	1	1	
	Input power (W)	286	337	410	580	657	750	810	
Fan	Type	double inlet centrifugal fan							
	Quantity	2	2	2	2	2	2	2	
Drain pan	Type	one-time punching forming+electrostatic spraying							
	Drain pipe size	R¾"							
Dimension	Length	1180	1180	1370	1370	1370	1500	1500	
	Width	612	612	612	612	612	612	612	
	Height	340	340	340	340	340	340	340	
Net weight	3ROWS	38	38	43	43	43	54	54	
	4ROWS	42	42	48	48	48	60	60	

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.