

# 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

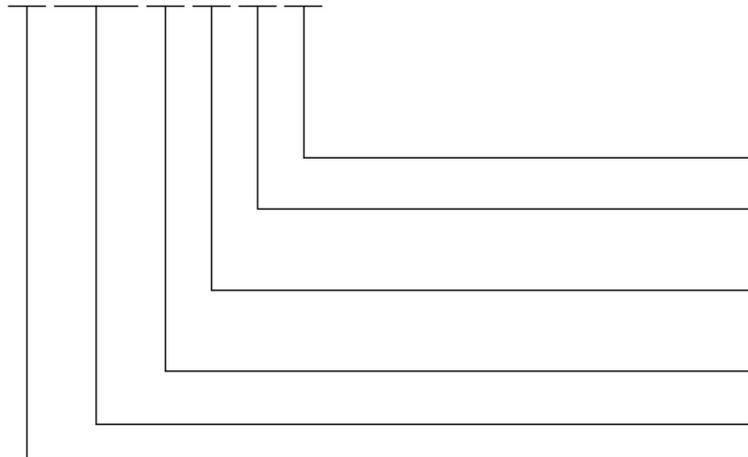
Filter is made of aluminum net and aluminum frame, easy to clean and replace.

### OPTIONAL

- ◆ Electric heater
- ◆ Return air box
- ◆ DC brushless motor

## NOMENCLATURE

M 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

Miller Product

## SPECIFICATION

### 2pipe3row

Model			02	03	04	05	06	08	10	12	14
Air flow	m <sup>3</sup> /h	H	340	510	680	850	1020	1360	1700	2040	2380
		M	255	383	510	638	765	1020	1275	1530	1785
		L	170	255	340	425	510	680	850	1020	1190
Cooling capacity	kW	H	1.90	2.85	3.80	4.75	5.68	7.35	9.20	10.92	12.74
		M	1.62	2.42	3.23	4.03	4.83	6.25	7.82	9.28	10.83
		L	1.24	1.85	2.47	3.08	3.69	4.78	5.98	7.10	8.28
Heating capacity	kW	H	2.85	4.27	5.69	7.11	8.53	11.03	13.78	16.53	19.09
		M	2.42	3.63	4.84	6.04	7.25	9.37	11.71	14.05	16.23
		L	1.85	2.78	3.70	4.62	5.54	7.17	8.96	10.75	12.41
Water flow	m <sup>3</sup> /h	0.35	0.52	0.67	0.83	1.00	1.29	1.61	1.92	2.23	
Water pressure drop	Kpa	9.3	12.3	18.4	21.6	32.5	39.5	28.5	38	44.5	
Input power	W	12Pa	37	52	62	76	96	134	152	189	228
		30Pa	44	59	72	87	108	156	174	212	253
		50Pa	49	66	84	100	118	174	210	250	300
Fan qty	/	1	2			3			4		
Power supply	220V/1Ph/50Hz										
Noise	dB (A)	12Pa	37	39	41	43	45	46	48	50	52
		30Pa	40	42	44	46	47	48	50	52	54
		50Pa	42	44	46	47	49	50	52	54	56
Net weight (with return air box)	kg	14.2	17.5	19.5	21.4	22.3	31.2	33.4	39.5	43.2	
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.

## SPECIFICATION

### 4pipe3+1row

Model			02	03	04	05	06	08	10	12	14
Air flow	m <sup>3</sup> /h	H	340	510	680	850	1020	1360	1700	2040	2380
		M	255	383	510	638	765	1020	1275	1530	1785
		L	170	255	340	425	510	680	850	1020	1190
Cooling capacity	kW	H	1.90	2.85	3.80	4.75	5.68	7.35	9.20	10.92	12.74
		M	1.62	2.42	3.23	4.03	4.83	6.25	7.82	9.28	10.83
		L	1.24	1.85	2.47	3.08	3.69	4.78	5.98	7.10	8.28
Heating capacity	kW	H	0.82	1.22	1.62	2.03	2.43	3.24	4.05	4.85	6.30
		M	0.73	1.10	1.46	1.83	2.18	2.92	2.65	4.37	5.04
		L	0.66	0.99	1.32	1.64	1.97	2.62	3.28	3.94	3.78
Water flow	m <sup>3</sup> /h		0.35	0.52	0.67	0.83	1.00	1.29	1.61	1.92	2.23
Water pressure drop	Kpa		9.3	12.3	18.4	21.6	32.5	39.5	28.5	38	44.5
Input power	W	12Pa	37	52	62	76	96	134	152	189	228
		30Pa	44	59	72	87	108	156	174	212	253
		50Pa	49	66	84	100	118	174	210	250	300
Fan qty	/		1	2			3		4		
Power supply			220V/1Ph/50Hz								
Noise	dB (A)	12Pa	37	39	41	43	45	46	48	50	52
		30Pa	40	42	44	46	47	48	50	52	54
		50Pa	42	44	46	47	49	50	52	54	56
Net weight (with return air box)	kg		14.8	18.5	20.7	22.8	23.8	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.

## SPECIFICATION

### 2pipe3row(DC Brushless)

Model			02	03	04	05	06	08	10	12	14
Air flow	m <sup>3</sup> /h	H	340	510	680	850	1020	1360	1700	2040	2380
Cooling capacity	kW	H	1.98	2.8	3.87	4.58	5.42	7.38	9.08	11.1	12.9
Heating capacity	kW	H	3.39	4.5	6.35	7.45	9.22	12.4	16.3	19.5	20.2
Water flow	m <sup>3</sup> /h		0.39	0.58	0.73	0.86	1.05	1.37	1.71	2.05	2.38
Water pressure drop	Kpa		9.3	12.3	18.4	21.6	32.5	39.5	28.5	38	44.5
Input power	W	12Pa	23	30	42	51	64	87	124	152	180
		30Pa	29	36	51	65	75	107	131	177	206
		50Pa	34	45	56	72	88	136	157	211	230
Fan qty	/		1	2			3		4		
Power supply	/		220V/1Ph/50Hz								
Noise	dB (A)	12Pa	34	36	36	38	41	43	44	45	46
		30Pa	36	37	40	42	43	44	45	47	49
		50Pa	38	39	41	43	45	46	48	52	52
Net weight (with return air box)	kg		14.5	17.8	19.8	21.7	22.6	31.7	33.9	40.0	43.7
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.



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