



Water Chilled Fan Coil Unit

Air Flow: 340-2380m³/h



Characteristics

Frame and structure

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

Water coil

The coils are made from 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

Fan deck

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

Drip tray

The drip trays are made from sheet metal treated with polyester powder coating to ensure total resistance to atmospheric agents

Filter

The easily removable filter is made of filtering honeycomb polypropylene fabric and supported by an aluminum frame. The filter is installed on the units with plenum only

Electric connection box

All electric wires are connected to enclosed electrical terminal block, situated on the same side of the water connections

Optional

- ◆ On-board thermostat and remote thermostat
- ◆ Electric heater
- ◆ Return air box
- ◆ Balancing valve



Nomenclature

L FCU N E F B 5.1 M
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

- ① Lark air product
- ② Fan Coil Unit
- ③ Installation method
 - L: With supporting legs
 - N: Without supporting legs

- ④ Unit version
 - C: Concealed version
 - E: Exposed version with plastic covers
- ⑤ Air intake
 - F: Front air intake
 - O: Underside air intake
- ⑥ Coil type
 - A: 2 pipes 3 rows

- B: 2 pipes 4 rows
- C: 4 pipes 3+1 rows
- ⑦ Air flow
- ⑧ External static pressure
 - : Standard (12Pa)
 - M: Medium static pressure (30Pa)
 - H: High static pressure (50Pa)

2 PIPES 3 ROWS

Model	Unit	3.4	5.1	6.8	8.5	10.2	13.6	17.0	20.4	23.8	
Air flow	H	m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	m³/h	255	383	510	638	765	1020	1275	1530	1785
	L	m³/h	170	255	340	425	510	680	850	1020	1190
Total cooling capacity *	H	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
	M	W	1440	2160	2880	3600	4320	5760	7200	8640	10080
	L	W	1170	1755	2340	2925	3510	4680	5850	7020	8190
Sensible cooling capacity *	H	W	1307	1961	2615	3268	3922	5229	6537	7844	10300
	M	W	1177	1765	2353	2942	3530	4706	5883	7060	8500
	L	W	1059	1588	2118	2647	3177	4236	5295	6354	7460
Heating capacity *	H	W	2700	4050	5400	6750	8100	10800	13500	16200	18900
	M	W	2160	3240	4320	5400	6480	8640	10800	12960	15120
	L	W	1857	2633	3510	4388	5265	7020	8775	10530	11340
Standard external pressure	Pa	12	12	12	12	12	12	12	12	12	
Power input	12Pa	W	35.2	46	57.4	69	86	123	160	189	228
	30Pa	W	39.5	55	66.9	82	100	136	175	211	247
	50Pa	W	49.5	59	85.4	93	108	155	188	236	297
Sound pressure level **	12Pa	dB(A)	37	39	41	43	45	46	48	50	52
	30Pa	dB(A)	40	42	44	46	47	48	50	52	54
	50Pa	dB(A)	42	44	46	47	49	50	52	54	56
Net weight	kg	10.5	14.6	16	16.5	18.5	23.5	25.5	30.5	35.5	
Water flow rate	m³/h	0.4	0.51	0.71	0.92	1.05	1.4	1.75	2.1	2.5	
Water pressure drop	kPa	20	20	25	30	35	40	40	45	50	
Water connections	Inch	RC 3/4"									
Drain pipe	Inch	RC 3/4"									
Fan motor quantity	Nr.	1	1	1	1	1	2	2	2	2	
Fan quantity	Nr.	1	2	2	2	2	3	4	4	4	
Max. working pressure	MPa	2									
Power supply	/	220V/1Ph/50Hz									

4 PIPES 3+1 ROWS

Model	Unit	3.4	5.1	6.8	8.5	10.2	13.6	17.0	20.4	23.8	
Air flow	H	m³/h	340	510	680	850	1020	1360	1700	2040	2380
	M	m³/h	255	383	510	638	765	1020	1275	1530	1785
	L	m³/h	170	255	340	425	510	680	850	1020	1190
Total cooling capacity *	H	W	1800	2700	3600	4500	5400	7200	9000	10800	12600
	M	W	1440	2160	2880	3600	4320	5760	7200	8640	10080
	L	W	1170	1755	2340	2925	3510	4680	5850	7020	8190
Sensible cooling capacity *	H	W	1307	1961	2615	3268	3922	5229	6537	7844	10300
	M	W	1177	1765	2353	2942	3530	4706	5883	7060	8500
	L	W	1059	1588	2118	2647	3177	4236	5295	6354	7460
Heating capacity *	H	W	810	1215	1620	2025	2430	3240	4050	4860	6300
	M	W	729	1094	1458	1823	2187	2916	2645	4374	5040
	L	W	656	984	1312	1640	1968	2624	3281	3937	3780
Standard external pressure	Pa	12	12	12	12	12	12	12	12	12	
Power input	12Pa	W	35.2	46	57.4	69	86	123	160	189	228
	30Pa	W	39.5	55	66.9	82	100	136	175	211	247
	50Pa	W	49.5	59	85.4	93	108	155	188	236	297
Sound pressure level **	12Pa	dB(A)	37	39	41	43	45	46	48	50	52
	30Pa	dB(A)	40	42	44	46	47	48	50	52	54
	50Pa	dB(A)	42	44	46	47	49	50	52	54	56
Net weight	kg	10.5	14.6	16	16.5	18.5	23.5	25.5	30.5	35.5	
Water flow rate	m³/h	0.4	0.51	0.71	0.92	1.05	1.4	1.75	2.1	2.5	
Water pressure drop	kPa	20	20	25	30	35	40	40	45	50	
Water connections	Inch	RC 3/4"									
Drain pipe	Inch	RC 3/4"									
Fan motor quantity	Nr.	1	1	1	1	1	2	2	2	2	
Fan quantity	Nr.	1	2	2	2	2	3	4	4	4	
Max. working pressure	MPa	2									
Power supply	/	220V/1Ph/50Hz									

*The data are referred to the following conditions:

Cooling: room temperature: 27°C 50% RH, water temperature: 7/12°C, high speed.

Heating: room temperature: 21°C, water temperature: 45/40°C, high speed.