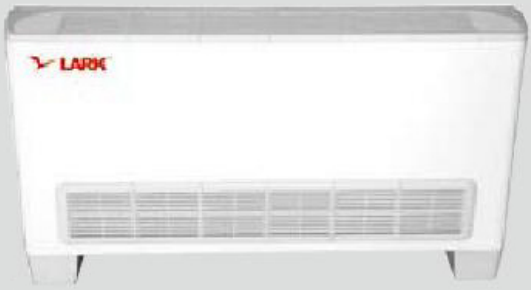

Water Chilled Fan Coil Unit

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

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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					3.4	5.1	6.8	8.5	10.2	13.6	17.0	20.4	23.8
Power supply					220V,50Hz,1Ph								
Air volume	H			m^3/h	340	510	680	850	1020	1360	1700	2040	2380
	M				260	390	510	640	770	1020	1280	1530	1790
	L				170	260	340	430	510	680	850	1020	1190
Cooling capacity	TH	H		W	1800	2700	3600	4500	5400	7200	9000	10800	12600
				BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991
	SH			W	1368	2052	2736	3420	4103	5471	6839	8207	9575
				BTU/h	4668	7001	9335	11669	13999	18667	23335	28002	32670
	TH	M		W	1494	2242	2989	3736	4483	5978	7472	8967	10461
	SH			W	1181	1771	2362	2952	3541	4772	5903	7084	8265
	TH	L		W	1162	1744	2325	2906	3487	4649	5812	6974	8136
	SH			W	953	1430	1907	2383	2860	3813	4765	5718	6672
Heating capacity	H			W	2700	4050	5400	6750	8100	10800	13500	16200	18900
	M				2131	3197	4262	5328	6393	8524	10655	12786	14917
	L				1675	2511	3349	4186	5024	6697	8372	10046	11721
Noise			Highspeed	dB(A)	37	39	41	43	45	46	48	50	51
Power input			Highspeed	W	37	52	62	76	96	134	152	189	228
Waterflow volume	Highspeed			m^3/h	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16
Pressure dropping				kPa	16	18	20	23	28	30	33	37	40
Water tube connection(inlet)					ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"
Water tube connection(outlet)					ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"
Coil			Type		high efficient copper pipe to wear Hydrophilic aluminum coil								
Maximum working pressure			MPa		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Condensation pipe size (diameter)			mm		¢ 16								

4 PIPES 3+1 ROWS

Model					3.4	5.1	6.8	8.5	10.2	13.6	17.0	20.4	23.8
Power supply					220V,50Hz,1Ph								
Air volume	H			m^3/h	340	510	680	850	1020	1360	1700	2040	2380
	M				260	390	510	640	770	1020	1280	1530	1790
	L				170	260	340	430	510	680	850	1020	1190
Cooling capacity	TH	H		W	1800	2700	3600	4500	5400	7200	9000	10800	12600
				BTU/h	6142	9212	12283	15354	18425	24566	30708	36850	42991
	SH			W	1368	2052	2736	3420	4103	5471	6839	8207	9575
				BTU/h	4668	7001	9335	11669	13999	18667	23335	28002	32670
	TH	M		W	1494	2242	2989	3736	4483	5978	7472	8967	10461
	SH			W	1181	1771	2362	2952	3541	4772	5903	7084	8265
	TH	L		W	1162	1744	2325	2906	3487	4649	5812	6974	8136
	SH			W	953	1430	1907	2383	2860	3813	4765	5718	6672
Heating capacity	H			W	2700	4050	5400	6750	8100	10800	13500	16200	18900
	M				2131	3197	4262	5328	6393	8524	10655	12786	14917
	L				1675	2511	3349	4186	5024	6697	8372	10046	11721
Noise			Highspeed	dB(A)	37	39	41	43	45	46	48	50	51
Power input			Highspeed	W	37	52	62	76	96	134	152	189	228
Water flow volume	Highspeed		Cooling tube	m^3/h	0.31	0.46	0.62	0.77	0.93	1.23	1.54	1.85	2.16
			Heating tube		0.11	0.17	0.22	0.28	0.34	0.45	0.56	0.67	0.78
Pressure dropping	Highspeed		Cooling tube	kPa	16	18	20	23	28	30	33	37	40
			Heating tube		8	10	12	14	16	20	22	25	28
Water tube connection(inlet)					ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"	ZG3/4"
Water tube connection(outlet)					ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"	ZG1/2"
Coil			Type		high efficient copper pipe to wear Hydrophilic aluminum coil								
Maximum working pressure			MPa		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Condensation pipe size (diameter)			mm		¢ 16								

***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.