MYSON

LO-LINE SURFACE MOUNT FAN CONVECTOR

Submittal Data

General

Provide MYSON LO-LINE hydronic surface mount wall fan convector in size(s) as scheduled. MYSON LO-LINE hydronic surface mount wall fan convectors are ETL approved. LO-LINE fan convectors are approved for installation on "open" potable water systems in compliance with and tested to NSF/ANSI 61, 372, CA/VT AB1953 and US Public Law No. 111-381 "Reduction of Lead in Drinking Water Act".

Each LO-LINE hydronic surface mount wall fan convector is engineered for quiet efficiency. The chassis is manufactured from zinc-coated painted steel. Fan assemblies have ball bearings for longer life and extremely low noise levels and the copper core heat exchanger is designed for fast heat transfer.

Each LO-LINE fan convector is supplied with an infrared remote control. The LO-LINE can be operated in automatic or manual mode. In automatic mode, the desired room temperature is programmed into the unit and fan speed is automatically adjusted until temperature is achieved. In manual mode, any one of the 3 fan speeds can be selected. The water temperature sensor brings the fan on at 90°F. in heating mode and 59°F. in cooling mode. This insures that the fan will only operate when there is sufficient hot of cold water in the heat exchanger to prevent the fan from blowing cold air in the heating mode or warm air in the cooling mode. Fan speed and room temperature may be adjusted with the remote control. Every unit is factory tested to insure the finest quality product with specified confirmed temperature output.

Standard Connections:
1/2" copper tube for supply and return.

Electrical Specifications:
120 Vac 60 Hz

Available Finish
White

Maximum positive operating pressure: 145psi
Maximum operating temperature: 200° F

Quality certificates

ISO 9002

10/3/1 WARRANTY 10/3/1

Warranty:
Heat Exchanger - **10 Years**
Fan Assembly - **3 Years**
All Other parts - **1 Year**

PROJECT NAME:

ARCHITECT:

ENGINEER:

SUBMITTED DATE:

APPROVED DATE:

APPROVED

JUN 2016

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Lo-Line Fan Convector

Heating Performance Data

Heat outputs tested in accordance with BS 4856 Part 1

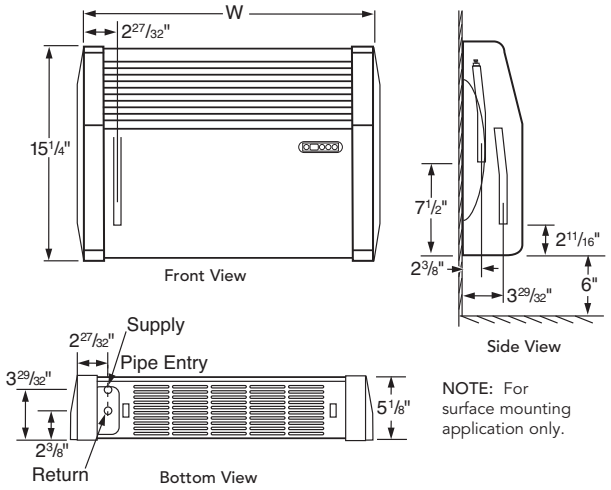
Model	Fan Speed	Air Flow (cfm)	Flowrate (gpm)	Heat Output (Btu/h) Entering Water Temperature (°F), Entering Air Temperature (65°F)									
				110	120	130	140	150	160	170	180	190	200
19-15	Boost	197	3	7997	9691	11372	13042	14702	16354	17999	19637	21269	22895
	Medium	162		7224	8753	10270	11777	13275	14766	16250	17728	19200	20667
	Normal	142		6374	7722	9060	10389	11710	13024	14333	15636	16933	18227
14-10	Boost	169	3	6137	7435	8723	10002	11274	12539	13798	15052	16301	17546
	Medium	118		5247	6356	7457	8550	9636	10717	11793	12864	13931	14994
	Normal	94		4316	5227	6132	7030	7922	8810	9694	10574	11450	12324
9-6	Boost	103	3	4081	4942	5797	6645	7489	8328	9163	9994	10822	11647
	Medium	76		3274	3964	4649	5329	6005	6678	7347	8013	8676	9337
	Normal	66		2525	3058	3586	4111	4633	5151	5668	6182	6694	7204
6-4	Boost	72	3	2668	3231	3790	4344	4895	5443	5988	6531	7072	7611
	Medium	51		1954	2366	2775	3181	3584	3985	4385	4782	5178	5572
	Normal	38		1724	2087	2447	2804	3159	3512	3863	4213	4561	4908

Note:
Performance figures for heating and cooling based on a flow rate of 3 GPM.

For a flow rate of 1 GPM multiply by 0.87.

Cooling performance tested in accordance with BS 4856 Part 2. Relative humidity 50%.

Model	Fan Speed	Air Flow (cfm)	Flowrate (GPM)	Cooling Performance (Btu/h) Air-Mean Water Temperature Difference (°F)					
				25°		35°		45°	
				Tot.	Sens.	Tot.	Sens.	Tot.	Sens.
19-15	Boost	197	3	5128	4366	8203	5929	11650	6425
	Medium	162		4896	4024	7832	5412	11124	6077
	Normal	142		4482	3693	7169	4816	10181	5407
14-10	Boost	169	3	4108	3519	6570	4823	9330	5315
	Medium	118		3451	2937	5522	3986	7843	4317
	Normal	94		2934	2523	4691	3469	6660	3851
9-6	Boost	103	3	2376	1943	3799	2757	5394	3564
	Medium	76		2007	1696	3208	2288	4555	2439
	Normal	66		1669	1414	2669	1916	3790	2059
6-4	Boost	72	3	1659	1328	2653	1884	3769	2435
	Medium	51		1308	1121	2093	1535	2973	1691
	Normal	38		1074	927	1718	1277	2440	1427



NOTE: For surface mounting application only.

DIMENSIONS

MODEL	W
HC 19-15	43-5/8"
HC 14-10	32-1/2"
HC 9-6	24-1/4"
HC 6-4	19-1/2"

Weight, Water Content and Motor Power

Model	Motor Power (W)	Water Content (pints)	Unpacked Weight (lbs)
19-15	80	1.6	34.6
14-10	62	1.2	28
9-6	35	0.7	20
6-4	35	0.6	17

Approximate Hydraulic Resistance

GPM	ft wg			
	6-4	9-6	14-10	19-15
3	6.7	6.4	9.4	13.1
1	0.6	0.8	1.0	1.4

Sound Levels in dBA at 8 feet

Model	Normal	Medium	Boost
19-15	27.2	31.8	38.6
14-10	23.1	28.5	40.1
9-6	21.6	29.6	38
6-4	23.7	31.7	40.7

Sound levels tested in accordance with EN 23741

dBA 0-20 "Very faint - ticking of a watch"
30-40 "Faint - quiet conversation"
45-60 "Moderate - normal office noise"