

**General**

Provide MYSON HI-LINE hydronic surface mount wall fan convector in size(s) as scheduled. MYSON HI-LINE hydronic surface mount wall fan convectors are ETL approved. HI-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 HI-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 HI-LINE fan convector is supplied with an infrared remote control. The HI-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 or 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**



**Warranty:**

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

PROJECT NAME:

ARCHITECT:

ENGINEER:

SUBMITTED DATE:

APPROVED DATE:

APPROVED

# HI-LINE SURFACE MOUNT FAN CONVECTOR

## Hi-Line Fan Convactor

### Heating Performance Data

Heat outputs tested in accordance with BS 4856 Part 1

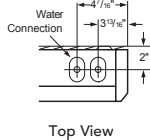
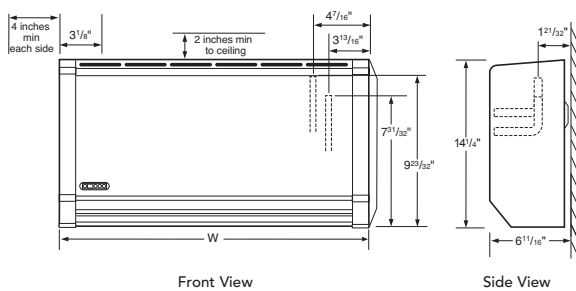
Model	Fan Setting	Flowrate (gpm)	Heat Output (Btu/h)									
			Entering Water Temperature (°F), Entering Air Temperature (65°F)									
			110	120	130	140	150	160	170	180	190	200
20-14	Boost	3	7870	9717	11582	13461	15354	17257	19171	21094	23026	24965
	Medium		7030	8685	10357	12043	13741	15449	17168	18895	20630	22373
	Normal		5922	7318	8728	10150	11583	13025	14475	15933	17398	18870
15-10	Boost	3	6019	7437	8870	10314	11770	13234	14708	16188	17676	19170
	Medium		4638	5732	6838	7953	9076	10206	11344	12487	13636	14789
	Normal		4128	5103	6088	7082	8083	9091	10105	11125	12150	13179
10-6	Boost	3	4226	5224	6233	7250	8275	9307	10345	11388	12437	13490
	Medium		3329	4116	4910	5712	6520	7334	8152	8975	9802	10633
	Normal		2761	3413	4072	4737	5407	6082	6761	7443	8129	8818
7-4	Boost	3	2912	3600	4295	4996	5703	6415	7131	7851	8574	9301
	Medium		2232	2760	3294	3833	4376	4922	5472	6025	6581	7140
	Normal		1620	2004	2392	2783	3178	3575	3975	4377	4781	5187

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



NOTE: Piping and wiring openings are accessible from either top or back.  
NOTE: For surface mounting application only.

DIMENSIONS	
MODEL	W
HC 20-14 RC	46-3/32"
HC 15-10 RC	34-15/16"
HC 10-6 RC	26-7/8"
HC 7-4 RC	21-13/16"

### Weight, Water Content and Motor Power

Model	Motor Power (W)	Water Content (pints)	Unpacked Weight (lbs)
20-14	80	1.6	32.4
15-10	62	1.2	24.9
10-6	35	0.7	19.6
7-4	35	0.6	16.3

### Approximate Hydraulic Resistance

GPM	ft wg			
	7-4	10-6	15-10	20-14
3	6.9	7.7	9.2	10.5
1	1.1	1.3	1.5	2.0

### Sound Levels in dBA at 8 feet

Model	Normal	Medium	Boost
20-14	33.3	38.7	45.4
15-10	28.8	35.4	45.6
10-6	23.5	30.8	37.2
7-4	23.4	32.5	43.3

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"