

**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 Convector

### Heating Performance Data

Heat outputs tested in accordance with BS 4856 Part 1

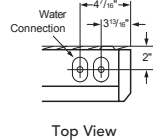
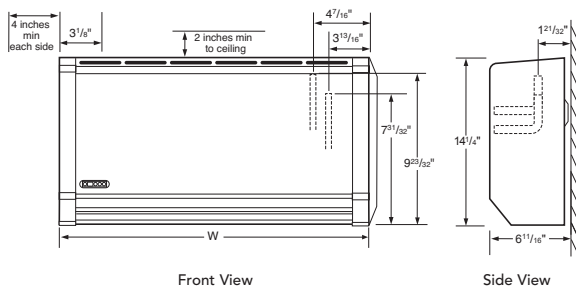
Model	Fan Speed	Air Flow (cfm)	Flowrate (gpm)	Heat Output (Btu/h)									
				Entering Water Temperature (°F), Entering Air Temperature (65°F)									
				110	120	130	140	150	160	170	180	190	200
20-14	Boost	254	3	7870	9717	11582	13461	15354	17257	19171	21094	23026	24965
	Medium	218		7030	8685	10357	12043	13741	15449	17168	18895	20630	22373
	Normal	168		5922	7318	8728	10150	11583	13025	14475	15933	17398	18870
15-10	Boost	196	3	6019	7437	8870	10314	11770	13234	14708	16188	17676	19170
	Medium	162		4638	5732	6838	7953	9076	10206	11344	12487	13636	14789
	Normal	122		4128	5103	6088	7082	8083	9091	10105	11125	12150	13179
10-6	Boost	129	3	4226	5224	6233	7250	8275	9307	10345	11388	12437	13490
	Medium	101		3329	4116	4910	5712	6520	7334	8152	8975	9802	10633
	Normal	84		2761	3413	4072	4737	5407	6082	6761	7443	8129	8818
7-4	Boost	78	3	2912	3600	4295	4996	5703	6415	7131	7851	8574	9301
	Medium	62		2232	2760	3294	3833	4376	4922	5472	6025	6581	7140
	Normal	48		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 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.
20-14	Boost	254	3	5320	4528	8750	6325	12689	6998
	Medium	218		5018	4123	8261	5707	11988	6550
	Normal	168		4172	3437	6867	4613	9964	5292
15-10	Boost	196	3	4241	3633	6978	5123	10124	5767
	Medium	162		3182	2707	5238	3781	7600	4183
	Normal	122		2943	2530	4842	3582	7023	4061
10-6	Boost	129	3	2592	2121	4266	3096	6189	4091
	Medium	101		2145	1813	3529	2517	5119	2741
	Normal	84		1920	1627	3158	2268	4579	2487
7-4	Boost	78	3	1906	1526	3137	2227	4550	1941
	Medium	62		1572	1347	2589	1898	3758	2138
	Normal	48		1057	912	1740	1294	2525	1477



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"