

Sentinel

FAN CONVECTOR SERIES



Steel Painted Finish Model VII-14

Wood Frame Model VII-14W

Models VII-14W & VII-14

- **2 styles to choose from:**
Attractive wood frame or steel painted finish
- **Sleek vertical design**
- **Delivers up to 14,000 BTUH**
- **Quiet efficient operation**
- **Individual zone control available**
- **Perfect for tight spaces like alcoves and between cupboards**
- **Features the E-Z Hanger mounting bracket**



ENVIRONMENTAL PRODUCTS





Sentinel

FAN CONVECTOR SERIES

MODELS VII-14W & VII-14

SUBMITTAL DATA INFORMATION

Application

The **Sentinel**  Fan Convector, another product in a long line of hydronic heating solutions. Built to the same exacting specifications as the **Quiet-One**  Kickspace Heaters and the **Profile**  Fan Convector series, the **Sentinel**  provides up to 14,000 BTUH in a wood framed cabinet design or in a sleek attractive painted cabinet design. The unique multi-pass coil combines with the bifurcated fan system to deliver quiet comfort. The integral thermostat and relay allows for individual zone control.

The Sentinel VII-14W & VII-14 provide a versatile design perfect for tight spaces like alcoves, between cupboards, and built-in shelving.

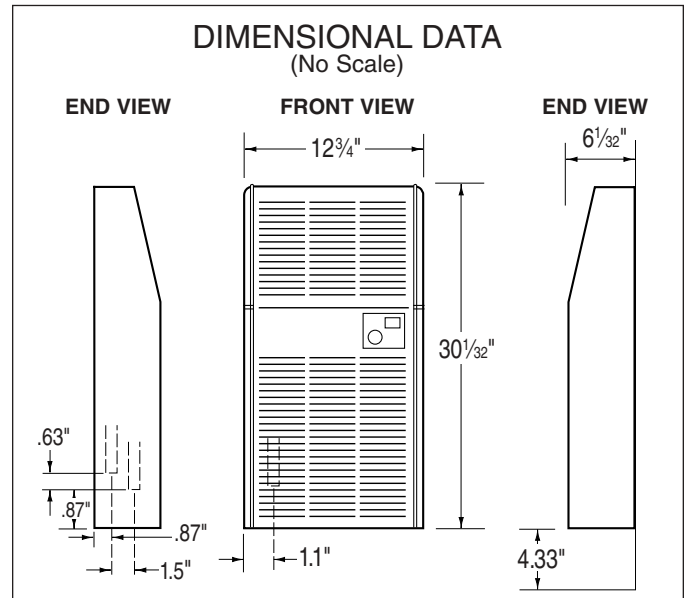
Engineering Specifications

Construction. The Sentinel fan convector is constructed of an internal "Heatpack" section mounted to a well designed back chassis. All components are then enclosed under a shroud (cover) which is made of an attractive wood veneer, or of high grade zinc-coated steel painted with a dove grey baked enamel finish.

"Heatpack" Section. A unique multi-pass coil design combines with a double fan and motor for the ultimate in heat transfer efficiency.

Heat Exchanger. Consisting of copper tubes expanded onto aluminum fins, the multi-pass coil is tested at 300 psi and sealed for quality. It is positioned in the unit for maximum heat transfer over the coil.

Fan and Motor Assembly. Distinctive dual fan system consists of high spec tangential SEL fan and motor assemblies with high static fan wheels and scrolls, detachable motors, and replaceable "easy glide" sleeve bearings. Protected to UL/CSA specifications, these fan and motor assemblies are designed to run whisper quiet without vibration.



Controls. The Sentinel combines a unit thermostat with an integral two speed fan switch. The thermostat's airstream sensing bulb is located within the unit. The LTC – low limit aquastat has a close tolerance and is designed to close on a rise to 130°F and open at 110°F. An optional low temperature aquastat (110°F-90°F) is also available and is easily changed from the original. 120/60/1 power supply is required.

Water Connections. Supply and return connections are 1/2" sweat connections located on the left side of the unit as you face the grille. A water vent with wide convenient screw-driver slot is accessible with the cover removed.

The Sentinel features the **E-Z HANGER** mounting bracket to reduce installation time and enhance serviceability.

Sentinel Series BTU/Hr Outputs

Capacity for the High Top Fan Convectors • BTU/HR @ 65°F Entering Air

Models VII-14W & VII-14	Fan Speed	Water Press. Drop @ 2gpm	ENTERING WATER TEMPERATURE • (Deg. F.) - BTU/Hrs.								
			130°	140°	150°	160°	170°	180°	190°	200°	210°
	max.	1.9	4320	5520	6625	7704	8880	10030	11185	12290	13440
	min.		3030	3870	4646	5400	6230	7040	7850	8620	9440

NOTES:

- Capacities based on 2gpm correction factors for: 1gpm = .85; 3gpm = 1.05; and 5gpm = 1.18.
- Aquastat set to close on a rise to 130°F and to open on a drop to 110°F. For outputs at 130°F and below optional field mounted 110°F-90°F aquastat is required.
- It is recommended that selections be made at low speed at the desired water temperature.

MODEL	UNIT WEIGHT	WT. PACKED	CUBIC FT./MINUTE	
			MAX.	MIN.
Sentinel	21 lbs.	24.5 lbs.	150	100



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