

## Model Series 42V • Performance Data Electrical Motor Characteristics

Unit Size	Voltage	No. of Fans	Motor HP & Qty.	3-Speed and Proportional ECM Motor FLA	
				FLA	Full Load Watts
2	120	1	1/4	0.7	50
	208			0.4	
	230			0.4	
	277			0.4	
3	120	2	1/4	0.8	50
	208			0.5	
	230			0.5	
	277			0.5	
4	120	2	1/4	1.1	80
	208			0.7	
	230			0.7	
	277			0.7	
6	120	3	2 @ 1/4	1.9	150
	208			1.3	
	230			1.2	
	277			1.2	

The FLA and watts are shown at the maximum setting for selected motor type and unit size. Refer to SelectWorks selection software for application specific data.

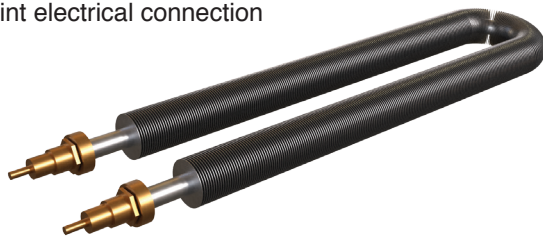
## Electric Heat Section

### HEATER

Electric heater is a finned tubed element that contains a high grade resistance wire contained within a metal tube. The tube is surrounded by a helically wound corrugated metal fin to increase heat transfer. The heater is factory mounted in the reheat position above the coil. The heater and units are listed and labeled by the ETL testing Laboratory as an integrated package.

### STANDARD FEATURES

- Automatic reset hi-limit cut-out(s)
- cETL Listed as an assembly.
- Integral electric heat assembly with removable elements for easy service
- Single point electrical connection



### Note:

1. Electric heat voltage must be the same as motor voltage.
2. A minimum airflow of 70 cfm per kW is required across the coil during heating.  
Available in the above kW's only.  $\Delta T = \frac{kW \times 3160}{CFM}$   
Do not size heaters with leaving air temperature greater than 105°F.

Unit Size	MBH	3.4	5.1	6.8	10.2
	kW	1	1.5	2	3
	Voltage	Amps			
2	120	8.70	—	—	—
	208	4.81	—	—	—
	230	4.35	—	—	—
	277	3.61	—	—	—
3	120	8.70	13.04	—	—
	208	4.81	7.21	—	—
	230	4.35	6.52	—	—
	277	3.61	5.42	—	—
4	120	8.70	13.04	17.39	26.09
	208	4.81	7.21	9.62	14.42
	230	4.35	6.52	8.70	13.04
	277	3.61	5.42	7.22	10.83
6	120	8.70	13.04	17.39	26.09
	208	4.81	7.21	9.62	14.42
	230	4.35	6.52	8.70	13.04
	277	3.61	5.42	7.22	10.83

3. Coils are wired to the control panel for a single point electrical connection.
4. The coils listed are restricted to a maximum of 48 amps (with motor) and do not require circuit fusing to meet NEC requirements.