

## Electric Heat

Titus offers electric heating coils for specific application with all Horizontal High Performance Fan Coil units. This allows the flexibility to provide an

unrivaled amount of electric heat options in one complete package.

### Standard Features

- » ETL-Listed as an assembly for safety compliance
- » Single point power connection
- » Mounted in preheat position
- » Automatic reset primary and backup secondary thermal limits
- » Internal wiring rated at 105°C
- » Integral electric heat assembly with removable element for easy service



### Useful Formulas

$$kW^* = \frac{CFM \times \Delta T \times 1.085^{**}}{3413}$$

$$1\phi \text{ AMPs} = \frac{kW \times 1000}{\text{Volts}}$$

\* 1kW = 3413 BTU/H

\*\* Capacity at sea level

Altitude Considerations:

Reduce by 0.034 for each 1000 ft. of altitude above sea level.

Example: 5000 ft./1000 ft. = 5

$$5 \times 0.034 = 0.17$$

$$1.085 - 0.17 = 0.915$$

### Optional Features

- » Silent solid state relays on heaters up to 18 amps
- » Door interlocking disconnect switch
- » Main fusing

### Electrical Calculations Information

1. Contact your local Titus sales office
2. Non-Fused Door Interlock Disconnect Switch shall be sized according to MCA
3. Fused Door Interlock Disconnect Switch and Main Fusing shall be sized according to MOP

### THH ELECTRIC HEAT SELECTION CHART (AMPS)

Unit Size	MBH	6.8	8.5	10.2	11.9	13.7	17.1	20.5	23.9	27.3	30.7	34.1	41.0	47.8
	KW	2.0	2.5	3.0	3.5	4.0	5.0	6.0	7.0	8.0	9.0	10.0	12.0	14.0
	Volts	AMPS												
06	115	17.4	21.7	26.1	30.4	34.8								
	208	9.6	12.0	14.4	16.8	19.2								
	230	8.7	10.9	13.0	15.2	17.4								
	277	7.2	9.0	10.8	12.6	14.4								
08	115	17.4	21.7	26.1	30.4	34.8	43.5							
	208	9.6	12.0	14.4	16.8	19.2	24.0	28.8						
	230	8.7	10.9	13.0	15.2	17.4	21.7	26.1						
	277	7.2	9.0	10.8	12.6	14.4	18.1	21.7						
10	115	17.4	21.7	26.1	30.4	34.8	43.5							
	208	9.6	12.0	14.4	16.8	19.2	24.0	28.8	33.7					
	230	8.7	10.9	13.0	15.2	17.4	21.7	26.1	30.4					
	277	7.2	9.0	10.8	12.6	14.4	18.1	21.7	25.3					
12	115					34.8	43.5							
	208					19.2	24.0	28.8	33.7	38.5	43.3			
	230					17.4	21.7	26.1	30.4	34.8	39.1			
	277					14.4	18.1	21.7	25.3	28.9	32.5			
14	115					34.8	43.5							
	208					19.2	24.0	28.8	33.7	38.5	43.3	48.1		
	230					17.4	21.7	26.1	30.4	34.8	39.1	43.5		
	277					14.4	18.1	21.7	25.3	28.9	32.5	36.1		
16	115					34.8	43.5							
	208					19.2	24.0	28.8	33.7	38.5	43.3	48.1	57.7	
	230					17.4	21.7	26.1	30.4	34.8	39.1	43.5	52.2	
	277					14.4	18.1	21.7	25.3	28.9	32.5	36.1	43.3	
18	115					34.8	43.5							
	208					19.2	24.0	28.8	33.7	38.5	43.3	48.1	57.7	
	230					17.4	21.7	26.1	30.4	34.8	39.1	43.5	52.2	
	277					14.4	18.1	21.7	25.3	28.9	32.5	36.1	43.3	
20	115					34.8	43.5							
	208					19.2	24.0	28.8	33.7	38.5	43.3	48.1	57.7	67.3
	230					17.4	21.7	26.1	30.4	34.8	39.1	43.5	52.2	60.9
	277					14.4	18.1	21.7	25.3	28.9	32.5	36.1	43.3	50.5

### Notes:

1. Shaded areas indicate kW and voltage options not available
2. Available voltages are single phase, 60 hertz
3. Heaters over 48 AMPs are subdivided and fused per NEC