

EZTE ELECTRIC HEAT SINGLE DUCT FEATURES:

- Primary over temperature protection provided by auto reset thermal cutout – disc type
- Secondary over temperature protection with manual reset (push button) thermal cutout – disc type
- De-rated Nickel Chrome heating elements
- Air proving switch (requires min Pt total pressure of .07" w.g. at the face of the electric coil)
- 24V Class 2 control transformer (inherently limiting)
- Magnetic / safety contactors as required (UL listed for minimum of 250,000 cycles)
- Line and control terminal blocks
- Up to 3 steps of heat
- ETL listed assembly

EZTE OPTIONAL FEATURES:

- Door-interlocking disconnect switch (non-fused)
- Main power fuses (fuses and fuse blocks)
- Mercury contactors
- Proportional SSR control (0-100%)
- Discharge temperature limiting control

Table 25: Electric Heating Coil Performance - Allowable KW

Inlet Size	# Steps	1 - Phase								3 - Phase ⁴				
		120 V KW Range		208 V KW Range		240 V KW Range		277 V KW Range		208 V KW Range		480 V KW Range		
		Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	
5"	1	0.5		0.5		0.5		0.5		0.5		1.5		3.8
	2	1.0	3.8	1.0	3.8	1.0	3.8	1.0	3.8	1.0	3.8	1.5	3.8	
	3	1.5		1.5		1.5		1.5		1.5		-		-
6"	1	0.5		0.5		0.5		0.5		0.5		1.5		5.8
	2	1.0	5.5	1.0	5.0	1.0	5.8	1.0	5.8	1.0	5.8	1.5	5.8	
	3	1.5		1.5		1.5		1.5		1.5		-		-
7"	1	0.5		0.5		0.5		0.5		0.5		1.0		7.0
	2	1.0	5.5	1.0	7.8	1.0	7.8	1.0	7.0	1.0	7.0	1.5	7.0	
	3	1.5		1.5		1.5		1.5		1.5		3.0		
8"	1	0.5		0.5		0.5		0.5		0.5		1.0		7.0
	2	1.0	5.5	1.0	9.5	1.0	10.0	1.0	9.5	1.0	9.5	1.5	7.0	
	3	1.5		1.5		1.5		1.5		1.5		3.0		
9"	1	0.5		0.5		0.5		0.5		0.5		1.0		7.0
	2	1.0	5.5	1.0	9.5	1.0	11.5	1.0	13.0	1.0	13.0	1.5	13.8	
	3	1.5		1.5		1.5		1.5		1.5		1.5		
10"	1	0.5		0.5		0.5		0.5		0.5		1.0		16.8
	2	1.0	5.5	1.0	9.5	1.0	11.5	1.0	13.0	1.0	13.0	1.5	16.8	
	3	1.5		1.5		1.5		1.5		1.5		1.5		
12"	1	0.5		0.5		0.5		0.5		0.5		1.0		22.0
	2	1.0	5.5	1.0	9.5	1.0	11.5	1.0	13.0	1.0	13.0	1.5	22.0	
	3	1.5		1.5		1.5		1.5		1.5		1.5		
14"	1	0.5		0.5		0.5		0.5		0.5		1.0		30.0
	2	1.0	5.5	1.0	9.5	1.0	11.5	1.0	13.0	1.0	13.0	1.5	30.0	
	3	1.5		1.5		1.5		1.5		1.5		1.5		
16"	1	0.5		0.5		0.5		0.5		0.5		1.0		35.0
	2	1.0	5.5	1.0	9.5	1.0	11.5	1.0	13.0	1.0	13.0	1.5	35.0	
	3	1.5		1.5		1.5		1.5		1.5		1.5		
24 x 16	1	0.5		0.5		0.5		0.5		0.5		1.0		35.0
	2	1.0	5.5	1.0	10.0	1.0	11.5	1.0	13.0	1.0	13.0	1.5	35.0	
	3	1.5		1.5		1.5		1.5		1.5		1.5		

Notes:

1. The Max Allowable KW shown is based on UL / NEC standards, in conjunction with laboratory tests of EZTE air terminal assemblies.
2. The minimum air flow requirement for terminals with electric coils is the greater of 70 cfm/KW or the minimum allowable flow rate that can be accurately controlled. This allows proper operation of the electric coil and results in increased coil life with a maximum air temperature rise of 45° F to prevent thermal stratification in the space. Refer to table 4, page B-10 to determine minimum and maximum flow rates for the control system selected.
3. Uniform flow through a coil results in optimum performance, and therefore, we recommend a minimum length of 48" of full size discharge duct after the air terminal.
4. 480V/3ph heaters may incorporate "wye" or other unbalanced configuration for multiple steps.

Single Duct Air Terminals

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