

**Rating Conditions**

20 °F Superheat  
 15 F Subcooling  
 95 °F Ambient Air Over

60 Hz Operation

**AIR  
 CONDITIONING**

**ZP104KCE-TF5**

HFC-410A  
 COPELAND SCROLL®  
 TF5 200/230-3-60

**Condensing Temperature °F**  
**(Sat. Dew Pt. Pressure, psig)**      **Evaporating Temperature °F (Sat. Dew Pt. Pressure, psig)**

	-20.0 (26)	-10.0 (36)	0.0 (48)	10.0 (62)	20.0 (78)	30.0 (97)	40.0 (118)	50.0 (143)	60.0 (170)	70.0 (201)	75.0 (218)	80.0 (236)
<b>150.0</b> (613)												
<b>C</b>								79,500	98,000	119,000	143,500	
<b>P</b>								11,900	11,900	11,900	11,950	
<b>A</b>								32.8	32.8	32.9	32.9	
<b>M</b>								1,387	1,685	2,023	2,408	
<b>E</b>								6.7	8.3	10.0	12.0	
<b>%</b>								67.6	72.4	75.8	77.4	
<b>140.0</b> (541)												
<b>C</b>						71,000	88,100	107,500	130,000	156,000	170,000	185,000
<b>P</b>						10,550	10,550	10,550	10,600	10,650	10,700	10,750
<b>A</b>						29.7	29.8	29.8	29.9	30.1	30.2	30.3
<b>M</b>						1,150	1,406	1,696	2,027	2,402	2,609	2,829
<b>E</b>						6.8	8.4	10.2	12.3	14.6	15.9	17.2
<b>%</b>						66.1	71.1	74.8	76.7	76.6	75.6	74.1
<b>130.0</b> (477)												
<b>C</b>					62,400	78,100	96,200	117,000	140,500	168,000	182,500	198,500
<b>P</b>					9,330	9,340	9,360	9,400	9,460	9,550	9,620	9,700
<b>A</b>					27.1	27.1	27.2	27.3	27.4	27.6	27.8	27.9
<b>M</b>					950	1,173	1,424	1,711	2,036	2,406	2,610	2,827
<b>E</b>					6.7	8.4	10.3	12.5	14.9	17.6	19.0	20.5
<b>%</b>					64.5	70.0	74.0	76.3	76.5	74.3	72.1	69.3
<b>120.0</b> (418)												
<b>C</b>				53,800	68,300	84,800	104,000	125,500	151,000	179,500	195,000	212,000
<b>P</b>				8,230	8,260	8,280	8,320	8,380	8,470	8,600	8,680	8,780
<b>A</b>				24.8	24.8	24.9	25.0	25.1	25.3	25.6	25.8	26.0
<b>M</b>				778	972	1,191	1,440	1,724	2,046	2,413	2,615	2,830
<b>E</b>				6.6	8.3	10.3	12.5	15.0	17.8	20.9	22.5	24.1
<b>%</b>				62.5	68.5	73.0	75.8	76.4	74.5	69.8	66.3	62.1
<b>110.0</b> (365)												
<b>C</b>			45,500	58,700	73,700	91,100	111,000	134,000	160,500	190,500	207,000	
<b>P</b>			7,250	7,290	7,320	7,360	7,410	7,500	7,620	7,790	7,890	
<b>A</b>			22.8	22.9	22.9	23.0	23.1	23.3	23.6	23.9	24.1	
<b>M</b>			628	797	988	1,205	1,453	1,735	2,056	2,421	2,621	
<b>E</b>			6.3	8.1	10.1	12.4	15.0	17.9	21.1	24.5	26.3	
<b>%</b>			59.8	66.5	71.6	74.8	75.9	74.5	70.2	62.7	57.7	
<b>100.0</b> (318)												
<b>C</b>		37,600	49,500	63,100	78,800	97,000	118,000	142,000	170,000			
<b>P</b>		6,380	6,420	6,460	6,510	6,560	6,640	6,750	6,900			
<b>A</b>		21.1	21.2	21.3	21.4	21.5	21.6	21.9	22.2			
<b>M</b>		498	645	811	1,000	1,216	1,462	1,744	2,064			
<b>E</b>		5.9	7.7	9.8	12.1	14.8	17.8	21.1	24.6			
<b>%</b>		56.3	63.7	69.5	73.3	75.0	74.1	70.3	63.1			
<b>80.0</b> (236)												
<b>C</b>	33,000	43,800	56,300	71,000	88,000	108,000	130,500	157,000				
<b>P</b>	4,970	5,020	5,070	5,120	5,190	5,280	5,400	5,560				
<b>A</b>	18.7	18.8	18.9	18.9	19.1	19.2	19.4	19.8				
<b>M</b>	401	524	665	827	1,014	1,228	1,474	1,756				
<b>E</b>	6.7	8.7	11.1	13.9	17.0	20.5	24.3	28.3				
<b>%</b>	55.9	63.0	68.2	71.2	71.7	69.0	62.9	52.9				
<b>70.0</b> (201)												
<b>C</b>	35,500	46,500	59,300	74,500	92,200	113,000	136,500					
<b>P</b>	4,420	4,470	4,520	4,580	4,660	4,760	4,910					
<b>A</b>	17.9	17.9	18.0	18.1	18.2	18.4	18.7					
<b>M</b>	412	532	670	831	1,016	1,231	1,477					
<b>E</b>	8.1	10.4	13.2	16.3	19.8	23.7	27.9					
<b>%</b>	58.8	64.7	68.4	69.5	67.6	62.1	52.7					
<b>50.0</b> (143)												
<b>C</b>	39,800	51,100	64,600	80,800	99,800							
<b>P</b>	3,470	3,520	3,580	3,660	3,760							
<b>A</b>	16.7	16.7	16.7	16.8	17.0							
<b>M</b>	425	539	674	832	1,017							
<b>E</b>	11.5	14.5	18.1	22.1	26.5							
<b>%</b>	61.4	63.9	63.4	59.5	51.5							

**C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), %: Isentropic Efficiency (%)**

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 230 V