

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

ZP83KCE-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)
150.0 (613) C P A M E %							63,000 9,850 27.5 1,097 6.4 64.9	77,000 9,800 27.4 1,320 7.8 68.9	93,000 9,800 27.5 1,580 9.5 72.0	112,000 9,850 27.6 1,882 11.4 73.6		
140.0 (541) C P A M E %						57,000 8,700 24.5 919 6.5 64.1	69,500 8,650 24.5 1,106 8.0 68.2	84,000 8,650 24.5 1,325 9.7 71.2	101,000 8,700 24.6 1,579 11.7 72.9	122,000 8,750 24.8 1,873 13.9 72.7	133,000 8,800 25.0 2,037 15.1 71.9	145,000 8,850 25.1 2,212 16.3 70.4
130.0 (477) C P A M E %					50,500 7,650 21.9 771 6.6 63.7	62,000 7,650 21.9 932 8.1 67.9	75,500 7,650 21.9 1,118 9.9 71.0	91,000 7,700 22.0 1,334 11.9 72.7	109,000 7,750 22.2 1,584 14.1 72.7	130,000 7,850 22.5 1,871 16.7 70.4	142,000 7,900 22.6 2,030 18.0 68.3	155,000 8,000 22.8 2,201 19.4 65.6
120.0 (418) C P A M E %				44,700 6,750 19.7 645 6.6 63.2	55,000 6,750 19.7 784 8.2 67.5	67,000 6,750 19.7 944 9.9 70.8	81,500 6,800 19.8 1,129 12.0 72.7	98,000 6,850 19.9 1,343 14.3 72.8	117,000 6,950 20.1 1,588 16.9 70.7	139,000 7,050 20.5 1,870 19.7 66.0	151,000 7,150 20.7 2,026 21.2 62.6	164,000 7,250 20.9 2,192 22.7 58.5
110.0 (365) C P A M E %			38,800 5,950 17.7 536 6.5 62.3	48,400 5,950 17.8 657 8.1 67.0	59,500 6,000 17.8 796 9.9 70.6	72,000 6,000 17.9 955 12.0 72.6	87,000 6,050 18.0 1,138 14.4 72.9	104,000 6,100 18.2 1,349 17.0 71.0	124,000 6,250 18.4 1,591 19.9 66.4	147,000 6,400 18.8 1,868 23.0 59.0	160,000 6,500 19.0 2,020 24.6 54.1	
100.0 (318) C P A M E %		33,200 5,200 16.0 439 6.4 60.9	41,900 5,250 16.1 547 8.0 66.2	52,000 5,300 16.2 668 9.8 70.1	63,500 5,300 16.3 806 12.0 72.4	77,000 5,350 16.3 963 14.4 72.9	92,500 5,400 16.5 1,145 17.1 71.2	110,000 5,500 16.7 1,353 20.0 66.9	131,000 5,650 17.0 1,591 23.2 59.6			
80.0 (236) C P A M E %	30,200 4,020 13.4 366 7.5 63.1	38,500 4,080 13.6 461 9.4 68.3	47,900 4,120 13.7 565 11.6 71.4	58,500 4,150 13.7 683 14.1 72.6	71,000 4,200 13.8 818 16.9 71.4	85,500 4,260 14.0 972 20.0 67.6	102,000 4,350 14.1 1,148 23.4 60.8	121,000 4,470 14.4 1,350 27.0 50.6				
70.0 (201) C P A M E %	32,500 3,550 12.5 377 9.2 67.1	41,000 3,600 12.6 469 11.4 70.9	50,500 3,640 12.7 572 13.9 72.5	61,500 3,670 12.8 687 16.8 71.7	74,500 3,720 12.9 820 20.0 68.2	89,000 3,790 13.0 971 23.5 61.6	106,000 3,890 13.2 1,144 27.2 51.5					
50.0 (143) C P A M E %	37,100 2,690 10.9 396 13.8 74.1	45,700 2,720 11.0 482 16.8 74.0	55,500 2,740 11.0 578 20.2 71.1	67,000 2,780 11.0 688 24.1 64.9	80,000 2,820 11.1 814 28.3 54.9							

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