

Rating Conditions

65 °F Return Gas
 Actual Subcooling
 95 °F Ambient Air Over

60 Hz Operation

LOW TEMPERATURE

HFCs Require Use of Polyol Ester
 Lubricant Approved on Form 93-11

ZFD18KVE-TF5

HFC-404A
 COPELAND SCROLL®
 TF5 200/230-3-60

WITH ECONOMIZER

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

	-40.0 (4)	-35.0 (7)	-30.0 (10)	-25.0 (13)	-20.0 (16)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)
140.0 (402) C P A M E L									40,400 8,600 23.9 594 4.7 70.4
130.0 (354) C P A M E L				26,600 6,550 18.6 333 4.1 39.2	29,400 6,750 19.1 377 4.3 44.2	32,400 7,000 19.7 426 4.6 49.0	35,700 7,200 20.2 480 5.0 53.6	39,100 7,400 20.7 539 5.3 58.0	42,800 7,600 21.2 603 5.6 62.2
120.0 (310) C P A M E L			25,000 5,600 16.2 298 4.5 28.2	27,800 5,800 16.7 340 4.8 33.2	30,800 6,000 17.2 385 5.1 38.0	33,900 6,200 17.7 434 5.5 42.7	37,300 6,400 18.2 488 5.8 47.3	40,900 6,600 18.7 547 6.2 51.7	44,800 6,800 19.1 613 6.6 55.9
110.0 (270) C P A M E L	20,400 4,620 14.0 231 4.4 14.1	23,100 4,820 14.5 266 4.8 19.0	25,900 5,000 14.9 304 5.2 23.8	28,800 5,200 15.4 346 5.5 28.5	31,900 5,400 15.8 391 5.9 33.2	35,200 5,600 16.2 441 6.3 37.8	38,700 5,750 16.7 495 6.7 42.2	42,500 5,900 17.1 555 7.2 46.6	46,500 6,100 17.5 621 7.6 50.8
105.0 (252) C P A M E L	20,700 4,400 13.5 233 4.7 12.5	23,500 4,590 14.0 269 5.1 17.2	26,300 4,770 14.4 307 5.5 21.9	29,300 4,950 14.8 349 5.9 26.6	32,400 5,150 15.2 394 6.3 31.2	35,800 5,300 15.6 444 6.8 35.7	39,400 5,450 16.0 498 7.2 40.1	43,200 5,650 16.4 558 7.7 44.3	47,200 5,800 16.8 625 8.2 48.5
100.0 (235) C P A M E L	21,000 4,190 13.1 235 5.0 11.1	23,800 4,370 13.5 271 5.4 15.7	26,700 4,540 13.9 309 5.9 20.3	29,700 4,710 14.3 351 6.3 24.8	32,900 4,880 14.7 397 6.7 29.3	36,300 5,050 15.1 446 7.2 33.7	39,900 5,200 15.4 501 7.7 38.0	43,800 5,350 15.8 562 8.2 42.2	48,000 5,500 16.2 628 8.7 46.4
80.0 (173) C P A M E L	22,000 3,490 11.8 241 6.3 5.8	24,800 3,610 12.0 277 6.9 9.7	27,900 3,740 12.3 315 7.5 13.6	31,100 3,860 12.5 357 8.0 17.6	34,400 3,990 12.8 403 8.6 21.6	38,100 4,110 13.1 453 9.3 25.6	41,900 4,240 13.4 509 9.9 29.6	46,100 4,380 13.7 570 10.5 33.6	50,500 4,510 14.0 637 11.2 37.5
70.0 (147) C P A M E L	22,200 3,130 11.0 241 7.1 2.3	25,200 3,230 11.2 277 7.8 5.8	28,300 3,330 11.4 315 8.5 9.4	31,600 3,430 11.6 357 9.2 13.1	35,100 3,540 11.8 403 9.9 16.8	38,800 3,650 12.0 453 10.6 20.5	42,800 3,770 12.3 509 11.4 24.3	47,200 3,890 12.5 570 12.1 28.1	52,000 4,010 12.8 637 12.9 31.9
40.0 (85) C P A M E L	22,100 1,580 6.8 224 14.0 -18.0	25,300 1,600 6.7 259 15.8 -15.8	28,800 1,630 6.7 297 17.6 -13.4	32,500 1,680 6.7 339 19.4 -10.9	36,500 1,730 6.8 385 21.1 -8.2	40,800 1,800 6.9 435 22.7 -5.3	45,500 1,880 7.0 491 24.2 -2.3	50,500 1,970 7.2 552 25.7 0.8	56,000 2,070 7.4 620 27.0 4.0

C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), L: Liquid Temp. (°F)

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