

Rating Conditions

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

60 Hz Operation

Blue Area Restrictions:

YAD86K1E-TFD

HFO-454B

COPELAND SCROLL®

TFD 460-3-60

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

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

	-20.0 (23)	-10.0 (32)	0.0 (43)	15.0 (63)	30.0 (87)	45.0 (118)	50.0 (129)	65.0 (168)	80.0 (215)
150.0 (565) C P A M E %						73 100 9 980 14.9 990 7.3 65.5	80 400 10 050 14.9 1 084 8.0 66.6		
140.0 (499) C P A M E %				41 900 8 180 13.2 550 5.2 58.6	58 600 8 630 13.3 753 6.8 63.8	79 300 8 920 13.4 1 002 8.9 67.6	87 100 9 000 13.4 1 094 9.7 68.3	113 000 9 180 13.4 1 401 12.3 68.1	143 000 9 380 13.3 1 751 15.3 63.6
120.0 (384) C P A M E %			34 300 6 270 10.8 406 5.5 57.9	48 800 6 700 10.9 567 7.3 63.1	67 700 6 970 11.0 773 9.7 67.7	90 900 7 140 11.1 1 022 12.8 69.4	99 600 7 190 11.1 1 115 13.9 69.0	128 500 7 360 11.1 1 419 17.5 64.4	161 500 7 610 10.9 1 765 21.2 53.7
100.0 (291) C P A M E %		30 300 4 950 9.1 329 6.2 57.5	38 700 5 200 9.2 414 7.5 60.5	55 100 5 450 9.3 580 10.1 65.6	76 200 5 600 9.4 789 13.6 68.2	102 000 5 750 9.4 1 040 17.8 65.7	111 500 5 800 9.4 1 133 19.2 63.5	143 000 6 030 9.3 1 437 23.7 51.7	
90.0 (251) C P A M E %	25 300 4 240 8.5 266 6.0 56.6	32 000 4 510 8.5 332 7.1 58.4	40 900 4 700 8.6 419 8.7 61.6	58 300 4 880 8.6 587 12.0 66.0	80 500 5 020 8.7 798 16.1 66.6	107 500 5 170 8.7 1 050 20.8 60.9	117 500 5 240 8.7 1 142 22.4 57.3		
80.0 (215) C P A M E %	26 600 3 860 8.0 268 6.9 57.4	33 800 4 060 8.0 336 8.3 59.5	43 200 4 210 8.0 424 10.3 62.6	61 500 4 350 8.1 595 14.2 65.6	84 700 4 490 8.1 807 18.9 63.5	112 500 4 670 8.1 1 059 24.2 53.5	123 000 4 760 8.1 1 152 25.9 48.2		
70.0 (183) C P A M E %	28 100 3 450 7.5 271 8.2 59.1	35 700 3 610 7.5 341 9.9 61.1	45 700 3 720 7.6 432 12.3 63.6	64 900 3 850 7.6 604 16.9 64.4	89 100 4 000 7.6 817 22.3 58.4	118 500 4 240 7.6 1 071 27.9 43.1			
60.0 (155) C P A M E %	29 800 3 020 7.1 278 9.9 62.0	37 900 3 140 7.1 349 12.1 63.5	48 400 3 230 7.1 441 15.0 64.7	68 500 3 360 7.1 614 20.4 62.1	93 700 3 540 7.1 829 26.5 50.6				
50.0 (129) C P A M E %	31 900 2 550 6.7 286 12.5 67.0	40 500 2 650 6.7 359 15.3 67.2	51 500 2 730 6.6 452 18.9 66.2	72 400 2 880 6.6 627 25.2 58.2					

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 @ 460 V