

Rating Conditions

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

60 Hz Operation

LOW TEMPERATURE

Use only with Demand Cooling®
 Refer to AE 4-1287

4DT3F76KE-TSK

COPELAMETIC® HCFC-22
 DISCUS® COMPRESSOR
 TSK 208/230/460-3-60

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

| | | -40.0 (1) | -35.0 (3) | -30.0 (5) | -25.0 (7) | -20.0 (10) | -15.0 (13) | -10.0 (17) | -5.0 (20) | 0.0 (24) |
|----------------|---|-----------|-----------|-----------|-----------|------------|------------|------------|-----------|----------|
| 130.0 (297) | C | 22,500 | 30,700 | 38,700 | 46,900 | 55,500 | 65,500 | 76,000 | 88,500 | 103,000 |
| | P | 9,600 | 11,100 | 12,400 | 13,700 | 14,800 | 15,900 | 17,000 | 18,200 | 19,400 |
| | A | 17.6 | 19.2 | 20.6 | 22.0 | 23.4 | 24.7 | 26.1 | 27.5 | 29.1 |
| | M | 337 | 460 | 580 | 705 | 840 | 985 | 1,150 | 1,350 | 1,570 |
| | E | 2.3 | 2.8 | 3.1 | 3.4 | 3.8 | 4.1 | 4.5 | 4.9 | 5.3 |
| | % | 44.8 | 50.1 | 53.4 | 55.8 | 57.9 | 59.7 | 61.4 | 63.1 | 64.7 |
| 120.0 (260) | C | 29,000 | 37,400 | 45,700 | 54,500 | 63,500 | 73,500 | 85,000 | 98,000 | 113,000 |
| | P | 9,950 | 11,200 | 12,400 | 13,500 | 14,400 | 15,400 | 16,400 | 17,400 | 18,500 |
| | A | 17.9 | 19.3 | 20.6 | 21.8 | 22.9 | 24.1 | 25.3 | 26.6 | 28.0 |
| | M | 414 | 535 | 655 | 775 | 910 | 1,060 | 1,220 | 1,420 | 1,640 |
| | E | 2.9 | 3.3 | 3.7 | 4.0 | 4.4 | 4.8 | 5.2 | 5.6 | 6.1 |
| | % | 50.6 | 54.5 | 57.1 | 59.0 | 60.6 | 62.2 | 63.6 | 64.9 | 66.1 |
| 110.0 (226) | C | 33,800 | 42,400 | 51,000 | 60,000 | 69,500 | 80,000 | 92,000 | 106,000 | 122,000 |
| | P | 9,900 | 11,100 | 12,100 | 13,000 | 13,800 | 14,600 | 15,500 | 16,400 | 17,400 |
| | A | 17.9 | 19.1 | 20.2 | 21.2 | 22.2 | 23.2 | 24.3 | 25.4 | 26.6 |
| | M | 461 | 580 | 695 | 820 | 955 | 1,100 | 1,270 | 1,460 | 1,680 |
| | E | 3.4 | 3.8 | 4.2 | 4.6 | 5.0 | 5.5 | 6.0 | 6.5 | 7.0 |
| | % | 53.6 | 56.8 | 59.1 | 60.8 | 62.3 | 63.7 | 65.0 | 66.1 | 66.8 |
| 105.0 (211) | C | 35,900 | 44,600 | 53,500 | 62,500 | 72,500 | 83,500 | 95,500 | 110,000 | 126,000 |
| | P | 9,800 | 10,900 | 11,800 | 12,600 | 13,400 | 14,200 | 15,000 | 15,900 | 16,900 |
| | A | 17.8 | 18.9 | 19.9 | 20.9 | 21.8 | 22.7 | 23.7 | 24.8 | 26.0 |
| | M | 479 | 595 | 715 | 835 | 970 | 1,120 | 1,290 | 1,480 | 1,700 |
| | E | 3.7 | 4.1 | 4.5 | 4.9 | 5.4 | 5.9 | 6.4 | 6.9 | 7.5 |
| | % | 54.7 | 57.7 | 59.9 | 61.6 | 63.0 | 64.4 | 65.5 | 66.5 | 67.0 |
| 100.0 (196) | C | 38,000 | 46,800 | 55,500 | 65,000 | 75,000 | 86,500 | 99,000 | 113,000 | 130,000 |
| | P | 9,650 | 10,700 | 11,500 | 12,300 | 13,000 | 13,800 | 14,500 | 15,400 | 16,300 |
| | A | 17.7 | 18.7 | 19.7 | 20.5 | 21.4 | 22.3 | 23.2 | 24.2 | 25.3 |
| | M | 496 | 610 | 730 | 855 | 985 | 1,140 | 1,300 | 1,500 | 1,720 |
| | E | 3.9 | 4.4 | 4.8 | 5.3 | 5.8 | 6.3 | 6.8 | 7.4 | 8.0 |
| | % | 55.7 | 58.6 | 60.7 | 62.3 | 63.7 | 65.0 | 66.0 | 66.8 | 67.1 |
| 90.0 (168) | C | 42,500 | 51,500 | 61,000 | 70,500 | 81,000 | 93,000 | 106,000 | 121,000 | 139,000 |
| | P | 9,350 | 10,200 | 11,000 | 11,700 | 12,300 | 12,900 | 13,600 | 14,400 | 15,300 |
| | A | 17.4 | 18.3 | 19.1 | 19.8 | 20.6 | 21.3 | 22.1 | 23.0 | 24.0 |
| | M | 535 | 650 | 765 | 890 | 1,020 | 1,170 | 1,340 | 1,540 | 1,760 |
| | E | 4.5 | 5.0 | 5.5 | 6.1 | 6.6 | 7.2 | 7.8 | 8.4 | 9.1 |
| | % | 58.1 | 60.6 | 62.4 | 63.8 | 65.1 | 66.1 | 66.8 | 67.1 | 66.9 |
| 80.0 (144) | C | 48,500 | 58,000 | 67,500 | 77,500 | 89,000 | 101,000 | 115,000 | 131,000 | 149,000 |
| | P | 9,150 | 9,900 | 10,600 | 11,100 | 11,700 | 12,300 | 12,900 | 13,600 | 14,400 |
| | A | 17.1 | 17.9 | 18.6 | 19.3 | 19.9 | 20.5 | 21.2 | 22.0 | 22.9 |
| | M | 585 | 700 | 820 | 945 | 1,080 | 1,230 | 1,400 | 1,600 | 1,820 |
| | E | 5.3 | 5.9 | 6.4 | 7.0 | 7.6 | 8.2 | 8.9 | 9.6 | 10.3 |
| | % | 61.1 | 63.0 | 64.3 | 65.4 | 66.2 | 66.7 | 66.9 | 66.7 | 65.7 |
| 70.0 (121) | C | 57,000 | 67,000 | 77,000 | 87,500 | 99,000 | 112,000 | 127,000 | 143,000 | 162,000 |
| | P | 9,100 | 9,800 | 10,400 | 10,900 | 11,400 | 11,900 | 12,500 | 13,200 | 14,000 |
| | A | 17.1 | 17.8 | 18.4 | 18.9 | 19.5 | 20.0 | 20.6 | 21.4 | 22.2 |
| | M | 665 | 780 | 900 | 1,020 | 1,160 | 1,310 | 1,490 | 1,690 | 1,910 |
| | E | 6.3 | 6.8 | 7.4 | 8.0 | 8.7 | 9.4 | 10.1 | 10.9 | 11.6 |
| | % | 64.4 | 65.3 | 65.9 | 66.3 | 66.5 | 66.4 | 65.9 | 64.7 | 63.0 |

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