

Rating Conditions

40 °F Return Gas
 0 F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

LOW TEMPERATURE

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

RFT22C1E-IAA

COPELAWELD® HFC-404A
 COMPRESSOR
 IAA 115-1-60

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

| | -30.0 (10) | -25.0 (13) | -20.0 (16) | -15.0 (20) | -10.0 (24) | -5.0 (28) | 0.0 (33) | 5.0 (38) | 10.0 (43) |
|--|------------|------------|------------|------------|------------|-----------|----------|----------|-----------|
| 140.0 (402) C P A M E % | | | | 1,145 | 1,340 | 1,560 | 1,810 | 2,080 | 2,380 |
| | | | | 596 | 653 | 713 | 776 | 842 | 911 |
| | | | | 7.9 | 8.2 | 8.6 | 9.1 | 9.6 | 10.1 |
| | | | | 32.7 | 38.5 | 45.2 | 52.8 | 61.4 | 70.9 |
| | | | | 1.9 | 2.1 | 2.2 | 2.4 | 2.5 | 2.6 |
| | | | 41.0 | 41.5 | 41.9 | 42.2 | 42.4 | 42.3 | |
| 130.0 (354) C P A M E % | | | 1,190 | 1,410 | 1,655 | 1,930 | 2,230 | 2,560 | 2,910 |
| | | | 538 | 590 | 643 | 699 | 757 | 817 | 878 |
| | | | 7.5 | 7.8 | 8.1 | 8.5 | 8.9 | 9.4 | 9.8 |
| | | | 29.6 | 35.4 | 41.8 | 49 | 57.1 | 66 | 75.5 |
| | | | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.3 |
| | | 41.5 | 42.5 | 43.3 | 43.9 | 44.2 | 44.2 | 44.0 | |
| 120.0 (310) C P A M E % | 958 | 1,175 | 1,420 | 1,685 | 1,985 | 2,300 | 2,650 | 3,020 | 3,420 |
| | 441 | 487 | 535 | 585 | 635 | 686 | 739 | 792 | 847 |
| | 7.0 | 7.2 | 7.5 | 7.8 | 8.1 | 8.4 | 8.8 | 9.2 | 9.6 |
| | 21.3 | 26.3 | 31.8 | 38.1 | 45 | 52.5 | 60.9 | 69.9 | 80 |
| | 2.2 | 2.4 | 2.7 | 2.9 | 3.1 | 3.4 | 3.6 | 3.8 | 4.1 |
| 39.0 | 40.9 | 42.5 | 43.7 | 44.6 | 45.1 | 45.3 | 45.3 | 44.9 | |
| 110.0 (270) C P A M E % | 1,125 | 1,385 | 1,670 | 1,980 | 2,320 | 2,680 | 3,070 | 3,480 | 3,920 |
| | 441 | 487 | 534 | 580 | 627 | 674 | 721 | 768 | 815 |
| | 7.0 | 7.2 | 7.5 | 7.7 | 8.0 | 8.3 | 8.6 | 8.9 | 9.3 |
| | 22.9 | 28.3 | 34.2 | 40.8 | 47.9 | 55.7 | 64.2 | 73.3 | 83 |
| | 2.6 | 2.9 | 3.2 | 3.4 | 3.7 | 4.0 | 4.3 | 4.6 | 4.8 |
| 39.6 | 41.7 | 43.2 | 44.4 | 45.2 | 45.6 | 45.7 | 45.5 | 45.0 | |
| 100.0 (235) C P A M E % | 1,325 | 1,620 | 1,940 | 2,290 | 2,660 | 3,050 | 3,470 | 3,920 | 4,390 |
| | 442 | 488 | 533 | 577 | 620 | 662 | 704 | 745 | 785 |
| | 7.0 | 7.2 | 7.4 | 7.7 | 7.9 | 8.2 | 8.5 | 8.7 | 9.0 |
| | 24.9 | 30.6 | 36.8 | 43.5 | 50.8 | 58.7 | 67.1 | 76 | 86 |
| | 3.0 | 3.3 | 3.7 | 4.0 | 4.3 | 4.6 | 5.0 | 5.3 | 5.6 |
| 40.6 | 42.4 | 43.7 | 44.6 | 45.1 | 45.4 | 45.3 | 45.0 | 44.3 | |
| 90.0 (202) C P A M E % | 1,560 | 1,885 | 2,230 | 2,610 | 3,010 | 3,430 | 3,880 | 4,350 | 4,850 |
| | 444 | 489 | 532 | 574 | 613 | 651 | 688 | 722 | 754 |
| | 7.0 | 7.2 | 7.4 | 7.6 | 7.9 | 8.1 | 8.3 | 8.5 | 8.8 |
| | 27.3 | 33.1 | 39.4 | 46.2 | 53.5 | 61.4 | 69.7 | 78.5 | 88.5 |
| | 3.5 | 3.9 | 4.2 | 4.6 | 4.9 | 5.3 | 5.7 | 6.1 | 6.5 |
| 41.6 | 42.8 | 43.7 | 44.2 | 44.4 | 44.4 | 44.1 | 43.6 | 42.9 | |
| 80.0 (173) C P A M E % | 1,825 | 2,170 | 2,540 | 2,940 | 3,360 | 3,810 | 4,280 | 4,780 | 5,300 |
| | 446 | 491 | 532 | 571 | 607 | 641 | 671 | 699 | 725 |
| | 7.0 | 7.2 | 7.4 | 7.6 | 7.8 | 8.0 | 8.2 | 8.3 | 8.5 |
| | 30 | 35.9 | 42.1 | 48.9 | 56.1 | 63.9 | 72.1 | 81 | 90 |
| | 4.1 | 4.5 | 4.8 | 5.2 | 5.6 | 6.0 | 6.4 | 6.9 | 7.3 |
| 42.4 | 42.9 | 43.2 | 43.2 | 43.1 | 42.8 | 42.3 | 41.6 | 40.7 | |
| 70.0 (147) C P A M E % | 2,120 | 2,490 | 2,880 | 3,290 | 3,730 | 4,190 | 4,680 | 5,190 | 5,720 |
| | 449 | 493 | 533 | 569 | 602 | 630 | 656 | 677 | 695 |
| | 7.0 | 7.2 | 7.4 | 7.6 | 7.7 | 7.9 | 8.0 | 8.1 | 8.2 |
| | 33 | 38.8 | 45 | 51.6 | 58.7 | 66.2 | 74.2 | 82.5 | 92 |
| | 4.8 | 5.1 | 5.4 | 5.8 | 6.2 | 6.7 | 7.2 | 7.7 | 8.3 |
| 42.8 | 42.4 | 42.1 | 41.7 | 41.1 | 40.5 | 39.7 | 38.8 | 37.7 | |

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 @ 115 V