

### Rating Conditions

11.1 K Superheat  
8.3 K Subcooling  
35 °C Ambient Air Over

50 Hz Operation

### AIR CONDITIONING

### VR108KSE-TFP

HFC-407C - Dew Pt.  
COPELAND SCROLL®  
TFP 380-3-50

Condensing Temperature °C  
(Sat. Dew Pt. Pressure, bar)

Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

	-20.0(2.1)	-15.0(2.6)	-10.0(3.2)	-5.0(3.9)	0.0(4.6)	5.0(5.5)	7.0(5.8)	10.0(6.4)	12.0(6.9)
65.0 (28.4) C P A M E %						20,000 9,600 16.7 143 2.1 63.9	21,600 9,600 16.7 154 2.3 65.8	24,300 9,600 16.7 171 2.5 68.3	26,200 9,600 16.8 183 2.7 69.7
60.0 (25.3) C P A M E %					17,800 8,550 15.1 121 2.1 63.2	21,700 8,500 15.2 146 2.5 67.9	23,400 8,550 15.2 156 2.8 69.5	26,200 8,550 15.2 173 3.1 71.5	28,200 8,550 15.3 185 3.3 72.6
55.0 (22.5) C P A M E %				15,600 7,600 13.8 102 2.1 62.1	19,200 7,600 13.8 123 2.5 67.1	23,300 7,600 13.8 147 3.1 71.0	25,100 7,600 13.8 158 3.3 72.3	28,100 7,650 13.9 175 3.7 73.7	30,000 7,650 14.0 187 3.9 74.3
50.0 (19.9) C P A M E %			13,500 6,750 12.6 85 2.0 60.6	16,700 6,750 12.6 104 2.5 65.8	20,500 6,750 12.6 125 3.0 70.1	24,800 6,800 12.7 149 3.7 73.2	26,700 6,800 12.7 160 3.9 74.0	29,900 6,850 12.8 177 4.4 74.7	32,000 6,900 12.9 189 4.7 74.7
45.0 (17.5) C P A M E %		11,500 5,950 11.5 70 1.9 58.6	14,450 6,000 11.6 87 2.4 64.1	17,800 6,050 11.6 105 3.0 68.7	21,700 6,050 11.7 126 3.6 72.2	26,300 6,100 11.7 150 4.3 74.1	28,300 6,150 11.8 161 4.6 74.4	31,500 6,200 11.9 179 5.1 74.1	34,000 6,250 12.0 191 5.5 73.4
40.0 (15.4) C P A M E %	9,600 5,250 10.7 57 1.8 55.8	12,300 5,350 10.7 71 2.3 61.7	15,300 5,400 10.8 88 2.8 66.6	18,800 5,400 10.8 106 3.5 70.5	22,900 5,450 10.9 127 4.2 72.9	27,700 5,500 10.9 152 5.0 73.5	29,900 5,550 11.0 163 5.4 73.1	33,500 5,650 11.1 180 5.9 71.6	36,000 5,700 11.2 193 6.3 70.0
35.0 (13.5) C P A M E %	10,250 4,760 10.0 58 2.2 58.6	13,000 4,820 10.1 72 2.7 63.9	16,100 4,850 10.1 88 3.3 68.1	19,800 4,880 10.1 107 4.1 71.1	24,100 4,920 10.2 128 4.9 72.2	29,200 5,000 10.3 153 5.8 71.1	31,500 5,050 10.3 164 6.2 69.8	35,500 5,150 10.5 182 6.9 66.9	38,000 5,200 10.6 195 7.3 64.4
30.0 (11.8) C P A M E %	10,850 4,310 9.5 59 2.5 60.4	13,650 4,360 9.5 73 3.1 65.0	16,900 4,380 9.6 89 3.9 68.4	20,800 4,410 9.6 108 4.7 70.2	25,300 4,460 9.6 130 5.7 69.8	30,500 4,560 9.7 155 6.7 66.6	33,000 4,620 9.8 166 7.2 64.3	37,000 4,720 9.9 185 7.9 59.9	40,000 4,810 10.0 198 8.3 56.2
27.0 (10.8) C P A M E %	11,200 4,070 9.2 59 2.8 61.0	14,050 4,110 9.3 73 3.4 65.2	17,400 4,130 9.3 90 4.2 68.0	21,400 4,160 9.3 108 5.1 69.0	26,100 4,220 9.4 130 6.2 67.5	31,500 4,320 9.5 156 7.3 62.8	34,000 4,380 9.5 168 7.8 59.9	38,500 4,500 9.6 186 8.5 54.4	41,500 4,590 9.8 200 9.0 49.9

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V