

Rating Conditions

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

50 Hz Operation

AIR CONDITIONING

VR94KSE-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 %						16,800	18,300	20,800	22,600
						8,800	8,800	8,800	8,800
						15.3	15.3	15.3	15.3
						120	130	146	157
						1.9	2.1	2.4	2.6
						58.6	60.7	63.6	65.2
60.0 (25.3) C P A M E %					14,950	18,600	20,200	22,800	24,600
					7,800	7,850	7,850	7,850	7,850
					14.0	14.0	14.0	14.0	14.0
					102	125	135	150	161
					1.9	2.4	2.6	2.9	3.1
					57.9	63.4	65.3	67.6	68.9
55.0 (22.5) C P A M E %				13,100	16,400	20,300	22,000	24,600	26,600
				7,000	7,000	7,000	7,000	7,000	7,050
				12.8	12.8	12.9	12.9	12.9	12.9
				86	106	128	138	154	165
				1.9	2.4	2.9	3.1	3.5	3.8
				56.5	62.5	67.2	68.7	70.4	71.2
50.0 (19.9) C P A M E %			11,250	14,300	17,800	21,800	23,500	26,300	28,300
			6,250	6,250	6,250	6,250	6,250	6,300	6,300
			11.8	11.8	11.8	11.9	11.9	11.9	11.9
			71	89	109	131	141	156	167
			1.8	2.3	2.9	3.5	3.8	4.2	4.5
			54.4	60.8	66.1	69.8	70.8	71.8	72.0
45.0 (17.5) C P A M E %		9,450	12,250	15,400	19,000	23,200	25,000	27,800	29,900
		5,550	5,600	5,600	5,600	5,600	5,650	5,650	5,700
		10.9	10.9	10.9	11.0	11.0	11.0	11.0	11.1
		58	74	91	111	133	142	157	168
		1.7	2.2	2.8	3.4	4.1	4.4	4.9	5.3
		51.7	58.5	64.2	68.4	71.0	71.4	71.3	70.8
40.0 (15.4) C P A M E %	7,800	10,350	13,200	16,500	20,200	24,400	26,300	29,300	31,500
	4,960	5,000	5,000	5,050	5,050	5,050	5,100	5,100	5,150
	10.0	10.1	10.1	10.1	10.2	10.2	10.2	10.3	10.4
	46	60	76	93	112	134	143	158	169
	1.6	2.1	2.6	3.3	4.0	4.8	5.2	5.7	6.1
	48.3	55.6	61.7	66.4	69.5	70.5	70.2	68.9	67.5
35.0 (13.5) C P A M E %	8,550	11,150	14,050	17,400	21,200	25,600	27,500	30,500	32,500
	4,450	4,490	4,500	4,510	4,530	4,570	4,600	4,650	4,700
	9.4	9.4	9.4	9.4	9.5	9.5	9.6	9.7	9.7
	49	62	77	94	113	134	144	158	169
	1.9	2.5	3.1	3.9	4.7	5.6	6.0	6.6	7.0
	52.3	58.8	64.0	67.5	69.0	68.1	66.9	64.2	61.8
30.0 (11.8) C P A M E %	9,300	11,900	14,850	18,300	22,200	26,700	28,600	32,000	34,000
	3,990	4,020	4,030	4,050	4,080	4,130	4,170	4,230	4,290
	8.7	8.8	8.8	8.8	8.9	8.9	9.0	9.1	9.2
	50	64	78	95	113	134	144	158	169
	2.3	3.0	3.7	4.5	5.4	6.5	6.9	7.5	7.9
	55.9	61.4	65.3	67.4	67.0	63.7	61.5	57.2	53.6
27.0 (10.8) C P A M E %	9,700	12,350	15,300	18,800	22,700	27,300	29,300	32,500	34,500
	3,720	3,750	3,770	3,780	3,820	3,890	3,930	4,010	4,070
	8.4	8.4	8.4	8.5	8.5	8.6	8.7	8.8	8.9
	51	64	79	95	114	135	144	158	168
	2.6	3.3	4.1	5.0	6.0	7.0	7.4	8.1	8.5
	57.9	62.7	65.8	66.7	64.9	60.1	57.2	51.8	47.5

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