

Rating Conditions

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

50 Hz Operation

AIR CONDITIONING

VR84KSE-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						15,600	17,200	19,600	21,200
	P						7,550	7,500	7,450	7,450
	A						13.1	13.0	12.9	13.0
	M						112	122	138	147
	E						2.1	2.3	2.6	2.8
60.0 (25.3)	C					13,150	17,100	18,600	20,700	22,100
	P					6,950	6,750	6,750	6,800	6,850
	A					12.4	12.2	12.1	12.2	12.3
	M					90	114	123	137	145
	E					1.9	2.5	2.8	3.1	3.2
55.0 (22.5)	C				11,050	14,750	18,300	19,700	21,700	23,100
	P				6,300	6,100	6,100	6,150	6,250	6,350
	A				11.6	11.4	11.4	11.4	11.6	11.7
	M				73	94	115	124	136	143
	E				1.8	2.4	3.0	3.2	3.5	3.6
50.0 (19.9)	C			9,350	12,650	16,000	19,300	20,700	22,700	24,100
	P			5,650	5,500	5,450	5,550	5,600	5,750	5,850
	A			10.9	10.7	10.7	10.8	10.8	11.0	11.1
	M			59	78	97	116	123	135	142
	E			1.7	2.3	2.9	3.5	3.7	4.0	4.1
45.0 (17.5)	C		7,950	10,850	13,850	17,000	20,300	21,700	23,900	25,400
	P		5,050	4,930	4,890	4,920	5,050	5,100	5,250	5,350
	A		10.1	10.0	10.0	10.1	10.2	10.3	10.4	10.6
	M		48	65	81	99	116	124	135	143
	E		1.6	2.2	2.8	3.5	4.0	4.3	4.6	4.7
40.0 (15.4)	C	6,900	9,250	11,800	14,650	17,800	21,300	22,800	25,200	26,900
	P	4,370	4,370	4,380	4,400	4,460	4,560	4,610	4,710	4,790
	A	9.4	9.4	9.4	9.5	9.6	9.7	9.7	9.8	9.9
	M	41	54	68	83	99	117	124	136	144
	E	1.6	2.1	2.7	3.3	4.0	4.7	5.0	5.4	5.6
35.0 (13.5)	C	7,900	9,950	12,350	15,200	18,600	22,500	24,200	26,900	28,900
	P	3,840	3,930	3,990	4,020	4,040	4,060	4,070	4,090	4,110
	A	8.8	8.9	9.0	9.0	9.1	9.1	9.1	9.1	9.2
	M	45	56	68	83	99	118	126	139	148
	E	2.1	2.5	3.1	3.8	4.6	5.5	5.9	6.6	7.0
30.0 (11.8)	C	8,150	10,100	12,600	15,700	19,400	23,900	25,800	29,000	31,500
	P	3,540	3,660	3,710	3,680	3,610	3,500	3,440	3,350	3,290
	A	8.5	8.6	8.7	8.7	8.6	8.5	8.4	8.3	8.2
	M	44	54	66	81	99	120	129	144	155
	E	2.3	2.8	3.4	4.3	5.4	6.8	7.5	8.7	9.5
27.0 (10.8)	C	8,050	10,000	12,600	15,900	20,000	24,900	27,000	30,500	33,000
	P	3,450	3,560	3,570	3,490	3,340	3,110	3,010	2,830	2,710
	A	8.4	8.5	8.5	8.4	8.3	8.0	7.9	7.7	7.6
	M	42	52	65	80	100	122	132	149	160
	E	2.3	2.8	3.5	4.6	6.0	8.0	9.0	10.8	12.2
	%	51.5	53.3	56.7	61.0	65.2	68.3	68.9	68.8	67.8

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