

Rating Conditions

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

50 Hz Operation

AIR CONDITIONING

VR125KSE-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 C (28.4)						23,200	25,100	28,300	30,500
P						11,300	11,300	11,300	11,300
A						19.3	19.3	19.3	19.3
M						166	178	198	212
E						2.1	2.2	2.5	2.7
%						62.8	64.6	67.0	68.5
60.0 C (25.3)					20,700	25,300	27,300	30,500	33,000
P					10,100	10,100	10,100	10,100	10,100
A					17.6	17.6	17.6	17.7	17.7
M					141	170	182	202	216
E					2.1	2.5	2.7	3.0	3.3
%					62.2	66.7	68.3	70.3	71.5
55.0 C (22.5)				18,100	22,400	27,200	29,400	33,000	35,500
P				9,000	9,000	9,050	9,050	9,050	9,100
A				16.1	16.1	16.2	16.2	16.2	16.3
M				119	144	172	185	205	219
E				2.0	2.5	3.0	3.3	3.6	3.9
%				61.0	65.9	69.8	71.1	72.6	73.4
50.0 C (19.9)			15,700	19,500	23,900	29,000	31,500	35,000	37,500
P			8,000	8,050	8,050	8,100	8,100	8,150	8,200
A			14.8	14.8	14.9	14.9	15.0	15.0	15.1
M			99	121	146	174	187	207	222
E			2.0	2.4	3.0	3.6	3.9	4.3	4.6
%			59.3	64.5	68.8	71.9	72.8	73.7	73.9
45.0 C (17.5)		13,250	16,800	20,700	25,300	31,000	33,000	37,000	40,000
P		7,100	7,150	7,200	7,250	7,300	7,300	7,350	7,400
A		13.6	13.7	13.8	13.8	13.9	13.9	14.0	14.1
M		81	101	122	147	176	189	210	224
E		1.9	2.3	2.9	3.5	4.2	4.5	5.0	5.4
%		56.7	62.6	67.2	70.6	72.7	73.1	73.2	72.8
40.0 C (15.4)	10,950	14,150	17,800	21,900	26,700	32,500	35,000	39,000	42,500
P	6,300	6,350	6,400	6,450	6,500	6,600	6,600	6,650	6,700
A	12.7	12.7	12.8	12.9	12.9	13.0	13.1	13.2	13.2
M	65	82	102	124	149	178	191	212	227
E	1.7	2.2	2.8	3.4	4.1	4.9	5.3	5.9	6.3
%	53.3	60.0	65.1	68.9	71.3	72.1	71.9	70.9	69.7
35.0 C (13.5)	11,750	15,000	18,700	23,000	28,100	34,000	37,000	41,500	44,500
P	5,600	5,700	5,750	5,800	5,850	5,950	6,000	6,100	6,150
A	11.9	12.0	12.0	12.1	12.2	12.3	12.4	12.5	12.5
M	66	84	103	124	150	179	193	214	230
E	2.1	2.6	3.3	4.0	4.8	5.8	6.2	6.8	7.3
%	56.7	62.5	66.8	69.7	70.8	69.9	68.9	66.5	64.4
30.0 C (11.8)	12,500	15,800	19,700	24,200	29,600	36,000	39,000	43,500	47,000
P	5,000	5,100	5,150	5,200	5,300	5,400	5,450	5,550	5,650
A	11.3	11.3	11.4	11.5	11.6	11.7	11.8	11.9	11.9
M	68	85	104	126	151	181	195	217	233
E	2.5	3.1	3.8	4.7	5.6	6.7	7.1	7.9	8.4
%	59.6	64.5	67.8	69.4	68.8	65.8	63.8	59.8	56.5
27.0 C (10.8)	12,950	16,300	20,200	24,900	30,500	37,000	40,000	45,000	48,500
P	4,680	4,740	4,800	4,870	4,970	5,100	5,150	5,300	5,350
A	10.9	11.0	11.0	11.1	11.2	11.4	11.4	11.6	11.6
M	68	85	104	126	152	183	197	219	235
E	2.8	3.4	4.2	5.1	6.1	7.3	7.8	8.5	9.1
%	61.2	65.5	68.1	68.6	66.9	62.4	59.7	54.5	50.4

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