

Rating Conditions

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

50 Hz Operation

AIR CONDITIONING

VR144KSE-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)						26,700	28,900	32,500	34,500
P						13,000	13,000	13,000	13,000
A						22.0	22.0	22.0	22.0
M						192	206	227	242
E						2.1	2.2	2.5	2.7
%						63.3	64.9	67.1	68.2
60.0 C (25.3)					23,800	29,000	31,500	35,000	37,000
P					11,500	11,600	11,600	11,600	11,600
A					19.9	19.9	19.9	20.0	20.0
M					163	195	208	229	244
E					2.1	2.5	2.7	3.0	3.2
%					62.7	66.9	68.2	69.8	70.7
55.0 C (22.5)				20,900	25,700	31,000	33,500	37,000	39,500
P				10,200	10,300	10,300	10,300	10,300	10,300
A				18.0	18.1	18.1	18.1	18.2	18.2
M				137	165	196	210	231	245
E				2.0	2.5	3.0	3.2	3.6	3.8
%				61.8	66.2	69.6	70.6	71.8	72.3
50.0 C (19.9)			18,100	22,300	27,300	33,000	35,500	39,500	42,000
P			9,100	9,100	9,200	9,250	9,250	9,300	9,300
A			16.3	16.4	16.5	16.6	16.6	16.7	16.7
M			115	138	167	198	212	233	248
E			2.0	2.5	3.0	3.6	3.8	4.2	4.5
%			60.4	65.0	68.8	71.5	72.2	72.7	72.7
45.0 C (17.5)		15,600	19,200	23,700	29,000	35,000	37,500	42,000	45,000
P		8,050	8,100	8,150	8,250	8,350	8,350	8,400	8,400
A		14.9	15.0	15.1	15.2	15.3	15.4	15.4	15.5
M		95	115	140	168	201	215	236	251
E		1.9	2.4	2.9	3.5	4.2	4.5	5.0	5.3
%		58.9	63.4	67.5	70.7	72.4	72.6	72.3	71.7
40.0 C (15.4)	13,500	16,400	20,300	25,200	31,000	37,500	40,500	45,000	48,000
P	7,200	7,150	7,250	7,350	7,500	7,600	7,650	7,700	7,750
A	13.6	13.8	13.9	14.0	14.1	14.2	14.3	14.4	14.5
M	80	95	116	142	172	205	220	242	258
E	1.9	2.3	2.8	3.4	4.1	4.9	5.3	5.8	6.2
%	57.6	61.4	65.7	69.4	71.6	72.0	71.5	70.2	68.9
35.0 C (13.5)	13,950	17,200	21,600	27,000	33,500	40,500	43,500	48,500	52,000
P	6,400	6,450	6,550	6,700	6,900	7,050	7,100	7,200	7,250
A	12.8	12.9	13.0	13.1	13.2	13.3	13.4	13.5	13.6
M	79	96	118	145	177	213	228	251	268
E	2.2	2.7	3.3	4.0	4.9	5.8	6.1	6.8	7.2
%	59.4	63.5	67.5	70.3	71.2	69.8	68.5	65.8	63.5
30.0 C (11.8)	14,650	18,400	23,400	29,400	36,500	44,500	48,000	53,500	57,000
P	5,750	5,850	6,000	6,250	6,450	6,700	6,800	6,900	7,000
A	12.0	12.1	12.2	12.3	12.4	12.5	12.6	12.8	12.9
M	80	98	123	152	186	224	240	265	282
E	2.6	3.2	3.9	4.7	5.6	6.6	7.0	7.7	8.2
%	61.1	65.2	68.6	70.1	69.1	65.3	63.0	58.7	55.2
27.0 C (10.8)	15,200	19,400	24,700	31,000	38,500	47,000	51,000	56,500	60,500
P	5,450	5,550	5,800	6,050	6,300	6,600	6,700	6,850	6,950
A	11.6	11.7	11.7	11.8	11.9	12.1	12.2	12.4	12.5
M	81	101	127	158	193	233	250	276	294
E	2.8	3.5	4.3	5.2	6.1	7.2	7.6	8.3	8.7
%	62.2	66.1	68.8	69.2	66.8	61.3	58.3	52.9	48.7

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