

Rating Conditions

65 °F Return Gas
0 F Subcooling
95 °F Ambient Air Over

60 Hz Operation

HIGH TEMPERATURE

3RK1-031A-TAC

COPELAMETIC® CFC-12
COMPRESSOR
TAC 208/230-3-60

Condensing Temperature °F
(Sat. Dew Pt. Pressure, psig)

Evaporating Temperature °F (Sat. Dew Pt. Pressure, psig)

		0.0(9)	5.0(12)	10.0(15)	15.0(18)	20.0(21)	25.0(25)	30.0(28)	35.0(32)	40.0(37)	45.0(42)	50.0(47)	55.0(52)
145.0 (220)	C	7,290	8,620	10,100	11,600	13,300	15,200	17,200	19,300	21,600	24,100	26,700	29,500
	P	2,210	2,380	2,550	2,720	2,890	3,060	3,230	3,400	3,570	3,750	3,930	4,110
	A	6.8	7.4	8.0	8.7	9.3	9.9	10.4	11.0	11.6	12.2	12.8	13.4
	M	165	196	229	266	305	349	396	447	500	560	630	700
	E	3.3	3.6	3.9	4.3	4.6	5.0	5.3	5.7	6.0	6.4	6.8	7.2
	%	45.6	47.4	48.8	50.0	50.8	51.4	51.8	51.9	51.7	51.2	50.5	49.5
140.0 (206)	C	8,030	9,450	11,000	12,700	14,500	16,500	18,600	20,900	23,300	25,900	28,700	31,700
	P	2,210	2,370	2,530	2,680	2,840	3,000	3,150	3,310	3,470	3,630	3,800	3,970
	A	6.8	7.4	8.0	8.6	9.1	9.7	10.2	10.8	11.3	11.8	12.4	12.9
	M	176	208	243	281	322	367	416	469	525	590	655	725
	E	3.6	4.0	4.4	4.7	5.1	5.5	5.9	6.3	6.7	7.1	7.6	8.0
	%	47.4	49.2	50.7	51.9	52.8	53.4	53.7	53.7	53.4	52.9	52.0	50.9
130.0 (181)	C	9,430	11,000	12,800	14,700	16,700	18,900	21,300	23,800	26,600	29,500	32,600	35,900
	P	2,200	2,340	2,470	2,610	2,740	2,870	3,000	3,140	3,270	3,410	3,550	3,690
	A	6.9	7.4	7.9	8.4	8.9	9.3	9.8	10.2	10.7	11.1	11.6	12.0
	M	196	230	267	307	351	399	450	505	565	630	700	775
	E	4.3	4.7	5.2	5.6	6.1	6.6	7.1	7.6	8.1	8.6	9.2	9.7
	%	49.9	51.8	53.3	54.6	55.5	56.0	56.3	56.2	56.2	55.8	55.0	52.4
120.0 (157)	C	10,700	12,500	14,500	16,500	18,800	21,200	23,800	26,600	29,600	32,800	36,200	39,800
	P	2,180	2,300	2,410	2,520	2,630	2,740	2,850	2,960	3,070	3,190	3,300	3,420
	A	7.0	7.4	7.8	8.2	8.6	9.0	9.3	9.7	10.0	10.4	10.8	11.1
	M	212	248	286	329	374	424	478	535	600	665	735	815
	E	4.9	5.5	6.0	6.6	7.1	7.7	8.4	9.0	9.6	10.3	11.0	11.6
	%	51.0	52.9	54.6	55.8	56.7	57.3	57.4	57.2	56.6	55.6	54.2	52.4
110.0 (136)	C	11,900	13,900	16,000	18,200	20,700	23,300	26,100	29,100	32,400	35,800	39,500	43,400
	P	2,150	2,250	2,340	2,430	2,520	2,610	2,700	2,790	2,880	2,970	3,060	3,160
	A	6.9	7.3	7.6	7.9	8.3	8.6	8.9	9.1	9.4	9.7	10.0	10.2
	M	225	261	301	345	392	443	499	560	625	690	765	845
	E	5.6	6.2	6.8	7.5	8.2	8.9	9.7	10.4	11.2	12.1	12.9	13.7
	%	50.9	52.9	54.5	55.8	56.6	57.1	57.1	56.7	55.9	54.6	52.8	50.6
100.0 (117)	C	13,000	15,100	17,300	19,800	22,400	25,200	28,200	31,500	34,900	38,600	42,500	46,700
	P	2,110	2,190	2,270	2,340	2,420	2,490	2,550	2,620	2,690	2,760	2,830	2,900
	A	6.8	7.1	7.4	7.7	7.9	8.1	8.4	8.6	8.8	9.0	9.2	9.4
	M	234	272	313	357	406	458	515	575	640	710	785	870
	E	6.2	6.9	7.6	8.4	9.3	10.1	11.0	12.0	13.0	14.0	15.0	16.1
	%	49.9	51.8	53.3	54.5	55.2	55.5	55.4	54.7	53.6	51.9	49.7	47.0
90.0 (100)	C	14,000	16,200	18,500	21,100	23,900	26,900	30,100	33,500	37,200	41,100	45,300	49,700
	P	2,060	2,130	2,190	2,250	2,310	2,360	2,410	2,460	2,510	2,560	2,610	2,660
	A	6.7	6.9	7.2	7.4	7.5	7.7	7.9	8.0	8.2	8.3	8.5	8.6
	M	241	279	320	366	415	468	525	585	655	725	800	885
	E	6.8	7.6	8.5	9.4	10.4	11.4	12.5	13.6	14.8	16.1	17.3	18.7
	%	47.9	49.6	51.0	51.9	52.5	52.6	52.1	51.2	49.6	47.4	44.7	41.2

C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 230 V