

Rating Conditions

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

60 Hz Operation

HIGH TEMPERATURE

9RC1-101A-TFC

COPELAMETIC® HCFC-22
 COMPRESSOR
 TFC 208/230-3-60

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

		0.0 (24)	5.0 (28)	10.0 (33)	15.0 (38)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	45.0 (76)	55.0 (93)
145.0 (359)	C	23,800	33,500	42,700	51,500	60,500	69,000	78,000	87,500	107,000	131,000
	P	7,850	8,450	9,050	9,650	10,300	10,900	11,500	12,100	13,300	14,400
	A	29.9	31.1	32.4	33.8	35.3	36.9	38.6	40.3	44.0	47.8
	M	393	555	710	865	1,010	1,170	1,330	1,490	1,860	2,300
	E	3.0	4.0	4.7	5.3	5.9	6.4	6.8	7.2	8.1	9.1
	%	43.9	54.3	61.0	65.1	67.4	68.6	68.8	68.6	67.1	64.9
140.0 (337)	C	27,300	36,800	45,900	55,000	63,500	72,500	81,500	91,000	112,000	136,000
	P	7,800	8,350	8,950	9,550	10,100	10,700	11,300	11,900	13,000	14,100
	A	29.7	30.8	32.0	33.3	34.8	36.3	37.9	39.6	43.1	46.8
	M	438	595	745	890	1,040	1,190	1,340	1,510	1,880	2,320
	E	3.5	4.4	5.1	5.7	6.3	6.8	7.2	7.7	8.6	9.6
	%	48.0	56.8	62.5	65.8	67.6	68.3	68.2	67.7	65.7	63.2
130.0 (297)	C	33,800	43,100	52,000	61,000	70,000	79,000	88,500	98,500	120,000	146,000
	P	7,600	8,150	8,700	9,250	9,800	10,400	10,900	11,400	12,500	13,500
	A	29.4	30.3	31.3	32.5	33.7	35.1	36.6	38.1	41.3	44.7
	M	515	660	800	940	1,080	1,230	1,380	1,540	1,910	2,350
	E	4.5	5.3	6.0	6.6	7.1	7.6	8.1	8.6	9.6	10.8
	%	54.2	60.7	64.5	66.6	67.4	67.3	66.7	65.7	63.0	59.8
120.0 (260)	C	40,000	49,100	58,000	67,000	76,000	85,500	95,000	105,000	129,000	156,000
	P	7,400	7,900	8,400	8,900	9,450	9,950	10,400	10,900	11,900	12,900
	A	29.2	29.9	30.7	31.7	32.8	33.9	35.2	36.6	39.5	42.6
	M	580	715	845	980	1,120	1,260	1,410	1,570	1,940	2,390
	E	5.4	6.2	6.9	7.5	8.1	8.6	9.1	9.6	10.8	12.2
	%	58.4	63.0	65.5	66.5	66.5	65.9	64.8	63.4	60.0	56.1
110.0 (226)	C	45,900	55,000	64,000	73,000	82,000	91,500	102,000	113,000	137,000	167,000
	P	7,200	7,650	8,100	8,600	9,050	9,500	9,950	10,400	11,300	12,100
	A	29.1	29.5	30.2	30.9	31.8	32.8	33.9	35.1	37.6	40.3
	M	635	760	890	1,020	1,150	1,290	1,440	1,600	1,970	2,430
	E	6.4	7.2	7.9	8.5	9.1	9.7	10.2	10.8	12.2	13.8
	%	61.0	64.1	65.5	65.7	65.1	64.0	62.5	60.7	56.6	51.8
100.0 (196)	C	52,000	60,500	69,500	78,500	88,000	98,000	109,000	120,000	146,000	178,000
	P	7,050	7,450	7,850	8,250	8,650	9,050	9,450	9,850	10,600	11,300
	A	29.0	29.3	29.7	30.3	30.9	31.7	32.6	33.6	35.7	38.1
	M	685	805	925	1,050	1,180	1,320	1,470	1,630	2,010	2,470
	E	7.4	8.2	8.9	9.6	10.2	10.9	11.5	12.2	13.8	15.7
	%	62.0	63.9	64.5	64.1	63.0	61.5	59.6	57.5	52.6	46.8
90.0 (168)	C	57,500	66,500	75,500	85,000	94,500	105,000	116,000	128,000	156,000	189,000
	P	6,900	7,250	7,600	7,900	8,250	8,600	8,950	9,250	9,900	10,500
	A	29.2	29.2	29.3	29.7	30.1	30.6	31.3	32.1	33.8	35.7
	M	735	850	965	1,090	1,220	1,360	1,510	1,670	2,050	2,520
	E	8.4	9.2	10.0	10.7	11.4	12.2	13.0	13.8	15.7	18.0
	%	61.5	62.5	62.4	61.5	60.0	58.1	55.9	53.4	47.6	40.5

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