

Rating Conditions

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

60 Hz Operation

LOW TEMPERATURE

MRB1-050A-TFC

COPELAMETIC® HCFC-502
COMPRESSOR
TFC 208/230-3-60

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

		-40.0 (4)	-35.0 (6)	-30.0 (9)	-25.0 (12)	-20.0 (15)	-15.0 (18)	-10.0 (22)	-5.0 (26)
130.0 (319)	C	7,510	9,810	12,300	15,000	17,900	21,100	24,500	28,100
	P	2,790	3,370	3,930	4,490	5,050	5,600	6,150	6,650
	A	11.4	12.6	13.9	15.2	16.6	18.1	19.6	21.2
	M	174	228	287	351	420	496	575	665
	E	2.7	2.9	3.1	3.3	3.6	3.8	4.0	4.2
	%	54.7	56.2	57.2	57.9	58.4	58.7	58.7	58.6
120.0 (281)	C	9,770	12,200	14,800	17,700	20,800	24,100	27,700	31,600
	P	3,040	3,540	4,030	4,520	4,990	5,450	5,950	6,400
	A	11.7	12.8	13.9	15.1	16.3	17.6	18.9	20.3
	M	211	264	321	384	452	525	605	695
	E	3.2	3.4	3.7	3.9	4.2	4.4	4.7	4.9
	%	57.9	58.7	59.4	59.9	60.1	60.2	60.1	59.8
110.0 (246)	C	11,900	14,400	17,200	20,200	23,400	26,900	30,700	34,800
	P	3,240	3,670	4,090	4,510	4,910	5,300	5,700	6,100
	A	12.1	13.0	14.0	15.0	16.1	17.2	18.3	19.5
	M	240	292	348	410	477	550	630	715
	E	3.7	3.9	4.2	4.5	4.8	5.1	5.4	5.7
	%	58.8	59.5	60.0	60.5	60.7	60.8	60.6	60.3
105.0 (230)	C	12,900	15,500	18,300	21,400	24,700	28,300	32,200	36,300
	P	3,320	3,720	4,110	4,490	4,870	5,250	5,600	5,950
	A	12.3	13.1	14.0	15.0	15.9	17.0	18.0	19.2
	M	252	304	360	421	487	560	640	725
	E	3.9	4.2	4.5	4.8	5.1	5.4	5.7	6.1
	%	58.7	59.4	60.0	60.4	60.7	60.7	60.6	60.2
100.0 (214)	C	13,900	16,500	19,400	22,500	25,900	29,600	33,600	37,800
	P	3,390	3,760	4,120	4,470	4,810	5,150	5,500	5,800
	A	12.5	13.3	14.1	14.9	15.8	16.8	17.8	18.8
	M	264	315	370	431	497	570	645	730
	E	4.1	4.4	4.7	5.0	5.4	5.7	6.1	6.5
	%	58.5	59.1	59.7	60.2	60.4	60.5	60.4	60.0
90.0 (185)	C	15,800	18,500	21,500	24,800	28,300	32,100	36,200	40,700
	P	3,500	3,820	4,120	4,410	4,700	4,980	5,250	5,550
	A	12.8	13.5	14.2	14.9	15.7	16.5	17.3	18.2
	M	284	334	388	448	515	585	660	745
	E	4.5	4.9	5.2	5.6	6.0	6.4	6.9	7.4
	%	57.5	58.1	58.7	59.2	59.5	59.6	59.4	59.0

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