

Rating Conditions

20 °F Superheat
 15 F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

AIR CONDITIONING

4DE3R18ME-TSK

COPELAMETIC® HCFC-22

DISCUS® COMPRESSOR

TSK 208/230/460-3-60

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

		10.0 (33)	20.0 (43)	25.0 (49)	30.0 (55)	35.0 (62)	40.0 (69)	45.0 (76)	50.0 (84)	55.0 (93)
140.0 (337)	C	85,500	103,000	118,000	135,000	154,000	175,000	196,000	217,000	238,000
	P	14,300	15,900	16,700	17,500	18,300	19,000	19,700	20,400	20,900
	A	22.9	24.8	25.8	26.7	27.6	28.5	29.4	30.2	30.9
	M	1,400	1,650	1,870	2,130	2,420	2,720	3,030	3,340	3,620
	E	6.0	6.5	7.0	7.7	8.5	9.2	10.0	10.7	11.3
	%	67.2	64.4	65.6	67.2	68.7	69.8	70.2	69.8	68.7
130.0 (297)	C	91,500	113,000	130,000	149,000	171,000	193,000	216,000	239,000	260,000
	P	13,800	15,100	15,900	16,600	17,200	17,800	18,400	18,900	19,300
	A	22.3	23.9	24.7	25.5	26.3	27.1	27.7	28.3	28.8
	M	1,410	1,730	1,970	2,240	2,540	2,860	3,180	3,480	3,770
	E	6.6	7.5	8.2	9.0	9.9	10.8	11.7	12.6	13.5
	%	66.2	65.4	66.9	68.7	70.1	71.0	71.2	70.7	69.3
120.0 (260)	C	97,500	124,000	142,000	163,000	186,000	210,000	234,000	258,000	281,000
	P	13,100	14,300	14,900	15,500	16,100	16,600	17,000	17,300	17,600
	A	21.5	22.9	23.6	24.3	24.9	25.5	26.0	26.4	26.6
	M	1,440	1,800	2,050	2,340	2,650	2,970	3,290	3,600	3,890
	E	7.5	8.6	9.5	10.5	11.6	12.7	13.8	14.9	16.0
	%	65.8	66.3	67.9	69.6	70.9	71.6	71.5	70.7	69.0
110.0 (226)	C	105,000	135,000	155,000	177,000	202,000	227,000	252,000	277,000	301,000
	P	12,400	13,400	13,900	14,400	14,800	15,200	15,400	15,600	15,700
	A	20.7	21.9	22.5	23.0	23.5	23.8	24.1	24.3	24.4
	M	1,480	1,870	2,140	2,430	2,750	3,070	3,390	3,700	3,990
	E	8.5	10.1	11.1	12.3	13.6	15.0	16.3	17.8	19.2
	%	65.9	67.1	68.7	70.2	71.2	71.6	71.2	69.9	67.9
100.0 (196)	C	114,000	147,000	168,000	192,000	218,000	244,000	270,000	296,000	320,000
	P	11,600	12,500	12,900	13,200	13,500	13,700	13,800	13,800	13,700
	A	19.9	20.9	21.3	21.7	22.0	22.2	22.3	22.3	22.2
	M	1,550	1,960	2,230	2,530	2,840	3,170	3,490	3,790	4,080
	E	9.9	11.8	13.1	14.6	16.1	17.8	19.5	21.4	23.3
	%	66.6	68.0	69.3	70.4	71.0	70.9	70.0	68.3	65.7
90.0 (168)	C	126,000	161,000	183,000	208,000	234,000	261,000	288,000	314,000	339,000
	P	10,800	11,500	11,800	12,000	12,100	12,200	12,200	12,000	11,700
	A	19.1	19.8	20.1	20.4	20.5	20.6	20.5	20.3	20.0
	M	1,630	2,060	2,340	2,630	2,950	3,270	3,580	3,880	4,160
	E	11.6	14.0	15.6	17.4	19.3	21.4	23.7	26.2	29.0
	%	67.8	68.6	69.5	70.0	70.0	69.3	67.7	65.2	61.9
80.0 (144)	C	140,000	177,000	200,000	226,000	253,000	280,000	307,000	334,000	358,000
	P	10,100	10,500	10,700	10,800	10,800	10,700	10,500	10,100	9,650
	A	18.4	18.9	19.0	19.1	19.1	19.0	18.7	18.3	17.8
	M	1,750	2,190	2,460	2,750	3,060	3,380	3,680	3,980	4,250
	E	13.8	16.8	18.7	20.9	23.4	26.2	29.3	32.9	37.1
	%	68.9	68.7	68.9	68.6	67.8	66.1	63.5	60.0	55.3
70.0 (121)	C	157,000	196,000	220,000	246,000	273,000	301,000	328,000	354,000	379,000
	P	9,400	9,650	9,700	9,650	9,500	9,200	8,850	8,300	7,650
	A	17.7	18.0	18.0	17.9	17.7	17.5	17.0	16.4	15.7
	M	1,900	2,330	2,600	2,890	3,200	3,500	3,800	4,080	4,340
	E	16.7	20.3	22.7	25.5	28.8	32.6	37.1	42.6	49.6
	%	69.4	67.6	66.8	65.4	63.4	60.3	56.2	50.7	43.4

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 @ 460 V