

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

4DK3R22ME-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	107,000	138,000	155,000	174,000	194,000	216,000	241,000	267,000	297,000
	P	18,400	20,500	21,600	22,600	23,600	24,500	25,400	26,200	27,000
	A	29.9	32.4	33.6	34.8	36.0	37.1	38.3	39.3	40.3
	M	1,750	2,210	2,470	2,740	3,040	3,370	3,720	4,100	4,520
	E	5.8	6.7	7.2	7.7	8.2	8.8	9.5	10.2	11.0
	%	65.7	66.7	66.8	66.9	66.9	66.8	66.8	66.7	66.6
130.0 (297)	C	121,000	153,000	171,000	191,000	213,000	236,000	262,000	291,000	322,000
	P	17,900	19,800	20,600	21,500	22,300	23,000	23,700	24,300	24,900
	A	29.4	31.5	32.5	33.4	34.4	35.3	36.2	36.9	37.7
	M	1,870	2,340	2,590	2,870	3,170	3,500	3,860	4,250	4,670
	E	6.7	7.8	8.3	8.9	9.6	10.3	11.1	12.0	12.9
	%	67.1	67.8	67.8	67.8	67.6	67.4	67.2	66.9	66.6
120.0 (260)	C	132,000	167,000	186,000	207,000	230,000	255,000	283,000	313,000	346,000
	P	17,200	18,700	19,500	20,100	20,800	21,300	21,800	22,200	22,600
	A	28.6	30.3	31.1	31.8	32.6	33.2	33.9	34.4	34.9
	M	1,950	2,420	2,680	2,970	3,270	3,610	3,970	4,360	4,790
	E	7.7	8.9	9.6	10.3	11.1	12.0	13.0	14.1	15.3
	%	67.6	68.2	68.2	68.0	67.8	67.5	67.1	66.6	66.0
110.0 (226)	C	142,000	179,000	199,000	222,000	246,000	273,000	302,000	334,000	368,000
	P	16,300	17,500	18,100	18,600	19,100	19,500	19,800	20,000	20,200
	A	27.5	28.9	29.5	30.1	30.6	31.1	31.5	31.8	32.0
	M	2,010	2,490	2,750	3,040	3,350	3,690	4,060	4,460	4,890
	E	8.7	10.2	11.0	11.9	12.9	14.0	15.3	16.7	18.3
	%	67.6	68.1	68.0	67.8	67.5	67.0	66.4	65.6	64.6
100.0 (196)	C	152,000	191,000	212,000	236,000	262,000	290,000	321,000	355,000	391,000
	P	15,200	16,200	16,600	17,000	17,300	17,500	17,700	17,800	17,900
	A	26.4	27.4	27.9	28.3	28.6	28.9	29.0	29.1	29.1
	M	2,050	2,540	2,810	3,110	3,420	3,770	4,140	4,550	4,990
	E	10.0	11.8	12.8	13.9	15.1	16.5	18.1	20.0	22.1
	%	67.4	67.7	67.5	67.2	66.6	65.9	64.9	63.7	62.2
90.0 (168)	C	161,000	202,000	225,000	251,000	278,000	308,000	340,000	376,000	414,000
	P	14,100	14,800	15,100	15,300	15,500	15,600	15,600	15,500	15,300
	A	25.2	26.0	26.3	26.5	26.6	26.7	26.7	26.6	26.4
	M	2,090	2,590	2,870	3,170	3,500	3,850	4,230	4,640	5,100
	E	11.4	13.7	14.9	16.3	17.9	19.7	21.8	24.3	27.1
	%	66.8	66.9	66.5	65.9	65.0	63.8	62.3	60.4	58.0
80.0 (144)	C	171,000	215,000	239,000	266,000	295,000	326,000	361,000	398,000	438,000
	P	12,900	13,400	13,600	13,700	13,700	13,700	13,500	13,300	12,900
	A	24.1	24.6	24.7	24.8	24.8	24.7	24.6	24.3	23.8
	M	2,140	2,650	2,930	3,240	3,570	3,930	4,320	4,740	5,200
	E	13.3	16.0	17.6	19.4	21.5	23.9	26.7	30.0	34.0
	%	66.0	65.5	64.7	63.6	62.1	60.2	57.8	54.7	50.7
70.0 (121)	C	182,000	228,000	254,000	282,000	313,000	346,000	383,000	422,000	464,000
	P	11,800	12,100	12,200	12,200	12,100	11,900	11,600	11,200	10,600
	A	23.1	23.4	23.4	23.4	23.3	23.0	22.7	22.2	21.6
	M	2,190	2,720	3,010	3,330	3,670	4,030	4,430	4,860	5,300
	E	15.5	18.9	20.9	23.2	26.0	29.2	33.1	37.8	43.6
	%	64.4	62.9	61.5	59.6	57.2	54.0	50.0	44.9	38.2

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 @ 460 V