

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

6DS3R40ME-TSN

COPELAMETIC® HCFC-22

DISCUS® COMPRESSOR

TSN 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	199,000	251,000	280,000	312,000	346,000	382,000	423,000	466,000	514,000
	P	34,200	38,000	39,800	41,600	43,300	44,900	46,500	48,100	49,500
	A	52.0	56.5	58.6	60.8	62.9	65.0	67.2	69.4	71.7
	M	3,240	4,040	4,470	4,930	5,400	5,950	6,550	7,150	7,850
	E	5.8	6.6	7.0	7.5	8.0	8.5	9.1	9.7	10.4
	%	65.4	65.7	65.5	65.3	64.9	64.5	64.0	63.5	62.8
130.0 (297)	C	214,000	270,000	301,000	334,000	370,000	410,000	453,000	500,000	551,000
	P	32,700	36,000	37,600	39,100	40,500	41,900	43,300	44,500	45,700
	A	50.1	54.0	55.8	57.6	59.4	61.1	62.9	64.8	66.7
	M	3,320	4,110	4,550	5,000	5,500	6,050	6,650	7,300	8,000
	E	6.6	7.5	8.0	8.5	9.1	9.8	10.5	11.2	12.1
	%	65.4	65.5	65.3	65.0	64.6	64.1	63.6	62.9	62.0
120.0 (260)	C	231,000	289,000	322,000	358,000	396,000	439,000	485,000	535,000	590,000
	P	31,100	33,900	35,300	36,500	37,700	38,800	39,900	40,800	41,700
	A	48.3	51.6	53.1	54.5	55.9	57.3	58.8	60.2	61.7
	M	3,410	4,210	4,650	5,150	5,650	6,200	6,800	7,450	8,150
	E	7.4	8.5	9.1	9.8	10.5	11.3	12.2	13.1	14.1
	%	65.5	65.4	65.1	64.8	64.3	63.7	63.0	62.1	61.0
110.0 (226)	C	248,000	310,000	345,000	383,000	424,000	469,000	518,000	572,000	631,000
	P	29,300	31,700	32,800	33,800	34,800	35,600	36,400	37,100	37,700
	A	46.4	49.1	50.3	51.4	52.5	53.5	54.6	55.7	56.8
	M	3,490	4,310	4,760	5,250	5,750	6,350	6,950	7,650	8,400
	E	8.5	9.8	10.5	11.3	12.2	13.2	14.2	15.4	16.7
	%	65.5	65.2	64.8	64.4	63.7	62.9	62.0	60.8	59.3
100.0 (196)	C	265,000	331,000	368,000	408,000	453,000	501,000	553,000	611,000	673,000
	P	27,400	29,400	30,300	31,100	31,800	32,300	32,800	33,300	33,600
	A	44.5	46.6	47.4	48.2	49.0	49.7	50.4	51.1	51.8
	M	3,580	4,410	4,870	5,350	5,900	6,500	7,150	7,850	8,600
	E	9.7	11.2	12.1	13.1	14.3	15.5	16.8	18.4	20.1
	%	65.2	64.7	64.2	63.6	62.7	61.7	60.3	58.6	56.5
90.0 (168)	C	282,000	352,000	391,000	435,000	482,000	534,000	590,000	651,000	717,000
	P	25,500	27,000	27,700	28,200	28,600	29,000	29,200	29,300	29,400
	A	42.5	44.0	44.5	45.0	45.4	45.8	46.1	46.4	46.8
	M	3,660	4,510	4,990	5,500	6,050	6,650	7,350	8,050	8,800
	E	11.1	13.0	14.2	15.4	16.8	18.4	20.2	22.2	24.4
	%	64.6	63.8	63.1	62.2	61.0	59.5	57.6	55.2	52.2
80.0 (144)	C	299,000	373,000	415,000	461,000	512,000	567,000	627,000	692,000	763,000
	P	23,400	24,500	24,900	25,200	25,400	25,500	25,500	25,300	25,100
	A	40.3	41.2	41.5	41.6	41.7	41.7	41.7	41.7	41.7
	M	3,730	4,600	5,100	5,650	6,200	6,850	7,500	8,250	9,050
	E	12.8	15.2	16.7	18.3	20.1	22.2	24.6	27.3	30.4
	%	63.5	62.3	61.3	60.0	58.3	56.1	53.3	49.8	45.4
70.0 (121)	C	314,000	394,000	439,000	488,000	542,000	600,000	664,000	734,000	809,000
	P	21,200	21,900	22,100	22,200	22,100	22,000	21,700	21,300	20,700
	A	37.9	38.3	38.2	38.1	37.8	37.5	37.2	36.8	36.4
	M	3,800	4,690	5,200	5,750	6,350	7,000	7,700	8,450	9,250
	E	14.8	18.0	19.9	22.0	24.5	27.3	30.6	34.5	39.0
	%	61.7	59.9	58.4	56.4	53.9	50.6	46.4	41.0	34.2

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