

Rating Conditions

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

60 Hz Operation

AIR CONDITIONING

3DS3R17ME-TFD

COPELAMETIC® HCFC-22
 DISCUS® COMPRESSOR
 TFD 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	81,500	105,000	118,000	132,000	147,000	164,000	181,000	200,000	221,000
	P	13,500	15,100	15,800	16,500	17,200	17,800	18,300	18,800	19,300
	A	21.7	23.7	24.6	25.6	26.4	27.2	28.0	28.6	29.2
	M	1,330	1,680	1,880	2,090	2,310	2,550	2,800	3,070	3,360
	E	6.0	7.0	7.5	8.0	8.6	9.2	9.9	10.6	11.4
	%	67.9	69.1	69.5	69.7	69.8	69.8	69.7	69.5	69.3
130.0 (297)	C	87,500	113,000	127,000	142,000	158,000	175,000	194,000	214,000	236,000
	P	12,900	14,300	14,900	15,500	16,100	16,600	17,000	17,400	17,700
	A	21.1	22.8	23.6	24.3	25.0	25.6	26.2	26.7	27.1
	M	1,360	1,720	1,920	2,130	2,350	2,590	2,850	3,130	3,420
	E	6.8	7.9	8.5	9.1	9.8	10.6	11.4	12.3	13.3
	%	67.7	68.9	69.2	69.4	69.5	69.4	69.3	69.0	68.6
120.0 (260)	C	94,500	121,000	136,000	152,000	169,000	187,000	207,000	229,000	252,000
	P	12,300	13,500	14,000	14,500	15,000	15,300	15,600	15,900	16,000
	A	20.4	21.8	22.5	23.0	23.6	24.0	24.4	24.7	24.9
	M	1,400	1,760	1,960	2,180	2,400	2,650	2,910	3,190	3,490
	E	7.7	9.0	9.7	10.5	11.3	12.2	13.3	14.4	15.7
	%	67.7	68.8	69.0	69.1	69.1	69.0	68.7	68.3	67.7
110.0 (226)	C	102,000	130,000	146,000	163,000	181,000	200,000	221,000	244,000	268,000
	P	11,700	12,700	13,100	13,500	13,800	14,000	14,200	14,300	14,300
	A	19.7	20.8	21.3	21.7	22.1	22.4	22.6	22.8	22.8
	M	1,440	1,810	2,010	2,230	2,460	2,710	2,970	3,250	3,560
	E	8.7	10.3	11.1	12.1	13.1	14.3	15.6	17.0	18.7
	%	67.7	68.5	68.6	68.6	68.5	68.2	67.7	67.1	66.3
100.0 (196)	C	110,000	139,000	156,000	174,000	193,000	213,000	235,000	259,000	284,000
	P	11,000	11,800	12,100	12,400	12,600	12,700	12,700	12,600	12,500
	A	18.9	19.7	20.1	20.4	20.6	20.8	20.8	20.7	20.6
	M	1,480	1,860	2,060	2,280	2,520	2,770	3,040	3,320	3,620
	E	10.0	11.8	12.8	14.0	15.3	16.8	18.5	20.5	22.7
	%	67.5	67.9	67.9	67.8	67.5	67.0	66.3	65.3	64.0
90.0 (168)	C	118,000	149,000	166,000	185,000	205,000	226,000	249,000	274,000	300,000
	P	10,300	10,900	11,100	11,200	11,300	11,200	11,100	10,900	10,600
	A	18.0	18.6	18.8	19.0	19.1	19.0	18.9	18.7	18.4
	M	1,530	1,910	2,120	2,340	2,570	2,830	3,100	3,380	3,690
	E	11.4	13.7	15.0	16.5	18.2	20.1	22.4	25.1	28.3
	%	66.8	67.0	66.8	66.4	65.9	65.1	64.0	62.5	60.6
80.0 (144)	C	126,000	158,000	176,000	196,000	217,000	239,000	263,000	289,000	317,000
	P	9,550	9,900	10,000	10,000	9,900	9,700	9,450	9,050	8,600
	A	17.1	17.5	17.5	17.6	17.5	17.3	17.0	16.6	16.1
	M	1,580	1,960	2,160	2,390	2,630	2,880	3,160	3,450	3,760
	E	13.2	16.0	17.7	19.6	21.9	24.6	27.9	31.9	36.8
	%	65.7	65.5	65.0	64.4	63.5	62.2	60.4	58.1	55.0
70.0 (121)	C	134,000	168,000	187,000	207,000	229,000	252,000	277,000	304,000	333,000
	P	8,700	8,850	8,800	8,650	8,400	8,100	7,650	7,150	6,500
	A	16.1	16.2	16.2	16.1	15.8	15.5	15.1	14.5	13.8
	M	1,620	2,000	2,210	2,440	2,680	2,930	3,210	3,500	3,810
	E	15.4	19.0	21.2	23.9	27.1	31.1	36.2	42.7	51.4
	%	64.0	63.2	62.4	61.3	59.8	57.6	54.8	50.7	45.0

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 @ 460 V