

Rating Conditions

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

60 Hz Operation

LOW TEMPERATURE

Use only with Demand Cooling®
 Refer to AE 4-1287

3DS3F46KE-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)

		-40.0 (1)	-35.0 (3)	-30.0 (5)	-25.0 (7)	-20.0 (10)	-15.0 (13)	-10.0 (17)	-5.0 (20)	0.0 (24)
130.0 (297)	C	14,600	18,300	22,600	27,500	33,100	39,300	46,300	54,000	63,000
	P	6,400	6,950	7,500	8,100	8,750	9,400	10,100	10,800	11,600
	A	11.0	11.6	12.2	12.9	13.7	14.5	15.4	16.3	17.2
	M	219	275	340	414	498	595	700	820	955
	E	2.3	2.6	3.0	3.4	3.8	4.2	4.6	5.0	5.4
	%	43.7	48.0	51.8	55.2	58.2	60.8	63.0	64.7	66.1
120.0 (260)	C	17,400	21,700	26,400	31,800	37,800	44,500	52,000	60,000	69,000
	P	6,250	6,750	7,300	7,850	8,450	9,050	9,700	10,400	11,000
	A	10.8	11.4	12.0	12.6	13.3	14.1	14.9	15.7	16.5
	M	249	309	378	455	540	640	750	870	1,000
	E	2.8	3.2	3.6	4.0	4.5	4.9	5.3	5.8	6.3
	%	48.5	52.6	56.1	59.1	61.7	63.8	65.5	66.8	67.8
110.0 (226)	C	20,000	24,700	29,900	35,700	42,100	49,100	57,000	65,500	75,000
	P	6,050	6,550	7,050	7,600	8,150	8,700	9,300	9,900	10,500
	A	10.6	11.2	11.7	12.3	13.0	13.7	14.4	15.1	15.8
	M	272	336	408	488	575	675	785	905	1,040
	E	3.3	3.8	4.2	4.7	5.2	5.6	6.1	6.6	7.2
	%	51.9	55.8	59.0	61.6	63.8	65.5	66.8	67.8	68.4
105.0 (211)	C	21,200	26,100	31,500	37,500	44,100	51,500	59,500	68,000	77,500
	P	5,950	6,450	6,950	7,450	8,000	8,550	9,100	9,650	10,200
	A	10.5	11.0	11.6	12.2	12.8	13.4	14.1	14.8	15.5
	M	283	349	421	500	590	690	800	920	1,050
	E	3.6	4.1	4.5	5.0	5.5	6.0	6.5	7.1	7.6
	%	53.3	57.0	60.1	62.5	64.5	66.1	67.2	68.0	68.5
100.0 (196)	C	22,500	27,600	33,200	39,300	46,100	53,500	61,500	70,500	80,500
	P	5,850	6,350	6,800	7,350	7,850	8,350	8,850	9,400	9,900
	A	10.4	10.9	11.5	12.0	12.6	13.2	13.8	14.5	15.1
	M	294	360	434	515	605	705	815	930	1,060
	E	3.9	4.4	4.9	5.4	5.9	6.4	7.0	7.5	8.1
	%	54.6	58.2	61.1	63.3	65.1	66.5	67.4	68.1	68.4
90.0 (168)	C	25,100	30,600	36,500	43,000	50,000	58,000	66,500	75,500	85,500
	P	5,600	6,100	6,550	7,000	7,500	7,950	8,400	8,850	9,300
	A	10.2	10.7	11.2	11.7	12.2	12.8	13.3	13.8	14.4
	M	315	384	459	540	630	730	840	960	1,090
	E	4.5	5.0	5.6	6.1	6.7	7.3	7.9	8.5	9.2
	%	57.4	60.4	62.8	64.6	66.0	66.9	67.5	67.8	67.7
80.0 (144)	C	28,100	33,900	40,200	47,000	54,500	62,500	71,000	80,500	90,500
	P	5,350	5,800	6,250	6,700	7,100	7,550	7,950	8,300	8,650
	A	9.9	10.4	10.8	11.3	11.8	12.3	12.7	13.2	13.6
	M	340	410	487	570	660	760	865	985	1,110
	E	5.3	5.8	6.4	7.0	7.6	8.3	9.0	9.7	10.5
	%	60.5	62.8	64.5	65.8	66.6	67.1	67.2	67.1	66.7
70.0 (121)	C	31,700	37,800	44,300	51,500	59,000	67,000	76,000	86,000	96,000
	P	5,050	5,500	5,950	6,350	6,750	7,100	7,400	7,750	8,000
	A	9.6	10.1	10.5	10.9	11.3	11.8	12.1	12.5	12.8
	M	370	441	520	600	690	790	895	1,010	1,140
	E	6.2	6.8	7.5	8.1	8.8	9.5	10.3	11.1	12.0
	%	64.3	65.6	66.5	67.0	67.1	67.0	66.7	66.1	65.3

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