

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

3DB3F33KE-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	9,900	13,400	17,200	21,200	25,600	30,400	35,700	41,600	48,200
	P	4,280	4,830	5,400	5,900	6,450	7,000	7,500	8,050	8,550
	A	8.1	8.6	9.2	9.8	10.4	11.0	11.6	12.3	12.9
	M	148	201	258	319	385	459	540	630	735
	E	2.3	2.8	3.2	3.6	4.0	4.4	4.8	5.2	5.6
	%	44.3	50.4	54.8	58.2	60.9	63.2	65.2	67.0	68.6
120.0 (260)	C	12,600	16,200	20,000	24,200	28,700	33,800	39,300	45,500	52,500
	P	4,310	4,810	5,300	5,800	6,300	6,750	7,250	7,700	8,200
	A	8.1	8.6	9.2	9.7	10.2	10.8	11.4	11.9	12.5
	M	179	231	286	346	412	485	565	655	760
	E	2.9	3.4	3.8	4.2	4.6	5.0	5.4	5.9	6.4
	%	50.5	55.1	58.4	61.0	63.1	64.9	66.4	67.8	69.0
110.0 (226)	C	15,400	19,100	23,100	27,400	32,100	37,400	43,200	49,600	57,000
	P	4,300	4,750	5,200	5,650	6,100	6,500	6,950	7,400	7,800
	A	8.1	8.6	9.0	9.5	10.0	10.5	11.0	11.6	12.1
	M	209	260	315	375	440	515	595	685	785
	E	3.6	4.0	4.4	4.9	5.3	5.7	6.2	6.7	7.3
	%	56.1	59.4	61.9	63.8	65.3	66.6	67.7	68.7	69.5
105.0 (211)	C	16,800	20,500	24,600	29,000	33,800	39,200	45,200	52,000	59,000
	P	4,270	4,700	5,150	5,550	5,950	6,400	6,800	7,200	7,600
	A	8.1	8.5	9.0	9.4	9.9	10.4	10.9	11.3	11.9
	M	223	274	328	388	454	525	610	700	800
	E	3.9	4.4	4.8	5.2	5.7	6.1	6.6	7.2	7.8
	%	58.5	61.4	63.4	65.0	66.3	67.4	68.3	69.1	69.7
100.0 (196)	C	18,100	21,900	26,100	30,600	35,600	41,000	47,100	54,000	61,500
	P	4,230	4,640	5,050	5,450	5,850	6,250	6,650	7,050	7,400
	A	8.1	8.5	8.9	9.3	9.8	10.2	10.7	11.1	11.6
	M	236	287	341	401	467	540	620	710	815
	E	4.3	4.7	5.2	5.6	6.1	6.6	7.1	7.7	8.3
	%	60.6	63.1	64.8	66.1	67.2	68.0	68.7	69.3	69.7
90.0 (168)	C	20,600	24,600	28,900	33,600	38,800	44,600	51,000	58,000	66,000
	P	4,120	4,490	4,860	5,250	5,600	5,950	6,300	6,650	7,000
	A	8.0	8.3	8.7	9.1	9.5	9.9	10.3	10.7	11.1
	M	258	308	363	423	490	565	645	735	840
	E	5.0	5.5	5.9	6.4	6.9	7.5	8.1	8.7	9.4
	%	63.9	65.7	66.9	67.8	68.4	68.9	69.2	69.3	69.3
80.0 (144)	C	22,600	26,800	31,300	36,300	41,800	47,800	54,500	62,000	70,500
	P	3,960	4,300	4,630	4,970	5,300	5,600	5,950	6,250	6,600
	A	7.8	8.1	8.5	8.8	9.2	9.5	9.9	10.3	10.6
	M	273	324	379	440	505	580	665	760	860
	E	5.7	6.2	6.8	7.3	7.9	8.5	9.2	9.9	10.7
	%	65.7	67.0	67.9	68.5	68.8	68.9	68.8	68.5	68.0
70.0 (121)	C	24,000	28,400	33,200	38,400	44,200	50,500	57,500	65,500	74,000
	P	3,750	4,060	4,370	4,670	4,970	5,250	5,550	5,850	6,150
	A	7.6	7.9	8.2	8.5	8.8	9.2	9.5	9.8	10.1
	M	280	332	388	450	520	595	680	770	875
	E	6.4	7.0	7.6	8.2	8.9	9.6	10.4	11.2	12.1
	%	65.9	67.0	67.7	68.0	68.1	67.9	67.4	66.7	65.6

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