

Rating Conditions

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

60 Hz Operation

MEDIUM TEMPERATURE

Blue Area Restrictions: 50°F Max.
Return Gas Temp.

POE Oil Required. See Form 93-11.

3DFDS11ME-TFC

COPELAMETIC® HFC-407C - Dew Pt.
DISCUS® COMPRESSOR
TFC 208/230-3-60

Condensing Temperature °F
(Sat. Dew Pt. Pressure, psig)

Evaporating Temperature °F (Sat. Dew Pt. Pressure, psig)

	-10.0 (12)	-5.0 (16)	0.0 (19)	5.0 (23)	10.0 (28)	15.0 (33)	20.0 (38)	25.0 (43)	30.0 (50)
130.0 (307)					64,000	74,500	85,400	96,900	109,000
C					10,600	11,450	12,250	13,050	13,750
P					32.7	34.4	36.0	37.6	39.1
A					980	1,140	1,315	1,500	1,695
M					6.1	6.5	7.0	7.5	7.9
E					68.0	68.5	68.7	68.5	68.1
%									
125.0 (286)				58,700	68,600	79,000	90,000	101,500	114,000
C				9,680	10,500	11,250	11,950	12,650	13,300
P				31.0	32.5	34.0	35.5	36.9	38.2
A				867	1,015	1,170	1,340	1,525	1,720
M				6.1	6.6	7.1	7.5	8.0	8.6
E				67.9	68.6	68.9	68.9	68.7	68.3
%									
120.0 (266)			53,700	62,900	72,700	83,100	94,300	106,000	119,000
C			8,830	9,570	10,300	11,000	11,650	12,250	12,800
P			29.5	30.8	32.2	33.5	34.9	36.1	37.3
A			766	898	1,040	1,195	1,360	1,545	1,740
M			6.1	6.6	7.1	7.6	8.1	8.7	9.3
E			68.0	68.7	69.0	69.1	69.0	68.8	68.4
%									
110.0 (229)	45,400	52,900	61,100	70,100	79,900	90,500	102,000	114,500	128,500
C	7,320	7,950	8,570	9,180	9,770	10,350	10,850	11,350	11,750
P	27.2	28.1	29.1	30.2	31.3	32.4	33.5	34.4	35.3
A	609	708	819	943	1,080	1,230	1,395	1,575	1,775
M	6.2	6.7	7.2	7.7	8.2	8.8	9.4	10.1	10.9
E	69.3	69.5	69.6	69.6	69.5	69.4	69.2	68.9	68.5
%									
100.0 (196)	51,600	58,600	66,700	75,700	85,800	97,000	109,500	123,000	138,000
C	7,090	7,610	8,130	8,630	9,110	9,560	9,980	10,350	10,650
P	26.9	27.6	28.5	29.3	30.2	31.1	31.9	32.6	33.3
A	654	745	850	968	1,100	1,250	1,420	1,605	1,805
M	7.3	7.7	8.2	8.8	9.4	10.2	11.0	11.9	12.9
E	71.4	70.6	70.1	69.7	69.5	69.3	69.0	68.7	68.3
%									
90.0 (167)	55,700	62,600	70,800	80,200	90,900	103,000	116,500	131,500	148,000
C	6,710	7,140	7,570	7,990	8,380	8,750	9,080	9,370	9,600
P	26.4	27.0	27.6	28.3	29.0	29.7	30.4	30.9	31.3
A	675	761	862	979	1,115	1,265	1,440	1,630	1,840
M	8.3	8.8	9.4	10.1	10.9	11.8	12.8	14.0	15.4
E	71.8	70.4	69.6	69.1	68.8	68.5	68.3	67.9	67.3
%									
70.0 (117)	59,200	66,900	76,200	87,200	100,000	114,500	131,500	150,000	170,000
C	5,740	6,080	6,400	6,710	7,000	7,260	7,490	7,660	7,790
P	25.2	25.6	26.1	26.6	27.1	27.5	27.9	28.2	28.3
A	662	747	852	978	1,125	1,290	1,485	1,700	1,940
M	10.3	11.0	11.9	13.0	14.3	15.8	17.6	19.6	21.9
E	67.6	66.0	65.1	64.5	64.1	63.6	62.8	61.6	60.0
%									
60.0 (97)	59,500	67,900	78,200	90,600	105,000	121,500	140,000	160,500	183,500
C	5,300	5,620	5,930	6,220	6,490	6,730	6,930	7,090	7,190
P	24.8	25.2	25.7	26.1	26.6	27.0	27.3	27.5	27.5
A	638	728	840	974	1,130	1,315	1,520	1,750	2,010
M	11.2	12.1	13.2	14.6	16.2	18.0	20.2	22.7	25.5
E	62.6	61.1	60.3	59.6	58.9	57.8	56.3	54.2	51.2
%									
50.0 (79)	59,100	68,700	80,400	94,200	110,500	129,000	149,500	173,000	198,500
C	4,990	5,310	5,620	5,910	6,190	6,430	6,630	6,790	6,900
P	24.8	25.2	25.7	26.2	26.6	27.0	27.3	27.5	27.5
A	609	707	830	976	1,150	1,345	1,570	1,820	2,100
M	11.9	13.0	14.3	16.0	17.9	20.1	22.6	25.5	28.8
E	55.2	54.0	53.1	52.1	50.8	48.9	46.3	42.7	37.8
%									

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 @ 230 V