

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.

3DSDS12ME-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)					75,700	87,300	99,200	111,500	124,500
C					12,200	13,100	13,900	14,700	15,350
P					38.2	40.2	42.1	43.8	45.5
A					1,160	1,340	1,525	1,725	1,940
M					6.2	6.7	7.2	7.6	8.1
E					69.9	70.2	70.2	70.0	69.7
%									
125.0 (286)				69,000	80,200	91,700	103,500	116,500	130,000
C				11,200	12,050	12,850	13,600	14,250	14,850
P				36.0	37.9	39.6	41.3	42.9	44.4
A				1,020	1,185	1,360	1,545	1,745	1,955
M				6.2	6.7	7.2	7.7	8.2	8.8
E				69.3	69.8	70.0	70.0	69.8	69.5
%									
120.0 (266)			62,600	73,200	84,200	95,800	108,000	121,000	135,000
C			10,200	11,050	11,850	12,550	13,200	13,800	14,350
P			34.0	35.7	37.4	39.0	40.5	41.9	43.2
A			895	1,045	1,205	1,380	1,560	1,760	1,975
M			6.1	6.6	7.1	7.7	8.2	8.8	9.4
E			68.5	69.3	69.7	69.7	69.7	69.5	69.3
%									
110.0 (229)	50,900	60,200	70,000	80,400	91,500	103,500	116,000	130,000	145,000
C	8,500	9,250	9,970	10,650	11,300	11,850	12,400	12,850	13,250
P	30.5	32.0	33.4	34.9	36.2	37.5	38.7	39.7	40.6
A	683	808	942	1,085	1,240	1,405	1,590	1,785	2,000
M	6.0	6.5	7.0	7.6	8.1	8.7	9.4	10.1	11.0
E	66.9	68.1	68.7	68.9	69.0	69.0	69.0	68.9	68.7
%									
100.0 (196)	57,600	66,500	76,100	86,500	97,900	110,500	124,000	139,000	155,500
C	8,360	8,980	9,560	10,100	10,650	11,100	11,500	11,850	12,100
P	30.2	31.4	32.6	33.7	34.8	35.8	36.7	37.4	38.0
A	731	846	971	1,110	1,260	1,425	1,610	1,815	2,040
M	6.9	7.4	8.0	8.6	9.2	10.0	10.8	11.8	12.9
E	67.7	68.0	68.1	68.1	68.1	68.1	68.1	68.0	67.9
%									
90.0 (167)	62,800	71,400	81,100	91,900	104,000	117,500	132,500	149,000	167,500
C	8,050	8,560	9,040	9,480	9,880	10,250	10,550	10,800	10,950
P	29.6	30.6	31.5	32.4	33.2	34.0	34.6	35.1	35.4
A	760	868	989	1,125	1,275	1,445	1,635	1,845	2,080
M	7.8	8.4	9.0	9.7	10.5	11.5	12.6	13.8	15.3
E	67.3	67.1	66.9	66.9	66.9	66.9	66.9	66.9	66.7
%									
70.0 (117)	70,100	79,300	90,000	102,500	117,000	133,000	151,500	172,000	195,000
C	7,140	7,480	7,790	8,070	8,310	8,520	8,670	8,770	8,810
P	27.9	28.6	29.1	29.7	30.1	30.4	30.6	30.7	30.6
A	781	885	1,010	1,150	1,315	1,500	1,710	1,950	2,220
M	9.8	10.6	11.6	12.7	14.1	15.7	17.5	19.6	22.1
E	64.1	63.6	63.3	63.2	63.1	62.9	62.5	61.8	60.6
%									
60.0 (97)	73,100	83,000	94,800	108,500	124,500	142,500	163,000	186,500	212,000
C	6,610	6,890	7,150	7,380	7,580	7,730	7,840	7,900	7,900
P	27.1	27.6	28.0	28.4	28.7	28.9	29.0	28.9	28.6
A	782	891	1,020	1,170	1,345	1,545	1,770	2,030	2,320
M	11.1	12.1	13.3	14.7	16.5	18.5	20.8	23.6	26.9
E	61.6	60.9	60.6	60.3	59.9	59.2	58.1	56.4	53.8
%									
50.0 (79)	76,300	87,300	100,500	116,000	133,500	154,000	177,000	203,000	232,000
C	6,100	6,340	6,560	6,760	6,920	7,050	7,140	7,170	7,150
P	26.3	26.8	27.1	27.4	27.6	27.7	27.7	27.4	27.1
A	785	900	1,040	1,200	1,390	1,605	1,855	2,130	2,450
M	12.5	13.8	15.3	17.2	19.3	21.9	24.8	28.3	32.4
E	58.2	57.5	56.8	56.1	55.0	53.3	50.8	47.3	42.5
%									

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