

Rating Conditions

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

LOW TEMPERATURE

4DP3F63KE-TSK

COPELAMETIC® HFC-404A
 DISCUS® COMPRESSOR
 TSK 208/230/460-3-60

60 Hz Operation

HFCs Require Polyol Ester Lubricant
 See Form 93-11

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

	-40.0 (4)	-35.0 (7)	-30.0 (10)	-25.0 (13)	-20.0 (16)	-15.0 (20)	-10.0 (24)	-5.0 (28)	0.0 (33)
140.0 (402)									
C									
P									
A									
M									
E									
%									
130.0 (354)	26,500	33,200	39,800	46,700	54,000	61,500	70,000	79,000	89,000
C	8,600	10,000	11,300	12,500	13,600	14,700	15,800	16,900	17,900
P	32.9	35.6	38.3	41.0	43.6	46.3	48.9	51.6	54.3
A	575	725	875	1,030	1,190	1,360	1,550	1,770	2,000
M	3.1	3.3	3.5	3.7	4.0	4.2	4.4	4.7	5.0
E	66.9	68.7	69.5	69.8	69.9	69.9	70.0	70.1	70.3
%									
115.0 (290)	32,800	40,200	47,700	55,500	63,500	72,500	82,000	92,500	104,000
C	9,050	10,200	11,200	12,200	13,100	14,000	14,800	15,700	16,500
P	33.9	36.1	38.3	40.4	42.5	44.6	46.7	48.8	50.9
A	625	765	915	1,070	1,230	1,400	1,590	1,810	2,040
M	3.6	3.9	4.3	4.6	4.9	5.2	5.5	5.9	6.3
E	64.2	66.4	67.7	68.6	69.1	69.6	69.9	70.2	70.4
%									
110.0 (270)	35,300	42,900	50,500	59,000	67,500	76,500	86,500	98,000	110,000
C	9,150	10,200	11,100	12,000	12,900	13,700	14,500	15,300	16,100
P	34.0	36.0	38.1	40.0	42.0	43.9	45.9	47.8	49.8
A	645	790	935	1,090	1,250	1,430	1,620	1,830	2,070
M	3.9	4.2	4.6	4.9	5.2	5.6	6.0	6.4	6.8
E	64.4	66.6	67.9	68.8	69.4	69.9	70.2	70.5	70.6
%									
100.0 (235)	40,800	48,900	57,500	66,000	75,500	85,500	96,500	108,000	122,000
C	9,150	10,100	10,900	11,700	12,400	13,200	13,900	14,600	15,300
P	33.8	35.7	37.4	39.1	40.8	42.5	44.2	45.8	47.5
A	695	835	985	1,140	1,300	1,480	1,670	1,890	2,130
M	4.5	4.9	5.3	5.7	6.1	6.5	7.0	7.4	8.0
E	65.7	67.6	68.8	69.7	70.3	70.7	70.9	71.0	70.8
%									
80.0 (173)	53,500	62,500	72,000	82,500	93,500	105,000	118,000	132,000	147,000
C	8,800	9,550	10,200	10,900	11,500	12,100	12,600	13,200	13,900
P	33.0	34.5	35.9	37.3	38.7	40.0	41.3	42.6	44.0
A	810	950	1,100	1,250	1,420	1,610	1,810	2,030	2,270
M	6.1	6.6	7.1	7.6	8.1	8.7	9.3	10.0	10.6
E	69.9	70.9	71.5	71.8	71.8	71.5	71.0	70.2	69.0
%									
70.0 (147)	60,500	70,000	80,000	91,000	103,000	115,000	129,000	144,000	161,000
C	8,500	9,150	9,800	10,400	11,000	11,500	12,100	12,700	13,300
P	32.6	34.0	35.4	36.7	38.0	39.3	40.5	41.7	42.9
A	865	1,000	1,150	1,310	1,480	1,670	1,880	2,100	2,350
M	7.1	7.6	8.2	8.8	9.4	10.0	10.7	11.4	12.1
E	72.2	72.5	72.5	72.2	71.6	70.7	69.5	68.0	66.1
%									
50.0 (104)	74,000	85,000	96,500	109,000	122,000	137,000	153,000	170,000	189,000
C	7,650	8,300	8,950	9,500	10,100	10,700	11,300	12,000	12,600
P	32.7	34.2	35.6	37.0	38.3	39.6	40.8	42.1	43.3
A	965	1,110	1,260	1,430	1,600	1,800	2,010	2,240	2,500
M	9.7	10.2	10.8	11.4	12.1	12.8	13.5	14.2	14.9
E	75.7	73.9	72.0	69.8	67.5	64.8	61.9	58.5	54.8
%									
40.0 (85)	81,000	92,500	105,000	118,000	132,000	147,000	164,000	183,000	203,000
C	7,150	7,850	8,500	9,150	9,800	10,400	11,100	11,800	12,500
P	33.5	35.2	36.7	38.2	39.6	41.0	42.3	43.7	45.0
A	1,010	1,150	1,310	1,480	1,660	1,860	2,070	2,310	2,570
M	11.3	11.8	12.3	12.9	13.5	14.2	14.8	15.5	16.1
E	76.3	73.0	69.7	66.4	62.9	59.1	55.1	50.8	46.2
%									

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