

Rating Conditions

18.3 °C Return Gas
 0 K Subcooling
 35 °C Ambient Air Over
 50 Hz Operation

LOW TEMPERATURE

HFCs Require Use of Polyol Ester
 Lubricant Approved on Form 93-11

4DKNF63KE-FSD

COPELAMETIC® HFC-404A
 DISCUS® COMPRESSOR
 FSD 380/420-3-50

Condensing Temperature °C (Sat. Dew Pt. Pressure, bar) Evaporating Temperature °C (Sat. Dew Pt. Pressure, bar)

		-40.0 (1.3)	-35.0 (1.6)	-30.0 (2)	-25.0 (2.5)	-20.0 (3)	-18.0 (3.2)
54.0 (25.1)	C	6,550	9,500	12,550	16,000	19,900	21,700
	P	7,200	9,200	11,000	12,600	14,200	14,800
	A	16.5	18.9	21.3	23.6	26.0	27.0
	M	61.3	89	118.5	152	191	208
	E	0.9	1.0	1.1	1.3	1.4	1.5
	%	67.3	69.4	69.9	70.2	70.3	70.3
50.0 (23)	C	7,200	10,350	13,600	17,200	21,500	23,400
	P	7,400	9,200	10,800	12,300	13,700	14,200
	A	16.8	19.0	21.1	23.2	25.3	26.2
	M	63	90.5	120	153	193	210
	E	1.0	1.1	1.3	1.4	1.6	1.6
	%	65.2	68.1	69.3	70.0	70.4	70.4
40.0 (18.1)	C	9,400	12,900	16,700	21,000	26,000	28,300
	P	7,650	9,000	10,300	11,400	12,500	13,000
	A	17.0	18.7	20.3	21.9	23.5	24.1
	M	71	98	128	161	201	219
	E	1.2	1.4	1.6	1.8	2.1	2.2
	%	65.0	68.3	69.9	70.7	71.0	71.0
30.0 (14.1)	C	12,100	16,000	20,400	25,300	31,000	33,500
	P	7,450	8,600	9,600	10,500	11,400	11,800
	A	16.6	18.0	19.3	20.6	21.9	22.4
	M	81.5	108.5	138	173	214	232
	E	1.6	1.9	2.1	2.4	2.7	2.9
	%	68.6	70.8	71.6	71.6	70.8	70.2
20.0 (10.8)	C	15,000	19,500	24,400	30,000	36,500	39,500
	P	7,000	8,000	8,850	9,700	10,600	11,000
	A	16.3	17.5	18.7	19.8	20.9	21.4
	M	92	120	150	186	228	247
	E	2.2	2.4	2.8	3.1	3.5	3.6
	%	73.1	73.1	72.0	70.1	67.2	65.7
10.0 (8.2)	C	18,100	23,000	28,500	35,000	42,500	45,500
	P	6,350	7,350	8,250	9,100	10,100	10,500
	A	16.3	17.7	18.9	20.0	21.2	21.6
	M	101.5	130	161	198	242	261
	E	2.8	3.1	3.5	3.8	4.2	4.4
	%	76.1	72.8	68.7	63.9	58.0	55.4
5.0 (7)	C	19,600	24,800	30,500	37,500	45,000	48,500
	P	6,000	7,000	7,950	8,900	9,950	10,400
	A	16.7	18.1	19.4	20.7	21.9	22.3
	M	105	134	166	203	248	268
	E	3.3	3.5	3.8	4.2	4.5	4.7
	%	76.2	70.7	64.8	58.3	50.9	47.7

C: Capacity (W), P: Power (W), A: Current (Amps), M: Mass Flow (gm/s), E: COP, %: Isentropic Efficiency (%)

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V