

Rating Conditions

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

MEDIUM TEMPERATURE

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

4DKNR22ME-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)

		-20.0 (3)	-15.0 (3.6)	-10.0 (4.3)	-5.0 (5.1)	0.0 (6)	5.0 (7)	7.0 (7.5)
60.0 (28.7)	C	16,200	20,300	25,500	31,500	38,000	44,500	47,500
	P	14,400	15,900	17,500	19,100	20,700	22,200	22,800
	A	29.5	31.2	33.3	35.7	38.1	40.5	41.4
	M	175	222	282	353	435	525	564
	E	1.1	1.3	1.5	1.6	1.8	2.0	2.1
	%	67.7	69.4	71.3	72.3	72.1	70.4	69.4
50.0 (23)	C	21,100	26,100	32,500	39,500	47,500	56,000	59,500
	P	13,600	14,900	16,300	17,600	18,800	19,900	20,300
	A	28.3	30.1	31.9	33.8	35.6	37.1	37.7
	M	188	235	295	366	446	536	575
	E	1.6	1.8	2.0	2.3	2.5	2.8	2.9
	%	69.1	69.9	70.8	71.0	70.0	67.7	66.5
40.0 (18.1)	C	25,700	32,000	39,500	48,500	58,000	68,500	73,000
	P	12,600	13,800	14,800	15,800	16,700	17,300	17,500
	A	27.2	28.6	30.1	31.3	32.3	32.8	32.9
	M	198	249	311	384	468	561	601
	E	2.0	2.3	2.7	3.1	3.5	4.0	4.2
	%	69.4	69.9	70.5	70.2	68.6	65.7	64.1
30.0 (14.1)	C	30,500	38,500	47,500	58,000	69,500	82,000	87,500
	P	11,600	12,400	13,200	13,700	14,100	14,300	14,300
	A	26.0	27.1	27.9	28.3	28.3	27.6	27.2
	M	211	265	331	408	496	594	635
	E	2.7	3.1	3.6	4.2	4.9	5.7	6.1
	%	69.1	69.7	69.9	68.9	66.5	62.3	60.0
20.0 (10.8)	C	36,500	45,500	56,500	69,000	83,000	97,500	
	P	10,300	10,900	11,200	11,400	11,300	10,900	
	A	24.9	25.4	25.4	24.8	23.6	21.5	
	M	226	285	356	439	532	635	
	E	3.5	4.2	5.0	6.1	7.3	8.9	
	%	68.5	68.8	68.2	66.0	61.5	54.2	
10.0 (8.2)	C	43,500	54,500	67,500	82,000	98,000		
	P	9,000	9,150	9,050	8,750	8,100		
	A	24.0	23.6	22.7	20.9	18.3		
	M	247	311	388	476	575		
	E	4.8	6.0	7.4	9.4	12.1		
	%	66.6	65.8	63.3	57.8	47.9		

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