

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

6DPNR35ME-FSD

COPELAMETIC® HFC-507
 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 (3.1)	-15.0 (3.8)	-10.0 (4.5)	-5.0 (5.3)	0.0 (6.2)	5.0 (7.3)	7.0 (7.7)
60.0 (29.5)	C	25,100	31,500	39,000	47,500	57,500	69,500	74,500
	P	21,100	24,000	26,900	29,600	32,100	34,300	35,100
	A	41.3	45.4	49.6	53.6	57.4	60.9	62.2
	M	287	366	460	572	705	870	940
	E	1.2	1.3	1.5	1.6	1.8	2.0	2.1
	%	73.6	73.7	73.6	73.5	73.3	73.1	72.9
50.0 (23.6)	C	32,500	41,000	50,500	61,500	74,500	89,500	96,500
	P	20,400	22,800	25,100	27,200	29,100	30,700	31,200
	A	40.4	43.8	47.1	50.2	53.0	55.4	56.2
	M	303	384	479	594	730	900	975
	E	1.6	1.8	2.0	2.3	2.6	2.9	3.1
	%	72.4	72.6	72.6	72.4	72.1	71.6	71.2
40.0 (18.7)	C	40,000	50,000	61,500	75,000	90,500	109,000	117,000
	P	19,200	21,100	22,800	24,400	25,600	26,500	26,700
	A	38.8	41.4	43.8	46.0	47.8	49.1	49.5
	M	322	403	500	617	760	930	1,005
	E	2.1	2.4	2.7	3.1	3.5	4.1	4.4
	%	72.0	71.9	71.6	71.1	70.4	69.1	68.4
30.0 (14.6)	C	48,000	59,000	72,000	88,000	106,500	127,500	137,000
	P	17,500	18,800	20,000	20,900	21,500	21,600	21,600
	A	36.7	38.5	40.1	41.3	42.1	42.3	42.2
	M	340	422	520	640	785	955	1,035
	E	2.7	3.1	3.6	4.2	5.0	5.9	6.4
	%	71.8	71.2	70.3	69.0	67.2	64.5	63.0
20.0 (11.2)	C	56,000	68,000	83,000	100,500	121,500	146,000	
	P	15,300	16,100	16,600	16,900	16,700	16,200	
	A	34.4	35.4	36.1	36.3	36.1	35.2	
	M	359	440	539	660	805	980	
	E	3.7	4.2	5.0	6.0	7.3	9.0	
	%	71.4	69.9	67.9	65.2	61.2	55.1	
10.0 (8.5)	C	64,000	77,500	93,500	113,500	136,500		
	P	12,500	12,700	12,600	12,200	11,300		
	A	32.1	32.3	32.1	31.4	30.1		
	M	375	456	555	675	825		
	E	5.1	6.1	7.4	9.3	12.0		
	%	70.5	67.5	63.4	57.4	47.8		

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 @ 380 V