

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

6DVNF13ME-AWD

COPELAMETIC® HFC-404A
 DISCUS® COMPRESSOR
 AWD 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	13,050	19,250	25,600	32,800	41,800	46,100
	P	15,450	19,700	23,900	27,900	31,800	33,300
	A	30.6	35.4	40.5	45.8	51.4	53.7
	M	122.5	180	241	312	399	440
	E	0.8	1.0	1.1	1.2	1.3	1.4
	%	62.8	65.7	65.5	65.2	65.6	66.0
50.0 (23)	C	15,000	21,700	28,400	36,000	45,400	49,900
	P	15,850	19,800	23,700	27,500	31,100	32,500
	A	31.1	35.7	40.4	45.4	50.6	52.8
	M	131.5	190	250	321	407	447
	E	1.0	1.1	1.2	1.3	1.5	1.5
	%	63.4	66.3	65.9	65.3	65.4	65.6
40.0 (18.1)	C	20,100	28,100	36,000	44,900	55,500	60,400
	P	16,300	19,550	22,700	25,900	29,000	30,100
	A	31.7	35.5	39.4	43.5	48.0	49.9
	M	152	213	274	344	430	469
	E	1.2	1.4	1.6	1.7	1.9	2.0
	%	65.2	68.4	67.8	66.4	65.5	65.3
30.0 (14.1)	C	24,600	34,100	43,600	53,900	66,000	71,500
	P	16,100	18,600	21,200	23,700	26,300	27,300
	A	31.4	34.3	37.4	40.8	44.5	46.1
	M	166	231	295	367	453	493
	E	1.5	1.8	2.1	2.3	2.5	2.6
	%	65.0	69.4	69.1	67.3	65.3	64.6
20.0 (10.8)	C	27,200	38,600	49,900	62,000	75,900	82,100
	P	15,400	17,300	19,250	21,300	23,300	24,200
	A	30.3	32.5	34.9	37.5	40.4	41.7
	M	168	238	307	383	471	512
	E	1.8	2.2	2.6	2.9	3.3	3.4
	%	60.4	67.1	67.9	66.0	63.1	61.9
10.0 (8.2)	C	26,900	40,400	53,900	68,100	84,000	91,000
	P	14,600	15,850	17,300	18,800	20,400	21,100
	A	28.9	30.3	32.0	33.9	36.1	37.1
	M	151	229	305	386	479	521
	E	1.8	2.6	3.1	3.6	4.1	4.3
	%	49.3	59.3	61.9	60.4	56.7	54.8
5.0 (7)	C	25,300	40,000	54,600	70,000	87,000	94,500
	P	14,250	15,200	16,350	17,650	19,050	19,650
	A	28.1	29.2	30.5	32.1	34.0	34.8
	M	134.5	217	297	381	477	520
	E	1.8	2.6	3.3	4.0	4.6	4.8
	%	41.1	52.9	56.5	55.3	51.2	49.0

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