

RATING CONDITIONS

18.3 C Return Gas
0 K Subcooling
35 C Ambient Air Over

50 Hz Operation

HIGH TEMPERATURE

9RS1-1505-FSM

COPELAMETIC® HCFC-22
COMPRESSOR
FSM 380/420-3-50

Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-15(3)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	10(6.8)	12(7.2)
62 (25)	C	10950	14400	18600	23600	29400	36000	39000
	P	8150	9900	11400	12700	13800	14800	15100
	A	21.1	23.5	25.8	27.9	29.8	31.6	32.3
	M	77	102	133	170	215	268	291
	E	1.3	1.5	1.6	1.9	2.1	2.4	2.6
	%	61.4	59.8	60	61	61.9	62.5	62.6
	C	11650	15300	19700	24900	31000	38000	41000
	P	8250	9950	11400	12600	13700	14600	14900
	A	21.2	23.5	25.6	27.6	29.4	31.1	31.8
	M	80	106	138	176	221	275	299
60 (24)	E	1.4	1.5	1.7	2	2.3	2.6	2.8
	%	61.7	60.4	60.8	61.7	62.5	63	62.9
	C	13300	17400	22300	28000	34500	42500	45500
	P	8450	9950	11200	12300	13200	13900	14200
	A	21.3	23.3	25.2	26.9	28.4	29.8	30.3
	M	87.5	115	148	188	235	291	315
	E	1.6	1.8	2	2.3	2.6	3	3.2
	%	62	61.5	62	62.9	63.5	63.4	63.2
	C	14950	19400	24700	31000	38000	46500	50000
	P	8500	9800	10900	11800	12600	13200	13400
55 (22)	A	21.3	23	24.6	26	27.3	28.5	28.9
	M	94	122.5	157	198	247	304	329
	E	1.8	2	2.3	2.6	3	3.5	3.7
	%	62.1	62	62.7	63.3	63.6	63	62.4
	C	16500	21300	27000	33500	41500	50000	54000
	P	8400	9550	10500	11200	11800	12300	12500
	A	21.2	22.7	24	25.2	26.2	27.1	27.5
	M	99.5	129	165	207	257	315	340
	E	2	2.2	2.6	3	3.5	4.1	4.3
	%	62.2	62.3	62.9	63.3	63	61.7	60.8
50 (19)	C	18000	23100	29200	36500	44500	53500	57500
	P	8150	9100	9900	10500	11000	11400	11500
	A	20.9	22.2	23.3	24.2	25	25.8	26
	M	104.5	135	171	214	265	323	349
	E	2.2	2.5	3	3.4	4	4.7	5
	%	62.3	62.4	62.8	62.7	61.7	59.5	58.1
	C	19500	24900	31500	38500	47500	57000	61000
	P	7750	8600	9250	9750	10100	10400	10500
	A	20.5	21.6	22.4	23.2	23.8	24.4	24.6
	M	109	140	177	220	271	330	356
45 (17)	E	2.5	2.9	3.4	4	4.7	5.5	5.8
	%	62.9	62.6	62.4	61.7	59.8	56.2	54.1
	C	20400	25900	32500	40000	49000	58500	63000
	P	7450	8250	8800	9250	9550	9750	9850
	A	20.2	21.2	21.9	22.6	23.1	23.6	23.7
	M	111.5	143	179	223	274	334	360
	E	2.7	3.1	3.7	4.3	5.1	6	6.4
	%	63.3	62.8	62.2	60.9	58.3	53.8	51.3
	C	22000	28500	36000	44500	54000	64000	69000
	P	7900	8800	9500	10100	10600	11000	11200

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 380 V

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