

RATING CONDITIONS

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

50 Hz Operation

HIGH TEMPERATURE

4RJ1-3000-FSD

COPELAMETIC® HCFC-22
 COMPRESSOR
 FSD 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)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	60 (24) C	22200	27900	35000	44000	53500	64500	69000
	P	15900	18900	21400	23400	25200	27000	27700
	A	43.7	46.1	49.4	53.3	57.5	61.5	63
	M	153	194	247	310	384	467	502
	E	1.4	1.5	1.6	1.9	2.1	2.4	2.5
	%	61.4	58.1	58	58.7	58.8	57.8	56.9
	55 (22) C	25200	31500	40000	49500	60000	72000	76500
	P	14700	17600	19900	21800	23500	25200	25900
	A	42.9	45.2	48.3	51.8	55.5	59	60.2
	M	165	209	265	331	408	493	530
E	1.7	1.8	2	2.3	2.6	2.9	3	
%	67.5	63.4	62.6	62.5	61.7	59.5	58.2	
50 (19) C	27900	35000	44000	54500	66000	79000	84000	
P	14100	16700	18700	20400	22000	23600	24300	
A	42	44.1	47	50.1	53.3	56.2	57.2	
M	175	222	280	349	428	517	554	
E	2	2.1	2.4	2.7	3	3.3	3.5	
%	70.1	66.1	65	64.4	62.9	59.7	57.9	
45 (17) C	30500	38500	48000	59500	72000	85500	91500	
P	13800	16100	17900	19300	20700	22100	22800	
A	40.9	42.9	45.5	48.3	51	53.3	54	
M	183	233	293	365	447	537	576	
E	2.2	2.4	2.7	3.1	3.5	3.9	4	
%	69.7	66.5	65.6	64.8	62.7	58.7	56.4	
40 (15) C	33000	41500	52000	64500	77500	92500	98500	
P	13700	15600	17100	18200	19300	20500	21100	
A	39.8	41.6	43.9	46.4	48.6	50.3	50.7	
M	191	243	306	380	464	557	596	
E	2.4	2.7	3.1	3.5	4	4.5	4.7	
%	67.6	65.6	65.1	64.2	61.6	56.8	54.1	
35 (14) C	35500	45000	56500	69500	83500	99000	106000	
P	13700	15200	16200	17000	17800	18700	19200	
A	38.7	40.3	42.3	44.4	46.1	47.2	47.4	
M	199	253	318	394	480	576	616	
E	2.6	3	3.5	4.1	4.7	5.3	5.5	
%	64.8	64.1	64.2	63.3	60.2	54.4	51.1	
30 (12) C	39000	49000	61000	74500	90000	106500	113500	
P	13600	14500	15000	15400	15800	16400	16700	
A	37.6	39	40.8	42.4	43.6	44.1	44	
M	209	264	332	410	498	595	635	
E	2.9	3.4	4	4.8	5.7	6.5	6.8	
%	62.4	62.9	63.6	62.7	59	51.7	47.8	
25 (10) C	42500	53000	66000	80500	96500	114000	121500	
P	13100	13500	13500	13400	13300	13500	13700	
A	36.5	37.8	39.3	40.5	41.2	41.1	40.7	
M	220	278	347	427	517	616	660	
E	3.2	3.9	4.9	6	7.2	8.4	8.8	
%	61.3	62.9	64.2	63.4	58.8	49.2	44.1	

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(%)