

RATING CONDITIONS

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

50 Hz Operation

HIGH TEMPERATURE

4RH1-2500-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	20900	24800	30000	37000	46000	56500	61000
	P	12900	14700	16500	18300	20000	21600	22300
	A	27.3	30.3	33.2	35.9	38.5	41.1	42.2
	M	144	172	212	264	329	409	445
	E	1.6	1.7	1.8	2	2.3	2.6	2.7
	%	71.1	66.4	64.5	63.9	63.6	63.1	62.7
	55 (22) C	22300	27200	33500	41500	51500	63000	68000
	P	12800	14400	16000	17600	19000	20400	21000
	A	27.1	29.8	32.3	34.7	36.9	39.2	40.1
	M	147	180	223	279	348	432	470
E	1.7	1.9	2.1	2.4	2.7	3.1	3.2	
%	68.7	66.2	65.4	65.3	65	64.2	63.6	
50 (19) C	23900	29600	37000	46000	56500	69000	74500	
P	12700	14100	15500	16800	18100	19300	19700	
A	26.8	29.2	31.4	33.4	35.3	37.2	37.9	
M	150	187	234	294	366	453	492	
E	1.9	2.1	2.4	2.7	3.1	3.6	3.8	
%	66.7	65.9	65.8	65.9	65.5	64.2	63.3	
45 (17) C	25600	32000	40000	50000	61500	75000	81000	
P	12400	13700	14900	16000	17100	18100	18400	
A	26.4	28.4	30.3	32	33.6	35.2	35.8	
M	154	194	245	307	382	471	511	
E	2.1	2.3	2.7	3.1	3.6	4.2	4.4	
%	65.1	65.3	65.8	65.8	65	63.1	61.9	
40 (15) C	27500	34500	43500	54000	66500	81000	87000	
P	12100	13200	14200	15100	16000	16800	17100	
A	25.8	27.5	29.1	30.5	31.8	33.1	33.6	
M	159	202	255	319	396	488	528	
E	2.3	2.6	3.1	3.6	4.2	4.8	5.1	
%	63.8	64.6	65.2	65	63.6	60.7	59	
35 (14) C	29500	37500	47000	58000	71500	86500	93000	
P	11700	12600	13500	14200	15000	15600	15800	
A	25	26.5	27.8	29	30	31	31.4	
M	164	209	264	330	409	502	543	
E	2.5	3	3.5	4.1	4.8	5.5	5.9	
%	62.7	63.7	64.1	63.2	60.9	56.8	54.4	
30 (12) C	31500	40000	50000	62000	76000	92000	99000	
P	11200	12000	12700	13300	13900	14400	14500	
A	24.1	25.4	26.5	27.4	28.2	29	29.3	
M	171	217	273	341	421	515	556	
E	2.8	3.4	4	4.7	5.5	6.4	6.8	
%	61.8	62.6	62.3	60.5	57	51.1	48.1	
25 (10) C	34000	43000	53500	66000	80500	97000	104500	
P	10600	11200	11800	12300	12700	13100	13200	
A	23.1	24.1	25	25.7	26.3	26.9	27.1	
M	178	225	282	350	431	525	567	
E	3.2	3.8	4.5	5.4	6.3	7.4	7.9	
%	61	61.1	59.8	56.7	51.4	43.4	39.4	

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(%)