

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

CRP5-0450-TFD

COPELAWELD® HCFC-22
 COMPRESSOR
 TFD 380/420-3-50

Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-23(2.2)	-20(2.4)	-15(3)	-10(3.5)	-5(4.2)	0(5)	5(5.8)	7(6.2)	10(6.8)	12.5(7.3)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	65 (27) C						8200	10500	11500	13100	14550
	P						4260	4780	4980	5250	5450
	A						8.4	9.3	9.6	10	10.4
	M						58.3	73.5	80	90.5	99.5
	E						1.9	2.2	2.3	2.5	2.7
	%						62.7	63.4	63.6	63.7	63.6
	60 (24) C					7000	9150	11600	12650	14300	15800
	P					3690	4200	4650	4820	5050	5200
	A					7.4	8.2	9	9.3	9.7	10
	M					47.9	61.8	77	83.5	94	103.5
	E					1.9	2.2	2.5	2.6	2.8	3
%					61.8	62.9	63.4	63.4	63.3	63.2	
55 (22) C				5850	7850	10100	12650	13750	15500	17100	
P				3140	3650	4100	4480	4610	4790	4920	
A				6.5	7.3	8	8.7	8.9	9.2	9.4	
M				38.5	51.2	65	80.5	87	97.5	107	
E				1.9	2.1	2.5	2.8	3	3.2	3.5	
%				60.4	62.2	62.9	63.1	63	62.8	62.5	
50 (19) C				6600	8700	11050	13700	14850	16700	18400	
P				3140	3580	3960	4270	4370	4510	4600	
A				6.5	7.2	7.8	8.3	8.5	8.7	8.9	
M				41.6	54.3	68	83.5	90.5	101	110	
E				2.1	2.4	2.8	3.2	3.4	3.7	4	
%				61	62.3	62.8	62.6	62.4	62	61.5	
45 (17) C			5350	7300	9500	11950	14750	16000	17900	19600	
P			2660	3090	3470	3780	4020	4100	4190	4240	
A			5.7	6.4	7	7.5	7.9	8	8.2	8.3	
M			33	44.5	57.1	71	86.5	93	104	113	
E			2	2.4	2.7	3.2	3.7	3.9	4.3	4.6	
%			59.2	61.4	62.2	62.3	61.8	61.5	60.8	60.1	
40 (15) C			6000	8050	10300	12900	15800	17100	19100	20900	
P			2640	3010	3320	3570	3740	3790	3840	3850	
A			5.7	6.3	6.7	7.1	7.4	7.5	7.6	7.6	
M			35.7	47.2	59.7	73.5	89.5	96	106.5	116	
E			2.3	2.7	3.1	3.6	4.2	4.5	5	5.4	
%			59.7	61.3	61.8	61.5	60.6	60.1	59.1	58	
35 (14) C		4800	6650	8750	11150	13800	16800	18100	20300	22200	
P		2230	2590	2900	3150	3330	3430	3450	3460	3440	
A		5.1	5.6	6.1	6.5	6.7	6.9	7	7	7	
M		27.7	38.2	49.6	62.2	76	92	98.5	109.5	119	
E		2.1	2.6	3	3.5	4.2	4.9	5.3	5.9	6.4	
%		56.9	59.7	60.8	60.9	60.3	58.9	58.1	56.6	55.1	
30 (12) C	4300	5350	7300	9500	11900	14700	17800	19200	21400	23400	
P	2010	2210	2520	2760	2950	3060	3100	3090	3060	3000	
A	4.8	5.1	5.5	5.9	6.2	6.3	6.4	6.4	6.3	6.3	
M	24.2	30	40.4	51.8	64.5	78.5	94	101	112	121.5	
E	2.1	2.4	2.9	3.4	4	4.8	5.8	6.2	7	7.8	
%	54.6	57.1	59.2	59.8	59.5	58.4	56.3	55.2	53	50.7	

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(%)