

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

CRN5-0500-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						9100	11500	12500	14150	15600
	P						4650	5200	5400	5700	5900
	A						9.6	10.5	10.8	11.3	11.6
	M						64.5	80.5	87	97.5	107
	E						2	2.2	2.3	2.5	2.6
	%						63.6	63.6	63.5	63.2	62.8
	60 (24) C					7900	10150	12600	13700	15400	17000
	P					4010	4560	5050	5200	5450	5650
	A					8.7	9.5	10.2	10.5	10.9	11.2
	M					53.8	68.5	84	90.5	101.5	111
	E					2	2.2	2.5	2.6	2.8	3
%					63.8	64.1	63.7	63.4	63	62.5	
55 (22) C				6650	8800	11100	13700	14850	16700	18300	
P				3400	3950	4430	4840	4980	5150	5300	
A				7.8	8.6	9.3	9.9	10.2	10.5	10.7	
M				44	57.3	71.5	87.5	94	105	114.5	
E				2	2.2	2.5	2.8	3	3.2	3.4	
%				63.6	64.3	64	63.4	63	62.5	61.9	
50 (19) C				7450	9650	12050	14800	16000	17900	19600	
P				3380	3850	4260	4590	4700	4850	4950	
A				7.8	8.4	9	9.5	9.7	10	10.1	
M				47.1	60.2	74.5	90	97	108	118	
E				2.2	2.5	2.8	3.2	3.4	3.7	4	
%				64.2	64.2	63.6	62.8	62.4	61.7	61	
45 (17) C			6100	8200	10450	12950	15800	17100	19200	21000	
P			2840	3310	3720	4050	4310	4400	4500	4560	
A			7	7.7	8.2	8.7	9.1	9.3	9.4	9.5	
M			37.8	49.8	62.7	77	93	100	111	121	
E			2.1	2.5	2.8	3.2	3.7	3.9	4.3	4.6	
%			63.4	64.1	63.7	63	61.9	61.5	60.6	59.8	
40 (15) C			6800	8900	11250	13900	16900	18300	20500	22500	
P			2810	3210	3550	3810	4000	4060	4110	4140	
A			7	7.5	8	8.4	8.7	8.7	8.8	8.9	
M			40.3	52.1	65	79.5	95.5	103	114.5	125	
E			2.4	2.8	3.2	3.6	4.2	4.5	5	5.4	
%			63.4	63.5	62.9	62	60.8	60.2	59.1	58	
35 (14) C		5400	7400	9600	12050	14850	18100	19500	21900	24000	
P		2330	2740	3080	3350	3540	3660	3690	3700	3690	
A		6.3	6.9	7.3	7.7	8	8.2	8.2	8.2	8.2	
M		31.4	42.4	54.2	67	82	98.5	106	118	129	
E		2.3	2.7	3.1	3.6	4.2	4.9	5.3	5.9	6.5	
%		61.7	62.8	62.6	61.9	60.8	59.3	58.5	57	55.5	
30 (12) C	4850	6000	8050	10300	12900	15800	19300	20800	23300	25600	
P	2060	2300	2640	2920	3120	3250	3300	3300	3270	3220	
A	5.9	6.3	6.7	7.1	7.4	7.6	7.6	7.7	7.6	7.6	
M	27.3	33.5	44.4	56.2	69.5	84.5	102	109.5	122	133	
E	2.4	2.6	3	3.5	4.1	4.9	5.8	6.3	7.1	7.9	
%	60.1	61.4	61.9	61.5	60.6	59.3	57.2	56.1	54	51.7	

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(%)