

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

CR47KQ-PFZ

COPELAWELD® HCFC-22
 COMPRESSOR
 PFZ 220/240-1-50

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						6750	8800	9650	11050	12250
	P						3820	4260	4420	4640	4800
	A						17.9	19.5	20.1	21	21.6
	M						48	61.5	67	76	84
	E						1.8	2.1	2.2	2.4	2.5
	%						57.5	59.5	60	60.5	60.8
	60 (24) C					5700	7600	9750	10700	12150	13450
	P					3320	3740	4110	4240	4420	4550
	A					16	17.5	18.9	19.4	20.1	20.6
	M					39.1	51.3	65	71	80	88
E					1.7	2	2.4	2.5	2.8	3	
%					56.1	58.7	60.5	61	61.4	61.4	
55 (22) C				4700	6400	8450	10750	11750	13250	14600	
P				2870	3260	3620	3930	4040	4180	4280	
A				14.5	15.8	17.1	18.3	18.7	19.2	19.6	
M				31.1	41.9	54.4	68.5	74	83.5	91.5	
E				1.6	2	2.3	2.7	2.9	3.2	3.4	
%				53.5	57	59.5	61.1	61.4	61.6	61.4	
50 (19) C				5250	7100	9250	11700	12750	14350	15700	
P				2840	3170	3480	3730	3820	3920	3990	
A				14.4	15.5	16.6	17.5	17.8	18.3	18.5	
M				33.4	44.5	57.2	71.5	77.5	86.5	94.5	
E				1.9	2.2	2.7	3.1	3.3	3.7	3.9	
%				54.1	57.5	59.9	61.1	61.3	61.1	60.7	
45 (17) C			4250	5850	7800	10100	12650	13700	15400	16900	
P			2470	2780	3070	3320	3520	3590	3660	3710	
A			13.3	14.2	15.2	16	16.8	17	17.3	17.5	
M			26.2	35.6	46.9	59.9	74	80	89.5	97.5	
E			1.7	2.1	2.5	3	3.6	3.8	4.2	4.5	
%			50.5	54.5	57.7	59.8	60.5	60.4	59.8	59	
40 (15) C			4700	6450	8500	10900	13550	14700	16400	17900	
P			2430	2700	2940	3150	3300	3350	3400	3420	
A			13.1	13.9	14.7	15.4	16	16.2	16.4	16.4	
M			28	37.7	49.3	62.4	76.5	82.5	92	100	
E			1.9	2.4	2.9	3.5	4.1	4.4	4.8	5.3	
%			50.9	54.7	57.5	59	59	58.6	57.5	56.2	
35 (14) C		3800	5200	7050	9250	11750	14500	15700	17500	19000	
P		2130	2370	2600	2800	2970	3080	3110	3140	3140	
A		12.3	12.9	13.6	14.3	14.8	15.3	15.4	15.5	15.5	
M		22	29.9	39.8	51.5	65	79	85	94.5	102.5	
E		1.8	2.2	2.7	3.3	4	4.7	5	5.6	6	
%		47.2	51.1	54.6	56.8	57.5	56.5	55.6	53.8	51.8	
30 (12) C	3500	4250	5750	7700	10000	12600	15400	16600	18500	20100	
P	1970	2090	2290	2480	2650	2780	2870	2880	2890	2870	
A	11.9	12.2	12.7	13.3	13.8	14.3	14.6	14.6	14.6	14.6	
M	19.9	23.7	31.8	42	53.8	67	81.5	87.5	96.5	104.5	
E	1.8	2	2.5	3.1	3.8	4.5	5.4	5.8	6.4	7	
%	45.8	47.7	51.2	54	55.4	55	52.7	51.2	48.5	45.5	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 220 V

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