

**RATING CONDITIONS**

11.1 K Superheat  
 8.3 K Subcooling  
 35 C Ambient Air Over

50 Hz Operation

# AIR CONDITIONING

**CR47KQ-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						6750	8600	9450	10750	11900
	P						3800	4250	4420	4640	4800
	A						6.9	7.5	7.8	8.1	8.3
	M						47.7	60.2	65.5	74	81.5
	E						1.8	2	2.1	2.3	2.5
	%						57.6	58.4	58.6	58.8	58.8
	60 (24) C					5750	7500	9550	10450	11800	13050
	P					3260	3690	4080	4210	4390	4520
	A					6.2	6.7	7.3	7.5	7.7	7.9
	M					39.5	50.8	63.5	69	77.5	85
E					1.8	2	2.3	2.5	2.7	2.9	
%					57.6	58.8	59.6	59.7	59.8	59.8	
55 (22) C				4850	6450	8300	10500	11400	12900	14150	
P				2770	3180	3560	3880	3980	4130	4220	
A				5.5	6.1	6.6	7	7.1	7.3	7.5	
M				32	42	53.6	66.5	72.5	81	88.5	
E				1.7	2	2.3	2.7	2.9	3.1	3.4	
%				56.9	58.5	59.7	60.4	60.5	60.5	60.3	
50 (19) C				5350	7100	9150	11400	12400	13950	15300	
P				2730	3080	3400	3660	3740	3850	3910	
A				5.5	5.9	6.3	6.7	6.8	6.9	7	
M				34.1	44.5	56.4	69.5	75.5	84	91.5	
E				2	2.3	2.7	3.1	3.3	3.6	3.9	
%				57.4	59.2	60.5	60.9	60.9	60.6	60.1	
45 (17) C			4400	5950	7800	9950	12350	13400	15000	16400	
P			2320	2660	2960	3220	3420	3490	3560	3600	
A			5	5.4	5.8	6.1	6.4	6.4	6.5	6.6	
M			27.1	36.2	46.9	59.1	72.5	78	87	94.5	
E			1.9	2.2	2.6	3.1	3.6	3.8	4.2	4.6	
%			55.6	58	59.8	60.8	60.9	60.6	60	59.2	
40 (15) C			4850	6550	8500	10800	13300	14350	16000	17500	
P			2280	2560	2820	3030	3180	3230	3270	3280	
A			4.9	5.3	5.6	5.8	6	6.1	6.1	6.2	
M			28.8	38.3	49.3	61.6	75	81	90	97.5	
E			2.1	2.5	3	3.6	4.2	4.5	4.9	5.3	
%			55.9	58.4	60	60.6	60	59.5	58.4	57.2	
35 (14) C		3900	5350	7150	9250	11600	14250	15400	17100	18600	
P		1940	2210	2450	2670	2830	2940	2970	2980	2970	
A		4.5	4.8	5.1	5.4	5.6	5.7	5.7	5.8	5.7	
M		22.6	30.6	40.3	51.6	64	78	83.5	92.5	100	
E		2	2.4	2.9	3.5	4.1	4.8	5.2	5.7	6.3	
%		53.3	56.2	58.5	59.7	59.6	58.2	57.3	55.5	53.6	
30 (12) C	3550	4300	5900	7800	10000	12450	15200	16300	18100	19700	
P	1750	1890	2120	2330	2510	2630	2700	2710	2700	2670	
A	4.4	4.5	4.7	5	5.2	5.3	5.4	5.4	5.4	5.4	
M	19.9	24.1	32.4	42.4	53.8	66.5	80	86	95	102.5	
E	2	2.3	2.8	3.3	4	4.7	5.6	6	6.7	7.3	
%	51.6	53.5	56.3	58.1	58.6	57.6	55	53.6	50.8	47.9	

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(%)**