

**RATING CONDITIONS**

11.1 K Superheat  
 8.3 K Subcooling  
 35 C Ambient Air Over

50 Hz Operation

# AIR CONDITIONING

**CR37KQ-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						5150	6650	7300	8350	9300
	P						2740	3080	3210	3390	3540
	A						5.4	5.8	6	6.2	6.4
	M						36.6	46.5	50.8	57.6	63.5
	E						1.9	2.2	2.3	2.5	2.6
	%						61.1	62.2	62.5	62.6	62.4
	60 (24) C					4400	5800	7400	8100	9250	10250
	P					2360	2690	2990	3110	3260	3390
	A					4.9	5.3	5.7	5.8	6	6.2
	M					30	39	49.3	53.7	60.6	66.5
	E					1.9	2.1	2.5	2.6	2.8	3
%					60.4	62.1	63	63.1	63	62.6	
55 (22) C				3600	4900	6400	8150	8900	10100	11150	
P				2010	2330	2620	2890	2980	3120	3220	
A				4.5	4.9	5.2	5.5	5.7	5.8	6	
M				24	32	41.4	51.9	56.4	63.5	69.5	
E				1.8	2.1	2.5	2.8	3	3.2	3.5	
%				58.7	61	62.6	63.2	63.2	62.8	62.2	
50 (19) C				4050	5450	7050	8900	9700	11000	12100	
P				1990	2270	2530	2760	2850	2960	3050	
A				4.5	4.8	5.1	5.4	5.5	5.6	5.7	
M				25.7	34	43.7	54.4	59	66	72.5	
E				2	2.4	2.8	3.2	3.4	3.7	4	
%				59.2	61.5	62.8	62.9	62.7	61.9	61	
45 (17) C			3250	4500	6000	7700	9700	10500	11850	13000	
P			1690	1960	2210	2430	2630	2700	2800	2860	
A			4.1	4.4	4.7	5	5.2	5.3	5.4	5.5	
M			20.1	27.4	36	45.8	56.8	61.4	68.5	75	
E			1.9	2.3	2.7	3.2	3.7	3.9	4.2	4.5	
%			56.6	59.5	61.5	62.4	62	61.5	60.3	58.9	
40 (15) C			3650	4950	6550	8400	10450	11300	12700	13900	
P			1680	1910	2130	2320	2490	2540	2620	2670	
A			4.1	4.4	4.6	4.8	5	5.1	5.2	5.3	
M			21.6	29.1	37.9	47.9	59	63.5	71	77.5	
E			2.2	2.6	3.1	3.6	4.2	4.5	4.8	5.2	
%			56.9	59.6	61.2	61.5	60.3	59.4	57.7	55.7	
35 (14) C		2900	4050	5450	7150	9050	11200	12100	13550	14800	
P		1420	1640	1850	2040	2200	2340	2380	2440	2480	
A		3.9	4.1	4.3	4.5	4.7	4.8	4.9	5	5	
M		16.8	23.1	30.9	39.8	50	61.1	66	73.5	79.5	
E		2	2.5	3	3.5	4.1	4.8	5.1	5.6	6	
%		54.1	57.1	59.3	60.3	59.8	57.6	56.3	53.8	51.2	
30 (12) C	2670	3250	4500	6000	7750	9750	11950	12900	14400	15700	
P	1290	1410	1600	1780	1940	2070	2180	2220	2260	2280	
A	3.7	3.9	4	4.2	4.4	4.5	4.7	4.7	4.7	4.8	
M	15	18.3	24.8	32.6	41.7	52	63	68	75.5	81.5	
E	2.1	2.3	2.8	3.4	4	4.7	5.5	5.8	6.4	6.9	
%	52.9	54.5	57.1	58.6	58.7	57.1	53.7	51.8	48.4	44.9	

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(%)**