

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZP57K3E-TFD

HFC-410A
 COPELAND SCROLL®
 TFD 380/420-3-50

Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-20(4)	-15(4.8)	-10(5.7)	-5(6.8)	0(8)	5(9.3)	7(9.9)	10(10.8)	12(11.5)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	65 (43) C						10550	11450	12850	13850
	P						6050	6000	5900	5850
	A						9.9	9.9	9.8	9.7
	M						78.5	84.5	94	100.5
	E						1.7	1.9	2.2	2.4
	%						58.4	60.7	63.7	65.6
	60 (38) C					9550	11700	12600	14100	15100
	P					5450	5350	5300	5250	5200
	A					9.2	9	9	8.9	8.8
	M					66.5	80.5	86	95.5	102
E					1.8	2.2	2.4	2.7	2.9	
%					57	62.7	64.6	67.2	68.7	
55 (34) C				8500	10500	12750	13700	15200	16300	
P				4890	4800	4710	4680	4630	4600	
A				8.4	8.3	8.2	8.2	8.1	8.1	
M				56	68	82	87.5	97	103	
E				1.7	2.2	2.7	2.9	3.3	3.5	
%				55.6	61.7	66.5	68.1	70.1	71.1	
50 (31) C			7500	9350	11400	13700	14700	16300	17500	
P			4370	4290	4220	4150	4120	4090	4060	
A			7.8	7.7	7.6	7.5	7.5	7.5	7.4	
M			46.9	57.7	69.5	83	88.5	97.5	104	
E			1.7	2.2	2.7	3.3	3.6	4	4.3	
%			54.3	60.7	65.8	69.7	70.8	72.1	72.6	
45 (27) C		6500	8200	10100	12200	14650	15700	17400	18600	
P		3880	3820	3760	3700	3650	3630	3600	3580	
A		7.2	7.1	7.1	7	6.9	6.9	6.9	6.9	
M		39	48.5	59	70.5	84	89.5	98.5	105	
E		1.7	2.1	2.7	3.3	4	4.3	4.8	5.2	
%		52.7	59.5	65.1	69.3	72	72.7	73.1	73	
40 (24) C	5550	7100	8850	10800	13000	15500	16600	18400	19600	
P	3440	3390	3340	3290	3250	3200	3180	3160	3140	
A	6.7	6.6	6.6	6.5	6.5	6.4	6.4	6.4	6.4	
M	32	40.5	49.7	60	71.5	84.5	90	99.5	105.5	
E	1.6	2.1	2.6	3.3	4	4.8	5.2	5.8	6.3	
%	50.8	58.2	64.1	68.7	71.8	73.3	73.3	72.7	71.9	
35 (21) C	6050	7600	9400	11450	13750	16400	17500	19400	20700	
P	3000	2960	2930	2890	2850	2810	2790	2760	2740	
A	6.2	6.2	6.1	6.1	6.1	6	6	6	5.9	
M	33.3	41.5	50.6	60.8	72	85	91	100	106.5	
E	2	2.6	3.2	4	4.8	5.8	6.3	7	7.5	
%	56.2	62.7	67.6	71.2	73	72.9	72.3	70.5	68.8	
30 (19) C	6500	8100	9950	12050	14450	17200	18400	20300	21700	
P	2630	2610	2580	2540	2500	2450	2430	2400	2370	
A	5.8	5.8	5.8	5.7	5.7	5.7	5.6	5.6	5.6	
M	34.3	42.3	51.2	61.3	73	86	91.5	100.5	107	
E	2.5	3.1	3.9	4.7	5.8	7	7.6	8.5	9.2	
%	60.5	66	69.9	72.3	72.7	70.9	69.4	66.2	63.4	

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(%)