

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZR42K3E-TFD

HFC-407C - Dew Pt
 COPELAND SCROLL®
 TFD 380/420-3-50

Evaporating Temperature C (Sat Dew Pt Pressure, bar)

		-20(2.2)	-15(2.6)	-10(3.2)	-5(3.9)	0(4.6)	5(5.5)	7(5.8)	10(6.4)	12.5(7)
Condensing Temperature C (Sat Dew Pt Pressure, bar)	65 (28) C						7500	8150	9150	10100
	P						4190	4160	4110	4080
	A						6.7	6.7	6.6	6.5
	M						53.6	57.8	64.5	70.5
	E						1.8	2	2.2	2.5
	%						54.5	56.8	59.9	62.2
	60 (25) C					6650	8200	8900	10000	10950
	P					3710	3640	3610	3580	3560
	A					6.1	6	5.9	5.9	5.9
	M					45.5	55.1	59.3	66	72
E					1.8	2.3	2.5	2.8	3.1	
%					54.2	59.9	62	64.7	66.6	
55 (22) C				5850	7250	8850	9600	10750	11800	
P				3280	3220	3170	3160	3130	3120	
A				5.5	5.4	5.4	5.4	5.3	5.3	
M				38.2	46.7	56.2	60.4	67	73	
E				1.8	2.3	2.8	3	3.4	3.8	
%				53.6	59.6	64.7	66.4	68.5	69.9	
50 (20) C			5050	6300	7800	9500	10250	11450	12550	
P			2910	2850	2810	2780	2770	2750	2740	
A			5.1	5	4.9	4.9	4.9	4.9	4.9	
M			31.8	39.2	47.6	57.1	61.2	68	73.5	
E			1.7	2.2	2.8	3.4	3.7	4.2	4.6	
%			52.3	58.6	64.1	68.3	69.7	71.2	71.9	
45 (18) C		4300	5450	6750	8300	10050	10850	12100	13250	
P		2570	2530	2490	2470	2440	2430	2420	2420	
A		4.7	4.6	4.6	4.5	4.5	4.5	4.5	4.5	
M		26.2	32.6	39.9	48.2	57.7	61.8	68.5	74	
E		1.7	2.1	2.7	3.4	4.1	4.5	5	5.5	
%		50.5	57.1	62.9	67.6	70.8	71.7	72.4	72.3	
40 (15) C	3550	4600	5800	7150	8750	10650	11450	12750	13950	
P	2280	2240	2210	2190	2170	2150	2140	2130	2120	
A	4.3	4.3	4.3	4.2	4.2	4.2	4.2	4.2	4.2	
M	21.2	26.8	33.1	40.4	48.7	58.2	62.3	69	75	
E	1.6	2	2.6	3.3	4	5	5.3	6	6.6	
%	48.1	55	61.1	66.2	70	72	72.3	72	71	
35 (13) C	3850	4900	6100	7550	9250	11150	12050	13400	14650	
P	1980	1960	1940	1920	1900	1880	1870	1860	1850	
A	4	4	4	4	3.9	3.9	3.9	3.9	3.9	
M	21.7	27.2	33.6	40.8	49.1	58.6	62.8	69.5	75.5	
E	1.9	2.5	3.1	3.9	4.9	5.9	6.4	7.2	7.9	
%	52.3	58.9	64.4	68.7	71.4	72	71.6	70.1	68	
30 (12) C	4100	5150	6450	7950	9700	11700	12600	14050	15300	
P	1730	1710	1700	1680	1650	1630	1620	1600	1590	
A	3.8	3.8	3.7	3.7	3.7	3.7	3.7	3.7	3.7	
M	22.1	27.6	33.9	41.2	49.6	59.1	63.5	70	76	
E	2.4	3	3.8	4.7	5.9	7.2	7.8	8.8	9.7	
%	56.2	62.2	67.1	70.5	71.9	70.9	69.6	66.7	63.2	
27 (11) C	4250	5350	6650	8200	9950	12050	12950	14450	15800	
P	1590	1580	1560	1530	1510	1470	1460	1440	1420	
A	3.6	3.6	3.6	3.6	3.5	3.5	3.5	3.5	3.5	
M	22.3	27.8	34.2	41.5	49.9	59.5	63.5	70.5	76.5	
E	2.6	3.4	4.3	5.3	6.6	8.2	8.9	10	11.1	
%	58.4	64.2	68.7	71.5	72.1	69.8	68	63.9	59.3	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 400 V

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