

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZR160KCE-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						27800	30700	35200	39400
	P						14700	14700	14650	14600
	A						24.95	24.95	24.95	24.9
	M						199	218	247	274
	E						1.9	2.1	2.4	2.7
	%						57.7	60.5	64.5	67.5
	60 (25) C					24100	30800	33800	38600	42900
	P					13100	13050	13050	13000	13000
	A					22.6	22.65	22.65	22.6	22.55
	M					165	207	225	255	281
	E					1.8	2.4	2.6	3	3.3
	%					55.7	62.8	65.3	68.8	71.3
55 (22) C				20600	26700	33700	36800	41800	46400	
P				11600	11600	11600	11600	11600	11600	
A				20.55	20.65	20.65	20.65	20.65	20.6	
M				135	172	213	232	261	287	
E				1.8	2.3	2.9	3.2	3.6	4	
%				53.6	60.9	67.2	69.4	72.2	74.1	
50 (20) C			17400	22800	29100	36500	39700	45000	49700	
P			10250	10300	10300	10300	10350	10350	10350	
A			18.8	18.95	19	19	19	19	19	
M			110	141.5	178	219	237	266	292	
E			1.7	2.2	2.8	3.5	3.8	4.3	4.8	
%			51.2	58.8	65.3	70.7	72.3	74.3	75.4	
45 (18) C		14500	19300	24900	31500	39200	42500	48000	52900	
P		9040	9090	9140	9180	9230	9260	9290	9330	
A		17.35	17.45	17.55	17.6	17.65	17.65	17.65	17.7	
M		88.5	115.5	147	183	224	242	271	297	
E		1.6	2.1	2.7	3.4	4.2	4.6	5.2	5.7	
%		48.6	56.4	63.3	68.9	72.8	73.8	74.7	74.7	
40 (15) C	11850	16100	21100	26900	33800	41700	45200	50900	55900	
P	7950	8030	8090	8150	8210	8290	8320	8380	8430	
A	16.1	16.2	16.3	16.4	16.45	16.5	16.55	16.55	16.6	
M	70.5	94	121	152	187	228	246	275	300	
E	1.5	2	2.6	3.3	4.1	5	5.4	6.1	6.6	
%	45.7	53.8	60.9	66.8	71	73.3	73.5	73	71.8	
35 (13) C	13250	17650	22800	28800	35900	44100	47800	53600	58900	
P	7070	7150	7220	7290	7370	7460	7500	7580	7650	
A	15.15	15.25	15.35	15.4	15.45	15.55	15.6	15.65	15.75	
M	75	98.5	125	156	191	232	249	278	303	
E	1.9	2.5	3.2	4	4.9	5.9	6.4	7.1	7.7	
%	50.9	58.3	64.5	69.1	71.6	71.7	71	68.9	66.3	
30 (12) C	14600	19100	24400	30700	38000	46400	50200	56200	61600	
P	6300	6370	6450	6530	6620	6730	6780	6870	6950	
A	14.35	14.4	14.45	14.55	14.6	14.75	14.8	14.9	15	
M	79	102	128.5	159	194	234	252	280	305	
E	2.3	3	3.8	4.7	5.7	6.9	7.4	8.2	8.9	
%	55.4	61.9	66.9	69.8	70.3	67.9	66.1	62.2	57.9	
27 (11) C	15350	19950	25300	31700	39100	47700	51600	57700	63200	
P	5880	5950	6020	6110	6200	6330	6380	6480	6570	
A	13.9	13.9	13.95	14.05	14.15	14.3	14.4	14.5	14.65	
M	81.5	104	130.5	161	196	235	253	281	306	
E	2.6	3.4	4.2	5.2	6.3	7.5	8.1	8.9	9.6	
%	57.7	63.6	67.7	69.5	68.6	64.5	61.8	56.7	51.3	

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(%)