

RATING CONDITIONS

11.1 K Superheat
 8.3 K Subcooling
 35 C Ambient Air Over

50 Hz Operation

AIR CONDITIONING

ZP154KCE-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						28000	30000	33500	36000
	P						14500	14500	14600	14600
	A						25.3	25.4	25.5	25.5
	M						208	222	246	262
	E						1.9	2.1	2.3	2.5
	%						64.5	65.9	67.5	68.5
	60 (38) C					25900	31000	33500	37000	39500
	P					12900	13000	13000	13100	13100
	A					22.8	23	23	23.1	23.1
	M					180	214	229	252	268
E					2	2.4	2.6	2.8	3	
%					65.1	68.6	69.7	71	71.6	
55 (34) C				23500	28500	34000	36500	40500	43000	
P				11500	11600	11700	11700	11700	11800	
A				20.6	20.8	20.9	20.9	21	21.1	
M				154	185	219	234	257	273	
E				2	2.5	2.9	3.1	3.4	3.7	
%				65.1	69.2	71.9	72.6	73.3	73.5	
50 (31) C			20900	25600	31000	37000	39500	43500	46500	
P			10300	10300	10400	10500	10500	10600	10600	
A			18.8	18.9	19	19.1	19.2	19.2	19.3	
M			131	158	189	223	237	261	277	
E			2	2.5	3	3.5	3.7	4.1	4.4	
%			64.4	69.1	72.3	74.1	74.4	74.3	74	
45 (27) C		18100	22600	27500	33000	39500	42000	46500	49500	
P		9100	9200	9250	9350	9450	9450	9550	9600	
A		17.1	17.2	17.3	17.4	17.6	17.6	17.7	17.8	
M		109	134	161	191	225	240	264	280	
E		2	2.5	3	3.5	4.2	4.4	4.9	5.2	
%		62.7	68.3	72.1	74.3	74.9	74.7	73.7	72.8	
40 (24) C	15400	19600	24200	29200	35000	41500	44500	49000	52500	
P	8100	8150	8200	8300	8400	8500	8550	8650	8700	
A	15.7	15.8	15.9	16	16.1	16.3	16.3	16.5	16.5	
M	89	112	136	163	193	227	242	266	283	
E	1.9	2.4	2.9	3.5	4.2	4.9	5.2	5.7	6	
%	60.1	66.7	71.2	74	74.9	74.1	73.2	71.2	69.5	
35 (21) C	16700	20900	25600	31000	37000	44000	47000	52000	55500	
P	7250	7300	7400	7450	7550	7700	7750	7850	7950	
A	14.6	14.7	14.7	14.9	15	15.2	15.3	15.4	15.5	
M	92	114	138	164	194	229	244	268	285	
E	2.3	2.9	3.5	4.1	4.9	5.7	6	6.6	7	
%	64.2	69.6	73	74.4	73.9	71.3	69.6	66.4	63.8	
30 (19) C	17900	22100	26900	32500	38500	46000	49500	54500	58500	
P	6500	6550	6600	6750	6850	7000	7100	7200	7300	
A	13.6	13.7	13.8	13.9	14.1	14.3	14.4	14.5	14.6	
M	94	115	139	165	195	230	245	270	288	
E	2.8	3.4	4.1	4.8	5.7	6.6	7	7.6	8	
%	67.5	71.7	73.6	73.5	71.1	66.4	63.8	59.2	55.5	

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(%)