

**RATING CONDITIONS**

11.1 K Superheat  
 8.3 K Subcooling  
 35 C Ambient Air Over

50 Hz Operation

# AIR CONDITIONING

**ZP182KCE-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)
<b>Condensing Temperature C (Sat Dew Pt Pressure, bar)</b>	65 (43) C						33500	36000	40000	43000
	P						16900	16900	16900	16900
	A						31.6	31.6	31.6	31.6
	M						248	265	292	311
	E						2	2.1	2.4	2.5
	%						66	67.4	69.3	70.3
	60 (38) C					30500	37000	39500	44000	47000
	P					15100	15100	15100	15200	15200
	A					28.8	28.8	28.8	28.9	28.9
	M					214	253	270	298	317
E					2	2.4	2.6	2.9	3.1	
%					66.3	69.8	71	72.3	73	
55 (34) C				27800	33500	40000	43000	47500	51000	
P				13500	13500	13600	13600	13700	13700	
A				26.3	26.4	26.5	26.5	26.6	26.6	
M				183	218	258	275	302	322	
E				2.1	2.5	3	3.2	3.5	3.7	
%				66	70	72.7	73.4	74.2	74.5	
50 (31) C			24700	30000	36500	43500	46500	51500	55000	
P			12000	12100	12100	12200	12300	12400	12400	
A			24.1	24.2	24.4	24.5	24.5	24.6	24.7	
M			155	186	221	261	278	306	326	
E			2.1	2.5	3	3.5	3.8	4.2	4.4	
%			65.2	69.6	72.6	74.3	74.6	74.7	74.5	
45 (27) C		21500	26600	32500	39000	46000	49500	54500	58500	
P		10700	10800	10900	11000	11100	11100	11200	11200	
A		22.2	22.4	22.5	22.7	22.8	22.9	23	23	
M		129	157	189	224	264	281	309	330	
E		2	2.5	3	3.5	4.2	4.4	4.9	5.2	
%		63.4	68.5	72	74	74.6	74.5	73.7	72.9	
40 (24) C	18200	23100	28400	34500	41000	49000	52500	58000	62000	
P	9500	9600	9700	9800	9900	10000	10100	10200	10200	
A	20.6	20.8	21	21.1	21.3	21.4	21.5	21.6	21.6	
M	105.5	131	159	190	226	266	284	312	333	
E	1.9	2.4	2.9	3.5	4.1	4.9	5.2	5.7	6.1	
%	60.6	66.8	70.8	73.2	74.1	73.4	72.7	71.1	69.7	
35 (21) C	19600	24600	30000	36000	43000	51500	55000	61000	65500	
P	8550	8650	8750	8850	9000	9100	9150	9200	9250	
A	19.4	19.6	19.8	19.9	20	20.2	20.2	20.3	20.4	
M	108	133	161	192	227	268	286	315	336	
E	2.3	2.8	3.4	4.1	4.8	5.7	6	6.6	7.1	
%	64	69	71.9	73.2	72.8	70.7	69.3	66.6	64.4	
30 (19) C	21000	25900	31500	38000	45500	54000	58000	64500	69000	
P	7700	7800	7900	8000	8150	8250	8250	8300	8350	
A	18.4	18.6	18.7	18.8	19	19.1	19.1	19.2	19.3	
M	110	135	162	193	228	270	288	318	339	
E	2.7	3.3	4	4.7	5.6	6.6	7	7.7	8.3	
%	66.5	70.3	72	72	70.2	66.4	64.3	60.3	57.1	

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(%)**