

RATING CONDITIONS

20 °F Superheat
 15 °F Subcooling
 95 °F Ambient Air Over

60 Hz Operation

AIR CONDITIONING

ZP180KCE-TWD

HFC-410A
 COPELAND SCROLL®
 TWD 460-3-60

Evaporating Temperature °F (Sat Dew Pt Pressure, psig)

		-10(36)	0(48)	5(55)	15(70)	25(87)	35(107)	45(130)	50(142)	55(155)
Condensing Temperature °F (Sat Dew Pt Pressure, psig)	150 (611)C							151000	167000	184000
	P							20500	20600	20600
	A							28.3	28.3	28.4
	M							2610	2860	3130
	E							7.4	8.1	8.9
	%							69.3	71	72.5
	140 (540)C						136000	166000	183000	201000
	P						18100	18200	18200	18300
	A						25.4	25.4	25.5	25.5
	M						2180	2630	2880	3150
E						7.5	9.1	10	11	
%						68.4	72.2	73.6	74.6	
130 (475)C						120000	148000	180000	198000	218000
P						16000	16000	16100	16100	16200
A						22.9	22.9	23	23	23.1
M						1810	2200	2650	2900	3170
E						7.5	9.2	11.2	12.3	13.4
%						67.1	71.4	74.4	75.2	75.4
125 (446)C					100000	125000	154000	187000	206000	226000
P					15000	15100	15100	15200	15200	15300
A					21.7	21.8	21.8	21.9	22	22.1
M					1490	1820	2210	2670	2920	3180
E					6.7	8.3	10.2	12.3	13.5	14.7
%					63.8	68.7	72.7	75.1	75.5	75.2
115 (390)C				86000	108000	134000	165000	200000	220000	241000
P				13300	13400	13400	13400	13500	13600	13800
A				19.6	19.7	19.8	19.8	20	20.1	20.3
M				1220	1510	1840	2240	2690	2940	3200
E				6.5	8.1	10.1	12.3	14.8	16.2	17.5
%				61.7	66.9	71.4	74.5	75.3	74.5	72.9
105 (340)C			82500	92500	116000	144000	176000	213000	234000	256000
P			11800	11800	11800	11900	11900	12200	12400	12600
A			17.8	17.9	18	18.1	18.2	18.5	18.6	18.9
M			1110	1240	1530	1860	2250	2700	2950	3220
E			7	7.8	9.8	12.1	14.7	17.5	18.9	20.3
%			62	64.7	69.6	73.2	74.7	73.1	70.9	67.7
100 (316)C	66500	85000	96000	120000	148000	181000	219000	241000	264000	
P	11000	11100	11200	11200	11200	11300	11600	11800	12200	
A	16.8	17.1	17.2	17.3	17.4	17.5	17.8	18	18.3	
M	885	1120	1240	1540	1870	2260	2710	2960	3230	
E	6.1	7.7	8.6	10.7	13.2	16	18.9	20.3	21.7	
%	57.9	63.4	66	70.6	73.6	74	70.9	67.9	63.8	
90 (273)C	71500	91000	102000	127000	157000	191000	231000	254000	278000	
P	9800	9900	9900	9900	10000	10200	10700	11100	11500	
A	15.5	15.8	15.9	16	16.1	16.3	16.7	17	17.3	
M	900	1130	1260	1550	1890	2280	2730	2980	3240	
E	7.3	9.2	10.3	12.8	15.7	18.7	21.6	22.9	24.1	
%	60.5	65.8	68.2	71.6	72.7	70.4	63.9	59.1	53.3	
80 (235)C	76500	97000	108000	134000	165000	201000	243000	266000	291000	
P	8750	8800	8800	8900	9050	9450	10200	10700	11300	
A	14.4	14.6	14.7	14.8	15	15.3	15.8	16.2	16.6	
M	915	1150	1280	1570	1900	2290	2740	2990	3250	
E	8.7	11	12.3	15.1	18.2	21.3	23.9	25	25.9	
%	62.8	67.5	69.2	70.9	69.3	63.4	53.3	46.8	39.6	

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 460 V

C:Capacity(Btu/hr), P:Power(Watts), A:Current(Amps), M:Mass Flow(lbs/hr), E:EER(Btu/Watt-hr), %:Isentropic Efficiency(%)