

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

ZP31K5E-PFV

HFC-410A
 COPELAND SCROLL®
 PFV 208/230-1-60

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)		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)
150 (611)	C							25000	28100	31300
	P							4130	4080	4030
	A							17.9	17.7	17.5
	M							433	482	535
	E							6.1	6.9	7.8
	%							57.1	60.3	63.1
140 (540)	C						22300	28200	31400	34800
	P						3650	3560	3520	3490
	A						15.9	15.5	15.3	15.2
	M						359	448	495	545
	E						6.1	7.9	8.9	10
	%						55.8	62.7	65.4	67.6
130 (475)	C					19500	25000	31100	34500	38100
	P					3230	3140	3070	3050	3030
	A					14.1	13.8	13.5	13.3	13.2
	M					295	372	459	505	555
	E					6	7.9	10.1	11.3	12.6
	%					54.1	61.6	67.3	69.3	70.7
125 (446)	C				15800	20700	26200	32500	35900	39600
	P				3100	3000	2920	2860	2840	2830
	A				13.5	13.2	12.8	12.6	12.5	12.4
	M				234	302	378	463	510	560
	E				5.1	6.9	9	11.4	12.7	14
	%				48.7	57.1	64.1	69.1	70.7	71.6
115 (390)	C			13400	17700	22800	28500	35100	38700	42500
	P			2740	2660	2590	2530	2490	2470	2460
	A			12	11.7	11.4	11.2	11	10.9	10.9
	M			189	246	312	387	471	515	565
	E			4.9	6.7	8.8	11.3	14.1	15.6	17.2
	%			46.4	55	62.5	68.2	71.5	72.1	71.9
105 (340)	C									
	P		13100	15000	19500	24700	30700	37500	41300	45200
	A		2380	2350	2290	2240	2200	2170	2160	2150
	M		10.6	10.4	10.2	10	9.8	9.7	9.6	9.6
	E		175	200	256	320	394	476	520	570
	%		5.5	6.4	8.5	11	14	17.3	19.1	21
	%		48.6	52.7	60.3	66.6	70.7	72.1	71.5	70
100 (316)	C	10300	13800	15800	20300	25600	31800	38700	42500	46600
	P	2260	2210	2180	2130	2090	2050	2030	2020	2010
	A	10.1	9.9	9.8	9.6	9.4	9.2	9.1	9.1	9
	M	137	180	205	260	324	396	478	525	570
	E	4.6	6.2	7.2	9.5	12.3	15.5	19.1	21.1	23.2
	%	43.6	51.7	55.5	62.6	68.1	71.3	71.5	70.3	68.2
90 (273)	C	11600	15200	17200	21900	27400	33700	40900	44900	49100
	P	1930	1900	1880	1850	1820	1790	1760	1750	1740
	A	8.7	8.6	8.5	8.4	8.3	8.2	8	8	7.9
	M	146	188	212	267	329	401	482	525	570
	E	6	8	9.1	11.8	15.1	18.9	23.3	25.7	28.2
	%	50	57.1	60.4	66	69.8	71	68.7	66	62.3
80 (235)	C	12800	16500	18600	23400	29100	35600	43100	47200	51500
	P	1660	1640	1630	1600	1570	1540	1510	1490	1480
	A	7.7	7.6	7.5	7.4	7.3	7.2	7	7	6.9
	M	153	195	218	272	334	405	485	530	575
	E	7.7	10	11.4	14.6	18.5	23.1	28.5	31.6	34.8
	%	55.6	61.5	64.1	68.1	70	68.7	63.5	59	53.2

Nominal Performance Values (±5%) based on 72 hours run-in. Subject to change without notice. Current @ 230 V

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