

RATING CONDITIONS

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

60 Hz Operation

AIR CONDITIONING

ZP24K5E-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							19100	21500	24100
	P							3170	3140	3110
	A							14	13.9	13.8
	M							330	369	410
	E							6	6.8	7.7
%							56.6	59.9	62.9	
140 (540)	C					17000	21600	24200	26900	
	P					2800	2750	2730	2700	
	A					12.4	12.2	12.1	12	
	M					274	343	381	420	
	E					6.1	7.9	8.9	10	
%					55.7	62.1	64.9	67.3		
130 (475)	C					15000	19200	24000	26600	29400
	P					2470	2440	2400	2370	2340
	A					10.9	10.8	10.6	10.5	10.3
	M					226	286	353	389	428
	E					6.1	7.9	10	11.2	12.6
%					54.4	61.1	66.4	68.7	70.5	
125 (446)	C				12100	15900	20200	25000	27700	30600
	P				2330	2310	2280	2240	2210	2180
	A				10.3	10.2	10.1	9.9	9.8	9.6
	M				179	232	291	357	393	431
	E				5.2	6.9	8.9	11.2	12.5	14
%				49.5	57.2	63.3	68.1	70	71.6	
115 (390)	C			10200	13700	17600	22000	27100	29800	32800
	P			2060	2040	2020	1990	1950	1920	1900
	A			9.1	9	8.9	8.8	8.6	8.5	8.3
	M			144	190	241	298	362	398	435
	E			5	6.7	8.7	11.1	13.9	15.5	17.3
%			47.1	55.4	61.9	66.9	70.3	71.5	72.2	
105 (340)	C		9890	11500	15100	19100	23700	28900	31800	35000
	P		1810	1800	1790	1770	1740	1700	1680	1650
	A		8	8	7.9	7.8	7.7	7.5	7.4	7.3
	M		133	154	198	248	303	367	401	439
	E		5.5	6.4	8.4	10.8	13.6	17	19	21.2
%		48.5	52.8	60	65.3	68.8	70.7	70.9	70.7	
100 (316)	C	7410	10500	12100	15700	19800	24400	29800	32800	36000
	P	1720	1700	1690	1670	1650	1630	1590	1570	1540
	A	7.6	7.5	7.5	7.4	7.3	7.2	7.1	6.9	6.8
	M	98	137	157	201	250	305	368	403	440
	E	4.3	6.2	7.2	9.4	12	15	18.7	20.9	23.4
%	41.2	51.2	55.2	61.7	66.4	69.1	70.1	69.8	68.9	
90 (273)	C	8420	11500	13200	16800	21100	25900	31600	34700	38100
	P	1500	1480	1480	1460	1450	1430	1390	1370	1340
	A	6.7	6.6	6.6	6.5	6.5	6.4	6.2	6.1	5.9
	M	106	143	163	205	253	308	371	406	444
	E	5.6	7.7	8.9	11.5	14.5	18.2	22.7	25.4	28.5
%	46.6	55.5	59	64.2	67.3	68.3	67	65.3	62.8	
80 (235)	C	9280	12400	14100	17900	22300	27400	33300	36600	40100
	P	1310	1300	1290	1280	1270	1240	1210	1190	1160
	A	5.8	5.8	5.8	5.7	5.7	5.6	5.5	5.4	5.2
	M	111	147	166	208	256	311	375	410	448
	E	7.1	9.6	10.9	14	17.6	22	27.5	30.8	34.7
%	50.7	58.6	61.5	65.3	66.7	65.4	61.2	57.7	53	

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(%)