

Rating Conditions

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

60 Hz Operation

**AIR
 CONDITIONING**

ZP42K5E-PFV

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

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

	-10.0 (36)	0.0 (48)	5.0 (55)	15.0 (70)	25.0 (87)	35.0 (107)	45.0 (130)	50.0 (143)	55.0 (156)
150.0 (613)									
C							34,200	38,000	42,100
P							5,420	5,370	5,310
A							24.4	24.1	23.9
M							592	654	719
E							6.3	7.1	8.0
%							59.6	62.4	64.9
140.0 (541)									
C						30,800	38,200	42,300	46,600
P						4,790	4,690	4,650	4,610
A						21.5	21.1	21.0	20.8
M						495	606	666	730
E						6.5	8.2	9.1	10.1
%						59.0	64.5	66.8	68.6
130.0 (477)									
C					27,400	34,200	42,000	46,300	50,900
P					4,210	4,140	4,070	4,040	4,010
A					18.9	18.6	18.4	18.3	18.2
M					414	509	618	677	740
E					6.5	8.3	10.3	11.5	12.7
%					58.4	64.2	68.6	70.2	71.4
125.0 (447)									
C				22,700	28,800	35,800	43,800	48,200	52,900
P				3,990	3,920	3,860	3,800	3,770	3,740
A				17.9	17.6	17.3	17.2	17.1	17.0
M				336	420	515	623	682	745
E				5.7	7.4	9.3	11.5	12.8	14.2
%				54.5	61.1	66.4	70.2	71.5	72.3
115.0 (391)									
C			19,550	25,000	31,400	38,700	47,200	51,900	56,900
P			3,500	3,450	3,400	3,360	3,310	3,290	3,260
A			15.7	15.4	15.3	15.1	15.0	14.9	14.8
M			276	348	431	524	632	691	754
E			5.6	7.3	9.2	11.6	14.3	15.8	17.5
%			53.2	60.0	65.6	69.8	72.3	72.8	72.8
105.0 (341)									
C		18,900	21,400	27,200	33,800	41,500	50,500	55,400	60,700
P		3,050	3,040	3,010	2,980	2,940	2,900	2,870	2,840
A		13.7	13.6	13.5	13.4	13.3	13.1	13.0	12.8
M		253	285	356	438	531	639	698	761
E		6.2	7.1	9.1	11.4	14.1	17.5	19.3	21.4
%		55.0	58.4	64.2	68.6	71.6	72.6	72.3	71.4
100.0 (318)									
C	15,100	19,700	22,300	28,100	34,900	42,900	52,000	57,100	62,600
P	2,870	2,850	2,840	2,820	2,790	2,750	2,710	2,670	2,640
A	12.9	12.8	12.7	12.6	12.5	12.4	12.2	12.0	11.8
M	200	257	289	359	440	534	642	701	765
E	5.3	6.9	7.9	10.0	12.5	15.6	19.3	21.4	23.8
%	50.3	57.3	60.4	65.7	69.5	71.8	72.0	71.3	69.8
90.0 (274)									
C	16,500	21,200	23,800	29,900	37,100	45,400	55,100	60,500	66,300
P	2,510	2,500	2,500	2,480	2,460	2,410	2,350	2,310	2,260
A	11.3	11.2	11.2	11.2	11.1	10.9	10.5	10.2	9.9
M	207	262	293	363	444	539	647	707	771
E	6.6	8.5	9.6	12.1	15.1	18.8	23.5	26.2	29.3
%	54.7	60.6	63.1	67.3	70.0	70.8	69.3	67.5	64.8
80.0 (236)									
C	17,600	22,400	25,200	31,500	39,000	47,800	58,100	63,800	69,900
P	2,220	2,220	2,220	2,200	2,160	2,100	2,010	1,955	1,890
A	10.1	10.1	10.1	10.0	9.8	9.4	8.7	8.3	7.8
M	211	265	296	365	447	542	652	712	777
E	7.9	10.1	11.4	14.4	18.1	22.8	28.9	32.7	37.0
%	57.3	62.0	64.0	67.1	68.6	68.0	64.4	61.1	56.5

C: Capacity (Btu/hr), P: Power (W), A: Current (Amps), M: Mass Flow (lb/hr), E: EER (Btu/Wh), %: Isentropic Efficiency (%)

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