

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

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							34200	38000	42100
	P							5420	5370	5310
	A							24.35	24.1	23.9
	M							591	653	718
	E %							6.3	7.1	8
140 (540)	C						30800	38200	42300	46600
	P						4790	4690	4650	4610
	A						21.5	21.1	20.95	20.8
	M						495	606	666	730
	E %						6.5	8.2	9.1	10.1
130 (475)	C					27400	34200	42000	46300	50900
	P					4210	4140	4070	4040	4010
	A					18.9	18.55	18.35	18.25	18.15
	M					413	509	618	678	741
	E %					6.5	8.3	10.3	11.4	12.7
125 (446)	C				22700	28800	35800	43800	48200	52900
	P				3990	3920	3860	3800	3770	3740
	A				17.9	17.55	17.3	17.15	17.05	17
	M				335	420	515	623	683	746
	E %				5.7	7.3	9.3	11.5	12.8	14.2
115 (390)	C			19550	25000	31400	38700	47200	51900	56900
	P			3500	3450	3400	3360	3310	3290	3260
	A			15.7	15.4	15.25	15.1	14.95	14.9	14.8
	M			276	348	431	525	632	691	754
	E %			5.6	7.3	9.2	11.6	14.3	15.8	17.4
105 (340)	C									
	P		18900	21400	27200	33800	41500	50500	55400	60700
	A		3050	3040	3010	2980	2940	2900	2870	2840
	M		13.65	13.55	13.45	13.35	13.25	13.05	12.95	12.8
	E %		254	286	357	438	532	639	699	762
100 (316)	C	15100	19700	22300	28100	34900	42900	52000	57100	62600
	P	2870	2850	2840	2820	2790	2750	2710	2670	2640
	A	12.9	12.75	12.65	12.6	12.5	12.4	12.2	12	11.8
	M	200	258	290	360	441	535	642	702	766
	E %	5.3	6.9	7.8	10	12.5	15.6	19.3	21.4	23.8
90 (273)	C	16500	21200	23800	29900	37100	45400	55100	60500	66300
	P	2510	2500	2500	2480	2460	2410	2350	2310	2260
	A	11.25	11.2	11.2	11.15	11.05	10.85	10.45	10.2	9.85
	M	207	264	295	365	446	539	648	709	773
	E %	6.5	8.4	9.6	12.1	15.1	18.8	23.4	26.2	29.3
80 (235)	C	17600	22400	25200	31500	39000	47800	58100	63800	69900
	P	2220	2220	2220	2200	2160	2100	2010	1955	1890
	A	10.05	10.05	10.05	9.95	9.75	9.35	8.7	8.3	7.8
	M	210	265	297	366	448	543	654	715	781
	E %	7.9	10.1	11.3	14.3	18.1	22.8	28.9	32.6	37

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(%)